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Phase I Remedial Investigation Report of IR Program Site 16

Volume III: Appendixes Q through S

Naval Construction Battalion Center Davisville North Kingstown, Rhode Island

Contract No. N62472-92-D-1296
Task Order No. 0097

Prepared for

Department of the Navy
Engineering Field Activity Northeast
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Appendix Q

Screening Level Ecological Risk Assessment

Screening Level Ecological Risk Assessment at IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Training Area)

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ACRONYMS AND ABBREVIATIONS

AUF	Area Use Factor
AWQC	Ambient Water Quality Criteria
BAF	Bio-accumulation Factor
BCT	Base Closure Team
bw	Body weight
COPC	Constituents of Potential Concern
CSM	Conceptual site model
EFANE	Engineering Field Activity Northeast
Ff	Food ingestion rate
Ha	Hectare
HQ	Hazard Quotient
kg	Kilogram(s)
mg	Milligram(s)
NCBC	Naval Construction Battalion Center
NOAEL	No-Observed-Adverse-Effects-Level
PAH	Polycyclic aromatic hydrocarbons
RIDEM	Rhode Island Department of Environmental Management
ROC	Receptor of Concern
SLERA	Screening Level Ecological Risk Assessment
SMDP	Scientific Management Decision Point
TRV	Toxicity Reference Value
U.S. EPA	U.S. Environmental Protection Agency

1. INTRODUCTION

EA Engineering, Science, and Technology has been retained by the U.S. Navy Engineering Field Activity Northeast (EFANE) to provide risk assessment services for the former Naval Construction Battalion Center (NCBC) Davisville facility in North Kingstown, Rhode Island. This report presents the Screening Level Ecological Risk Assessment (SLERA) for the Phase I Remedial Investigation (RI) for Installation Restoration (IR) Program Site 16 (Site 16).

The purpose of the SLERA is to determine if, under expected exposure conditions, chemicals detected in soil, seep sediment, and seep water samples collected from Site 16 are at concentrations that may cause unacceptable risk to organisms using the area.

The key guidance followed in this SLERA are the *Navy Policy for Conducting Ecological Risk Assessment* (U.S. Department of the Navy 1999) and *Ecological Risk Assessment Guidance for Superfund* (U.S. Environmental Protection Agency [U.S. EPA] 1997). These two approaches are very similar in that they are based on a tiered, step-wise protocol. Assessment methodologies are described in the Final *Work Plan, Remedial Investigation of IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Training Area), Naval Construction Battalion Center, North Kingston, RI* (EA 2000). Some tables and figures in this SLERA were incorporated directly from the Work Plan.

Tier 1 of the SLERA consists of two components:

(1) Problem formulation and ecological effects evaluation (Step 1)
(2) Exposure estimate and risk characterization (Step 2).

Navy policy adds a refinement, termed Tier 2, Step 3a, of the conservative exposure assumptions used in Tier 1, that leads to an exit criteria evaluation. The Navy procedure is shown in Figure 1. In this SLERA, Step 3a is implemented in the form of a refined food-web model.

U.S. EPA (1997) guidance includes progress reviews at various points in the conduct of Superfund ecological risk assessments. These are termed Scientific Management Decision Points (SMDPs) and involve discussion between risk assessment and risk management teams to approve or redirect the assessment. At the NCBC, the risk assessment and management teams are incorporated under the purview of the Base Closure Team (BCT), which includes U.S. EPA, Rhode Island Department of Environmental Management (RIDEM), Navy representatives, and other stakeholders. Submission of this draft SLERA to the BCT represents initiation of the first SMDP.

1.1 PROBLEM FORMULATION AND ECOLOGICAL EFFECTS EVALUATION

Problem formulation represents the scoping stage of the SLERA, and consists of the following elements:

- Environmental setting of the site
- Identification of receptors of concern
- Development of a conceptual site model (CSM)
- Assignment of assessment and measurement endpoints.

1.1.1 Environmental Setting of Site 16

Site 16 is located adjacent to Allen Harbor in the eastern portion of NCBC Davisville (Figures 2 and 3). The Site was the location of a former creosote dip tank area where, during the 1960s, wood piles were dipped into tanks containing creosote and staged in the area to dry. In addition, a former fire fighting training area was reportedly located at the Site. In such an area, temporary structures were doused with flammable materials, ignited, and fire fighters then put these fires out. Such an operation could have released chemicals to the soil and ground water under Site 16. Currently the land is not used, and consists of the remnants of these former activities. Future land use plans include commercial/industrial development.

A site visit was conducted on 7 October 1999 to identify potential complete exposure pathways that may exist on Site 16, and to characterize the environmental setting with respect to habitat. Site visit participants included biologists Charles Leasure and Stella Kiras from EA Engineering, Science, and Technology, and Nancy Kunzelman of the U.S. Navy EFANE. Approximately 98 percent of the Site 16 shoreline abutting Allen Harbor is highly modified where large boulders had been placed for shoreline stabilization. Non-hydric plants and soil dominated this rip rap area, and site-visit participants agreed that the area lacked wetland characteristics. However, per the designation of open water as wetland in RIDEM (and federal) regulations, there is a wetland (Allen Harbor) located adjacent to the Site. A very small area of *Spartina alterniflora* marsh existed in the northeast portion of the Site abutting Allen Harbor. The majority of the Site contained upland habitat with a vegetative cover of bushes and small trees with localized areas of asphalt paving. The majority of the Site provides good habitat for several terrestrial plant, mammal, and bird species. Autumn olive (*Elaeagnus umbellata L.*), multiflora rose (*Rosa multiflora*), Northern bayberry (*Myrica pennsylvanica*), Eastern red cedar (*Juniperus virginiana L.*), and Asiatic bittersweet (*Celastrus orbiculatus*) were common vegetative species. The areas of dense vegetation would provide good cover and food for white-tailed deer (*Odocoileus virginianus*) and Eastern cottontail (*Syvilagus floridanus*). Wildlife observations made while onsite included: Eastern cottontail, Northern mockingbird (*Mimus polyglottos*), Northern cardinal (*Cardinalis cardinalis*), house finch (*Carpodacus mexicanus*), mute swan (*Cygnus olor*), bank swallow (*Riparia riparia*), Canada goose (*Branta canadensis*), glaucous gull (*Larus hyperboreus*), and great black-backed gull (*Larus marinus*).

No rare or endangered species were identified during the site visit and examination. Upon request from the Navy, the RIDEM Natural Heritage Program reviewed their statewide database and reported that "...there are no rare or endangered species or exemplary natural communities within Site #16" (see Attachment A, letter from R. Enser dated 1 April 2002).

1.1.2 Identification of Receptors of Concern

Ecological Receptors of Concern (ROCs) are species or guilds of species that are important to the ecology of the study area and that may be susceptible to chemical constituents detected at the Site. Based on observations made during the site visit, and potential contaminant pathways identified and incorporated into the CSM (Subsection 1.1.3), the following ROCs and associated exposure pathways were identified:

- Marine invertebrates and fish—direct contact with seep water and/or seep sediment
- Terrestrial plants and invertebrates—uptake and/or direct contact with surface soil
- Omnivorous birds (American robin)—dietary ingestion of contaminated food items and incidental soil
- Herbivorous mammals (Eastern cottontail)—dietary ingestion of contaminated food items and incidental soil

  Carnivorous mammals (red fox)—dietary ingestion of contaminated food items and incidental soil.

1.1.3 Conceptual Site Model

The CSM for the Site 16 SLERA is illustrated in Figure 4. The model incorporates key elements of problem formulation including contaminant sources, fate and transport, exposure pathways, and exposure mechanisms. For most receptors, the primary exposure is via surface soil, either by direct contact or via dietary routes. Potential risk to marine fish and plankton is evaluated by screening against seep water concentrations; i.e., a direct contact route. This is highly conservative since dilution in Allen Harbor water is not considered. Potential risk to marine invertebrates, or benthos, is evaluated relative to chemical concentrations in sediment.

1.1.4 Assessment and Measurement Endpoints

U.S. EPA (1997) guidance states that assessment endpoints—defined as "an explicit expression of the environmental value that is to be protected"—must be selected in an ecological risk assessment. Testable hypotheses and measurement endpoints are developed to evaluate threats to the assessment endpoints. Assessment endpoints and testable hypotheses were developed for the Site 16 SLERA (Table 1). The assessment endpoints identified cover a broad range of trophic levels from terrestrial plants and invertebrates to marine fish and plankton to birds and mammals. Measurement endpoints involve screening of media concentrations for the lower trophic levels, and food-web exposure assessment for the higher (bird and mammal) trophic levels.

1.2 ENVIRONMENTAL EXPOSURE ASSESSMENT AND RISK CHARACTERIZATION

Step 2 of the Tier 1 process consists of two components (U.S. Navy 1999; U.S. EPA 1997): (1) exposure assessment; and (2) risk characterization. In this SLERA, exposure is based on the maximum concentration of a chemical detected in any of the sampled media (surface soil, seep water, and seep sediment). Individual sample results are found in Tables 4-2 to 4-14 and 4-16 to 4-20 of the Phase I RI report. Risk characterization is based on calculation of the Hazard Quotient (HQ):

HQ = maximum site concentration/screening benchmark

If the site concentration is higher than the screening benchmark, the HQ is greater than 1.0, and potential risk is inferred. If the site concentration is lower than the screening benchmark, the HQ is less than 1.0, and no risk is inferred. As described in the next section, benchmarks are specific to the environmental medium, ROC, and pathway involved. For example, screening benchmarks for Site 16 seep water are National Ambient Water Quality Criteria (AWQC). In the case of food-web analysis, benchmarks are in the form of body-weight normalized doses referred to as Toxicity Reference Values (TRVs). To the fullest extent possible, all benchmarks are based on No-Observed-Adverse-Effects-Level (NOAEL) toxicological studies.

The initial step in exposure assessment and risk characterization is referred to as the Constituent of Potential Concern (COPC) screening.

1.2.1 COPC Screening Approach

In the Tier 1 process, the COPC screen serves two purposes. First, it serves as the risk calculation for lower trophic level terrestrial organisms (plants, invertebrates) and aquatic organisms. Second, the surface soil COPC screen not only identifies potential risk to plants and invertebrates, but the results are also used to identify chemicals that may pose risk to higher trophic level terrestrial organisms (mammals and birds). That is, any HQs exceeding 1.0 from the surface soil COPC screen are considered a potential threat to higher trophic organisms and are carried into the food-web analysis.

The screening benchmarks used in the COPC screening are listed in Table 2. This list has been updated from that provided in the Remedial Investigation Work Plan (EA 2000), as stated in the following sentences. Analytes not detected in an environmental medium at Site 16 were removed from the list. Also, at the request of U.S. EPA Region 1, several recent references were reviewed to replace some of the older benchmarks from the original list and to provide benchmarks previously listed in the Site 16 Work Plan as "no data." Wherever possible, the soil-screening benchmarks from Oak Ridge National Laboratory were used, either for plants (Efroymson et al. 1997a) or invertebrates or microbial processes (Efroymson et al. 1997b). Dutch values (RIVM 1994, 1997, 2000) were also commonly used, and other sources were employed as necessary (Table 2). If available, marine chronic AWQC were used to screen seep water. If AWQC were not available, the benchmark data of Buchman (1999) and Suter (1996) were used. The latter permitted filling some data gaps in the original list, but these are freshwater benchmarks and thus add some uncertainty to the screening process. Seep-sediment-screening benchmarks were primarily Effects Range Low (ERL) benchmarks from Long and Morgan (1990) and Long et al. (1995), with other sources used as necessary.

Note that essential nutrients (calcium, iron, magnesium, potassium, and sodium) were not screened in any medium. Also, aluminum was not screened in surface soil because all soil pH measurements were 5.5 or higher, following U.S. EPA (2000) recommendations.

1.2.2 COPC-Screening Results: Exposure and Risk Characterization for Lower Trophic Level Terrestrial Organisms and Aquatic Organisms

Surface Soil

Sampling locations are shown in Figure 3 and analytical results are illustrated in Table 3. A total of 51 analytes were detected in surface soil samples. For a relative few of these analytes, HQs exceeded 1.0. These were designated as COPC. The COPC included four metals and eight polycyclic aromatic hydrocarbon (PAH) compounds. Although none of the HQs were very high (none approached 10.0), the conservative nature of the Tier 1 screening requires the presumption of potential risk to terrestrial plants and/or invertebrates. These results will be reviewed by the BCT in the SMDP process.

Note that no screening benchmarks were available for six organic constituents (dioxin/furan, carbazole, dibenzofuran, 2-butanone, acetone, and methylene chloride). Risk to terrestrial plants and invertebrates cannot be assessed in these cases, and this must be considered in the uncertainty assessment of the SLERA. (In terms of the soil-based COPC being used to trigger food-web analysis, analytes with no screening benchmarks were considered default COPC, and carried into the food-web evaluation.)

Seep Water

Water samples from the two ground-water seeps[1] at Site 16 adjacent to Allen Harbor (Figure 3) were screened against appropriate benchmarks (Table 4). This is a worst-case assessment, since the benchmarks are designed to protect fish and plankton, and these do not reside in the seeps. No dilution with Allen Harbor water is incorporated into this assessment. Three inorganic and four organic analytes were designated as COPC. Several HQs were relatively high, particularly for barium (71.4) and manganese (25.4). These HQs were based on freshwater benchmarks (Suter 1996), thus increasing uncertainty. Given the exceedance of screening benchmarks for several analytes in the undiluted seep water, a potential risk is inferred to fish and plankton in Allen Harbor.

Seep Sediment

The three sediment samples evaluated here were collected in association with the two seeps described above, and the drainage outfall pipe (OPW16-01, Figure 3). These locations receive drainage from the seeps and outfall pipe themselves, but also, due to tidal flushing, rain, or other factors, may be influenced from other areas of Site 16. For these reasons, sediment from below the drainage outfall pipe was included in this assessment (i.e., whereas outfall pipe water is not influenced by Site 16, sediment below the outfall could be). Fifty analytes were detected among these sediment samples, 27 of which produced HQs greater than 1.0 in the screen, and were therefore

[1] These samples do not include the drainage outfall pipe (OPW16-01, Figure 3) because its source is offsite (stormwater runoff from an adjacent parking lot), and unrelated to Site 16.

designated as COPC (Table 5). Several of these COPC had notably high HQs, including acenapthene (56.6), fluorene (30.5), dieldrin (85), and endrin ketone (80). Based on the number of COPC, and the magnitude of HQs for some of them, these sediment locations represent risk to marine benthic fauna. The extent to which these locations—all of which receive drainage from seeps or the outfall pipe—are representative of all shoreline sediment at Site 16 is unknown. Several analytes lacked screening values and these are also designated as COPC.

1.2.3 Conservative Food-Web Analysis

Approach

The Tier 1, Step 2 analysis incorporates a conservative food-web exposure and risk evaluation. Dietary doses of COPC are calculated and compared to TRVs to estimate risk to higher trophic level terrestrial mammals and birds. The ROCs chosen for food-web analysis at Site 16 are the herbivorous Eastern cottontail, omnivorous American robin, and carnivorous red fox. The conservative food web is so named because of key assumptions: (1) COPC concentration in food is assumed to be the same as in dry weight soil samples; (2) ROCs receive 100 percent of their diet from the Site (area use factor [AUF]=1.0); and (3) COPC are 100 percent bioavailable. These conservative assumptions protect against false negative conclusions; i.e., projecting no risk from a COPC when in fact there is risk, per U.S. EPA (1997) guidance.

Dietary exposures for ROCs have been estimated as body-weight-normalized daily doses for comparison to a body-weight-normalized daily dose TRV. The daily dose for a given receptor of a given COPC is determined by summing the products of feeding rate and food items and multiplying the sum by the total feeding rate and a habitat usage factor [assumed to be 100 percent (1.0) in this conservative food web]. Separate doses are presented for soil and food contributions, and these are summed to produce the total dose for each ROC. The model is described below.

$$Dose_{total} = Dose_{food} + Dose_{soil}$$

where:

$Dose_{total}$	=	Total daily dose of COPC received by receptor; milligrams (mg) COPC/kilogram (kg)-body wt/day
$Dose_{food}$	=	Daily dose of COPC received by receptor; mg COPC/kg-body wt/day from food items
$Dose_{soil}$	=	Daily dose of COPC received by receptor; mg COPC/kg-body wt/day from incidentally ingested soil

The total dose from food is given by:

$$Dose_{food} = F_f \, x \, U \, x \, C_f$$

where:

F_f	=	Total daily feeding rate in kg food/kg-body weight of ROC/day (wet basis)
U	=	Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for this food web
C_f	=	Concentration of COPC in food; assumed to be the same concentration as soil (mg chemical/kg food)

The total dose from incidental soil is given by:

$$Dose_{soil} = F_s \, x \, U \, x \, C_s$$

where:

F_s	=	Total daily incidental soil feeding rate in kg soil/kg-body weight of ROC/day (wet basis)
U	=	Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for this food web
C_s	=	Concentration of COPC in soil; mg chemical/kg soil (dry basis)

Lastly, the total daily incidental soil feeding rate is given by:

$$F_s = F_f \, x \, F_{xsoil}$$

where:

F_s	=	Total daily incidental soil feeding rate in kg soil/day (wet basis)
F_f	=	Total daily feeding rate in kg food/day (wet basis)
F_{xsoil}	=	Fraction incidental soil ingestion as a proportion of food ingestion rate

Note that F_{xsoil} is a fraction, consistent with the typical means of expressing incidental soil ingestion in literature sources as a percent of soil in diet (See Table 6).

Information necessary for calculation includes organism body weight (BW), food ingestion rate (F_f), fraction incidental soil ingestion as a proportion of food ingestion rate (F_{xsoil}), and analyte concentrations of ingested materials. As stated previously, vegetation and animal food items were represented by the same concentration as detected in soil samples (dry weight). Information specifically relevant to the ecology of the ROCs (i.e., body weights, food ingestion rates, and incidental soil ingestion rates) (Table 6) was obtained from published sources. The primary source used for these exposure parameters was the Exposure Factors Handbook (U.S. EPA 1993).

Risk characterization for the food-web analysis is calculated similarly to the media screening:

HQ = dietary dose of COPC/TRV

If the dietary dose is lower than the TRV, the HQ is less than 1.0 and no risk is inferred. If the dietary dose is higher than the TRV, the HQ is greater than 1.0, and some potential level of risk is inferred. The TRVs used are NOAEL-based dietary doses obtained from the U.S. Navy EFANE soil-screening database, which in turn were based largely on toxicological data from Oak Ridge National Laboratory (Sample et al. 1996). The TRVs used are listed in Table 7.

Example Food-Web Exposure and Risk Calculation

The example HQ calculation provided below estimates the potential for risk to the red fox exposed to surface soil containing a concentration of lead.

Assume a hypothetical maximum concentration of lead reported in surface soil (dry weight basis) was determined to be 40.9 mg/kg. The only food item for the red fox will be soil.

The following equation provides the dose to the receptor from food ingestion:

$$Dose_{food} = \frac{F_f \, x \, U \, x \, C_f}{BW}$$

= (0.320 kg/day x 1.0 x 40.9 mg/kg)/5.0 kg

= 2.6176 mg/kg-bw/day

where:

F_f	=	Total daily feeding rate in kg food/day (wet basis) (Table 6)
U	=	Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for this food web
C_f	=	Concentration of COPC in soil
BW	=	Body weight of ROC (kg) (Table 6)

The dose from incidental soil ingestion is calculated using:

$$Dose_{soil} = \frac{F_s \, x \, U \, x \, C_s}{BW}$$

= (0.0090 kg/day x 1.0 x 40.9 mg/kg)/5.0 kg

= 0.0736 mg/kg-bw/day

where:

F_s	=	Total daily soil feeding rate in kg soil/day (wet basis) (Table 6)

U	=	Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for this food web
C_s	=	Concentration of COPC in soil; mg chemical/kg soil (dry basis)
BW	=	Body weight of ROC (kg) (Table 6)

The final dose is calculated as follows:

$$Dose_{total} = Dose_{soil} + Dose_{food}$$

$$Dose_{total} = 0.0736 + 2.6176$$

$$Dose_{total} = 2.69 \text{ mg/kg-bw/day}$$

The hazard quotient is calculated from the dose and the NOAEL-based TRV (Table 7) as follows:

$$HQ = \frac{DOSE}{TRV_{NOAEL}}$$

$$HQ = \frac{2.69\ mg/kg/day}{4.22\ mg/kg/day}$$

$$HQ = 0.6377$$

Site 16 Conservative Food Web Results

The results of the conservative food-web analysis are displayed in Tables 8, 9, and 10 for the Eastern cottontail, red fox, and American robin, respectively. In each case, several HQs exceeded 1.0, and thus reflect potential risk. The cottontail had 10 HQs greater than 1.0, but most were relatively low. Only the dioxin toxicity equivalent HQ exceeded 10. The fox reflected fewer HQs greater than 1.0, most relatively low. Only the dioxin toxicity equivalent HQ exceeded 2.0. For the robin, only five HQs could be calculated, because of a lack of avian TRV data for PAH and other organic compounds. Robin HQs for several metals were higher than those of the other ROCs (Table 10). This is likely due to the high food ingestion rate of the robin (greater than 100 percent of its body weight per day) and relatively high incidental soil ingestion rate (10 percent of food ingestion rate).

In many SLERAs, the conservative food-web results are the sole estimates of risk to higher trophic level ROCs. These are the results that are carried into the SMDP for discussion between risk assessors and managers. However, U.S. Navy policy for ecological risk assessment (U.S. Navy 1999) affords the opportunity to refine the food-web risk characterization using more realistic assumptions. This is termed Tier 2 Step 3a in Navy guidance (Figure 1), and is implemented in the following section for Site 16.

1.2.4 Step 3a Refined Food-Web Analysis

The refined food web is based on the same model described in the last section, but differs in three important aspects:

1. Realistic Area Use Factors (AUF) are employed to provide a more realistic estimate of the amount of time an ROC may spend foraging on Site 16. In this assessment, only the AUF for the red fox differs from the conservative model. The fox's home range is considerably larger than Site 16, whereas the home ranges of the cottontail and robin are smaller than Site 16.

2. COPC concentrations in food items and incidental soil were converted to a wet weight basis to reflect conditions in the natural environment, as recommended by U.S. EPA (1993).

3. Where available, Bio-accumulation factors (BAFs) were employed to estimate COPC concentrations in food items (Table 11). Many chemicals are found in much lower concentrations in food items relative to soil; use of BAFs provides a more realistic exposure (dose) calculation. When BAFs were not available, the default value of 1.0 was used.

The results of the refined food-web analysis are displayed in Tables 12, 13, and 14 for the Eastern cottontail, red fox, and American robin, respectively. The impact of the Step 3a refinements is immediately obvious—there has been a substantial reduction in the magnitude of HQs and the number exceeding 1.0. No suggestion of risk remains for the cottontail or red fox. The refinements, and in particular the AUF of 0.006 for the fox (Table 6), have reduced HQs to very low levels. Robin HQs for chromium, lead, zinc, and dioxin toxicity equivalent remain greater than 1.0 in the refined assessment, but have been reduced by about 50 to 80 percent, depending on analyte.

Overall, the perception of risk to terrestrial birds and mammals reflected in the conservative food web has been reduced to a *de minimus* level by the Step 3a refinement.

1.2.5 Uncertainty

Ecological risk characterization includes analysis of uncertainty (U.S. EPA 1997). Uncertainty is distinguished from variability, and arises from lack of knowledge about factors associated with the study. In a screening-level assessment such as this one, uncertainty typically stems from two study facets: the sampling plan and the toxicological data. Sources of uncertainty can include the process of selecting COPCs, assumptions made in establishing the CSM, adequacy of ecological characterization of the Site, estimates of toxicity to receptors, and selection of model parameters. There are a number of factors that contribute to uncertainty in the ecological risk characterization for Site 16, as described below.

- Environmental media are typically sampled in a non-random fashion; that is, sampling points are chosen to best characterize known or suspected areas of contamination. Peripheral and nearby areas are undersampled, if at all, and thus the average exposure of ecological receptors is biased high. This is particularly true of the use of seep water and sediment samples to represent broader open water and sediment environments in Allen Harbor within which two marinas are also located.

- A Tier 1 ERA (SLERA) uses the maximum measured concentration to estimate risks consistent with guidance, which represents a high bias in exposure to ROCs.

- Toxicological data used in the risk characterization represent significant uncertainty. Because there may be no known data on the effects of chemical constituents on specific ROCs, some chemicals are not screened at all, or toxicological data for surrogate species are sometimes used, and this adds uncertainty.

- Food-item concentrations were overestimated in the conservative food web. The extremely conservative assumption was made that all food (vegetation, soil invertebrates, etc.) was at the same concentration as the dry-weight soil maximum, and 100 percent bioavailable. The resulting high uncertainty was greatly reduced in the refined food web. However, some uncertainty remains due to the use of literature-based BAFs or conservative default values in lieu of onsite tissue concentrations.

- The toxicological data that underpin the screening values are inherently uncertain because laboratory data are extrapolated to specific field sites such as Site 16. This uncertainty is to some extent controlled by choosing the lowest available screening values, consistent with U.S. EPA (1997) guidance to "be consistently conservative in selecting literature values..." This also contributes to overestimation of risk.

- The use of ERL sediment screening benchmarks is a source of uncertainty. Long et al. (1995) defined ERLs as thresholds below which adverse effects would be rare. Concentrations greater than the ERLs, but less than the Effects Range-Median (ERM) values, define a range wherein effects would be occasionally observed. Concentrations at or above the ERMs could result in frequent effects. Of 17 analytes screened against ERLs in Table 5, 12 resulted in HQs greater than 1.0 and designation as sediment COPC. To provide additional perspective, the analytes were screened against ERMs in Attachment B. Only three analytes—nickel, acenaphthene and fluorene—exceeded ERMs. The sediment concentrations of nine analytes fell between ERLs and ERMs. The definition of "occasional effects" in this range connotes substantial uncertainty.

Although the direction of bias of some uncertainties is unknown, the overriding influence of the non-random media sampling and assumptions of 100 percent bioavailability assures that risks are overestimated for lower trophic level terrestrial organisms, aquatic organisms, and terrestrial

birds and mammals in the conservative food web. Uncertainty surrounding risks to terrestrial birds and mammals was greatly reduced by the refined food web. Some uncertainty remains, however, associated with literature-based BAFs and toxicological data.

1.3 SUMMARY OF SITE 16 SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT

The results of the various screening assessments and food-web evaluations presented above are compiled and summarized in Table 15. This was done to create a context where potential risk from all environmental media to all receptors can be evaluated at the same time.

Exposure to contaminants detected in surface soil reflects some potential risk to terrestrial plants and invertebrates and, based on the conservative food web, to terrestrial mammals and birds. There are a number of HQs>1 for terrestrial plants and invertebrates; none is very high, suggesting a low potential for risk to these receptors. Soil-based risks to terrestrial mammals and birds, potentially significant based on the conservative food web, virtually disappeared with the application of the refined food web.

The screening assessments in the aquatic environment indicated the potential for risk to fish and plankton in Allen Harbor from seep water and to benthos from seep sediment. Relatively few HQs in seep water exceeded 1.0, but barium and manganese were relatively high. There is a substantial high-bias uncertainty in this assessment because the target ROCs, fish and plankton in Allen Harbor, would not encounter such concentrations once the seep water entered and was diluted within Allen Harbor. The seep sediment results represent potential risk to marine invertebrates in the benthic community, particularly from manganese and several PAH and pesticide compounds. It has not been determined whether the seep sediment areas represent localized concentrations of COPC, or whether the data reflect general sediment conditions throughout the Site 16 shoreline area.

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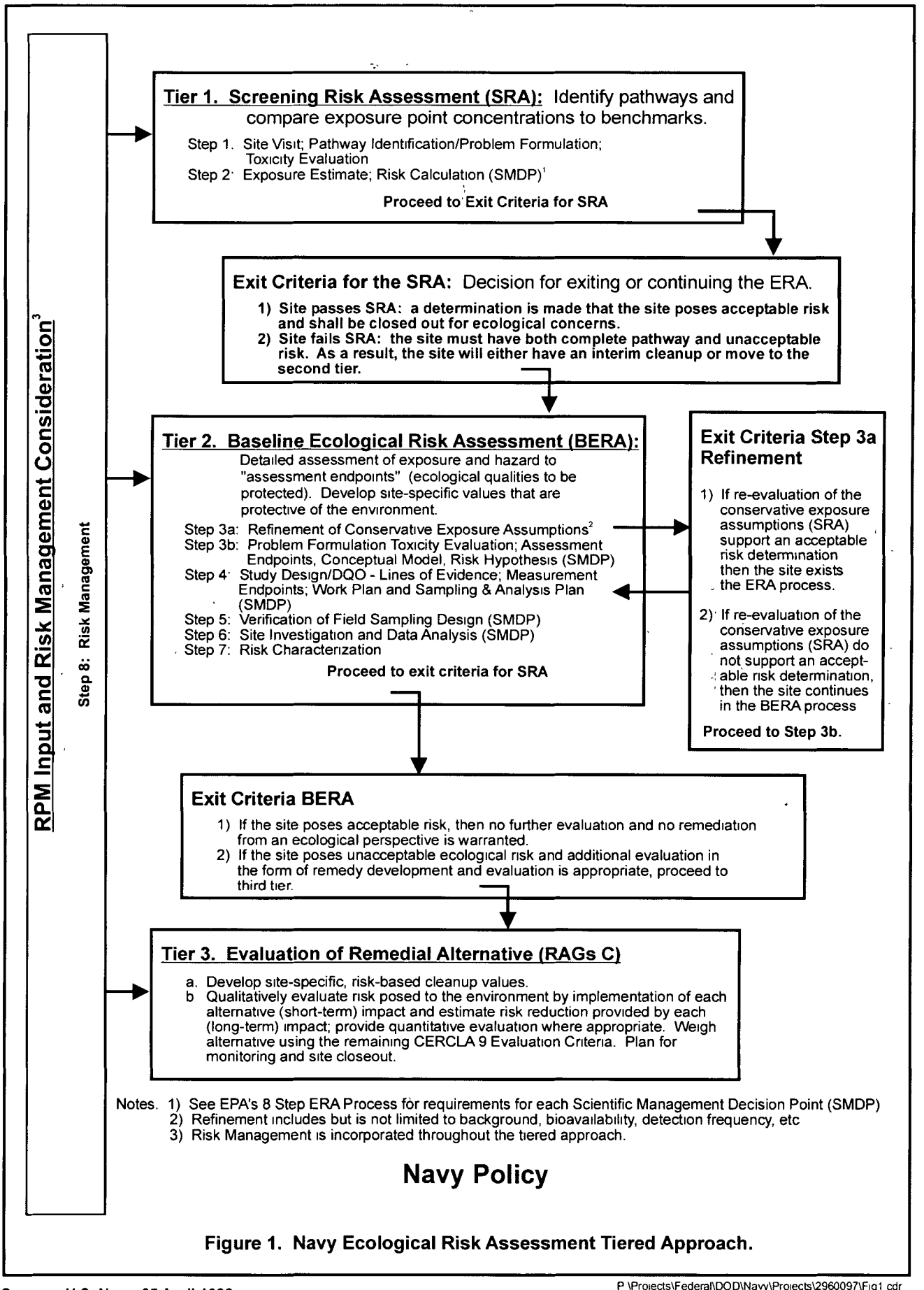

Figure 1. Navy Ecological Risk Assessment Tiered Approach.

Source: U.S. Navy, 05 April 1999.

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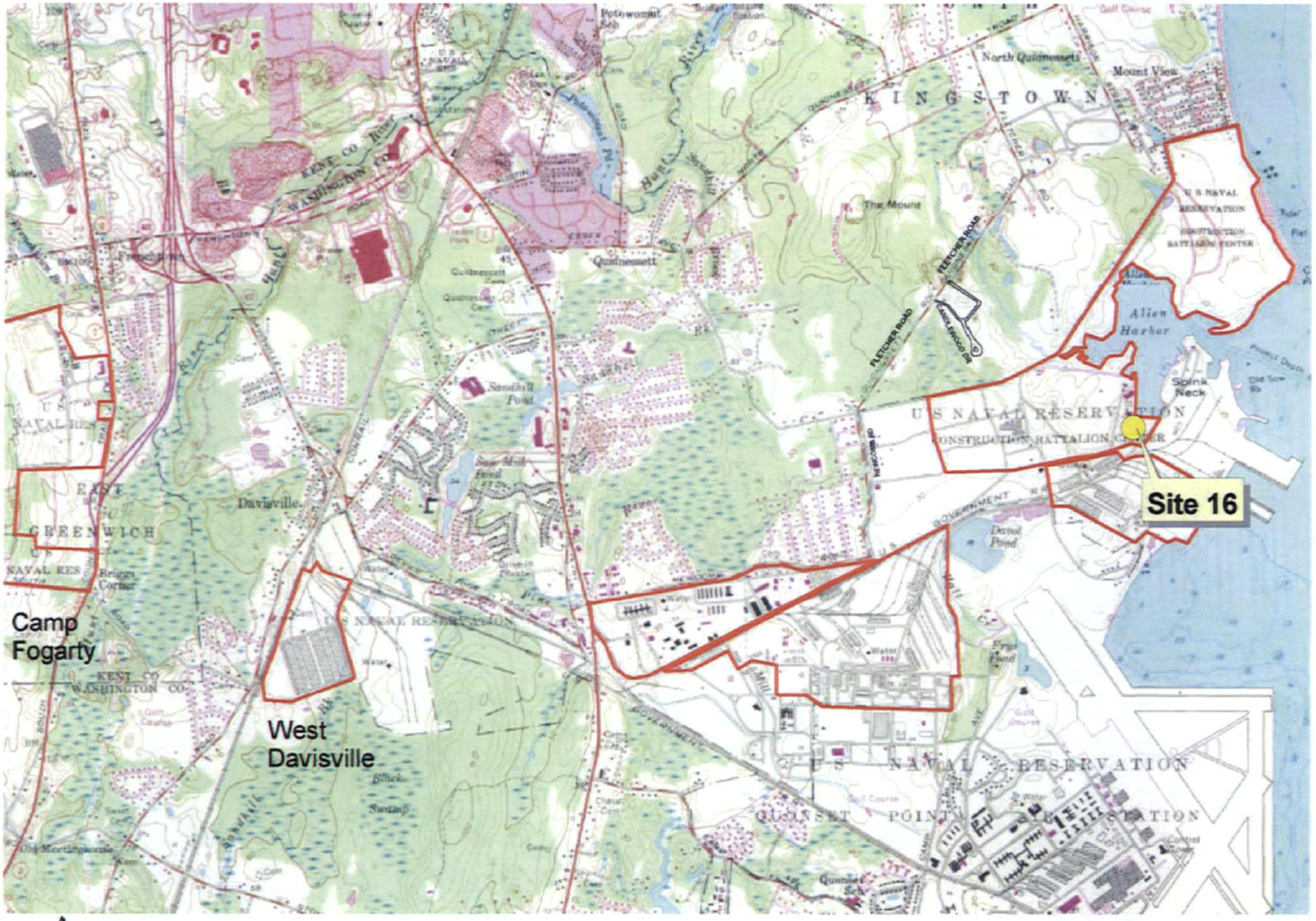

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Approximate Scale 1" = 3000 ft.

FIGURE 2
SITE LOCUS MAP - NCBC DAVISVILLE, RI

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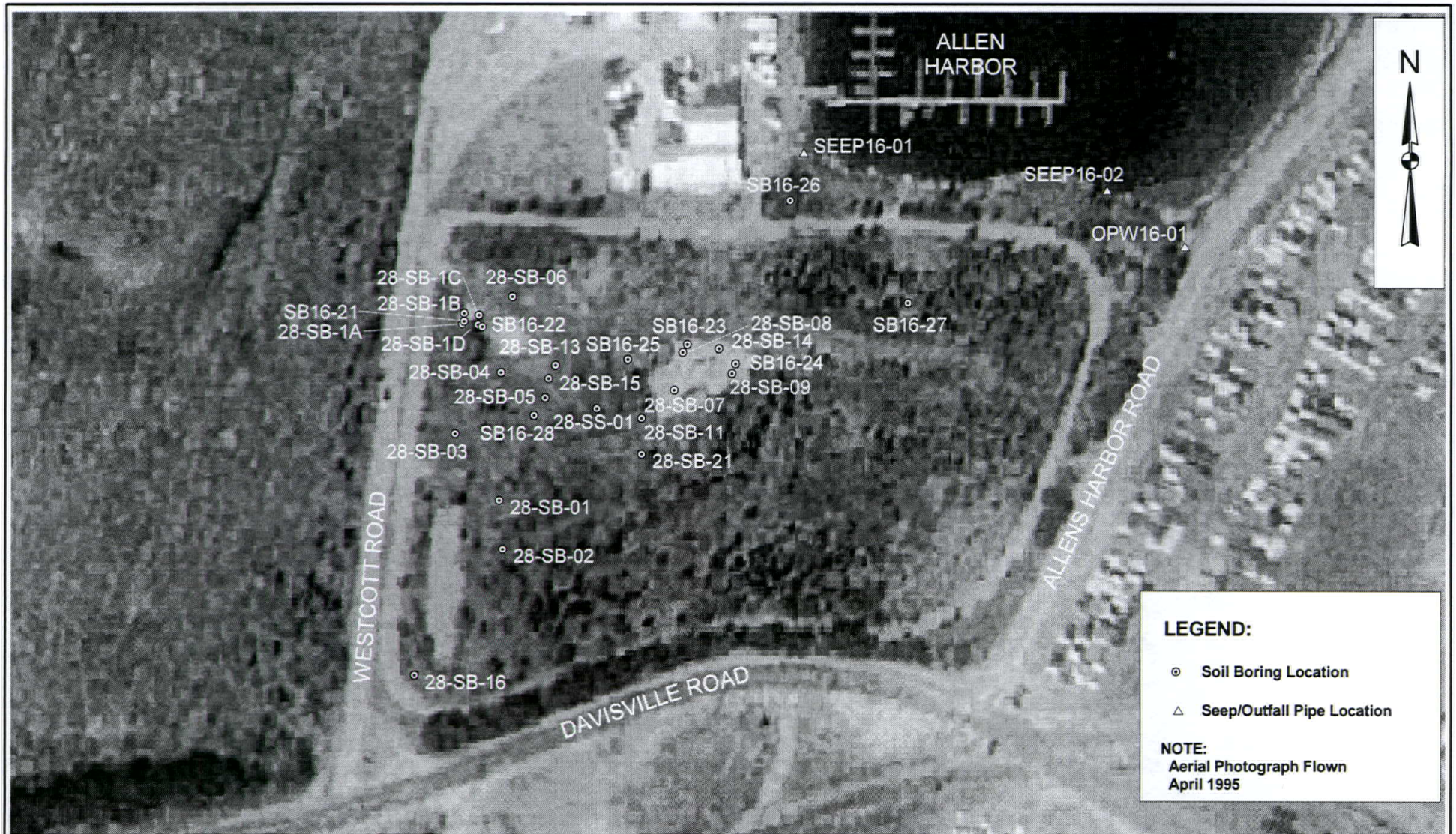

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

100 0 100 Feet

EFANE
IR Program Site 16
Screening Level Ecological Risk Assessment
Former NCBC Davisville Facility
North Kingstown, Rhode Island

SITE MAP AND
SOIL AND SEEP WATER/SEDIMENT
SAMPLING LOCATIONS

FIGURE 3

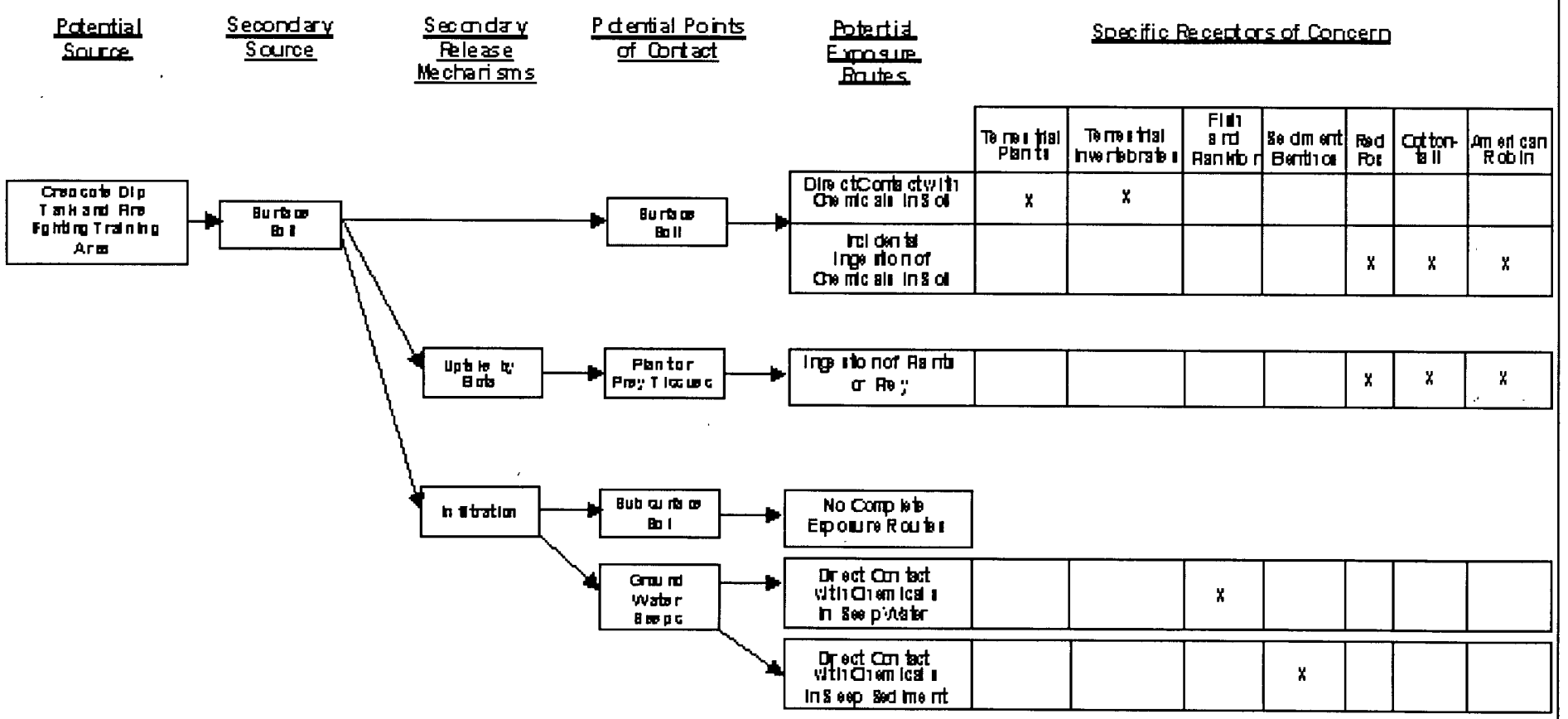

Figure 4. Ecological Risk Conceptual Site Model for Site 16, Naval Construction Battalion Center.

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TABLE 1 ASSESSMENT ENDPOINTS FOR ECOLOGICAL RISK SCREENING AND FOOD WEB MODELING

Assessment Endpoint	Null Hypothesis	Measurement Endpoint	Specifics of Assessment
Ecological health of terrestrial invertebrate and plant communities	Soils are not exhibiting a detrimental effect on invertebrate or plant survival and growth	• Evaluation of soil chemistry with respect to screening values	• Comparison of soil concentrations to screening values
Ecological health of marine fish and plankton communities	Seep water is not exhibiting a detrimental effect on survival, growth, or reproduction of fish and plankton	• Evaluation of seep water chemistry with respect to screening values	• Comparison of seep water concentrations to screening values
Ecological health of marine benthic organisms	Seep sediments are not exhibiting a detrimental effect on benthic organisms	• Evaluation of sediment chemistry with respect to NOAA screening values	• Comparison of sediment concentrations to NOAA ERLs or other appropriate benchmarks
Long-term health and reproductive capacity of omnivorous avian species (American robin)	Ingestion of COPC in prey does not have a negative impact on growth , survival , and reproductive success of the species	• Evaluation of dose in prey based on surface soils data and dietary exposure models	• The risk associated with the calculated dose will be evaluated by comparison toTRV
Long-term health and reproductive Capacity of herbivorous mammalian species (Eastern cottontail)	Ingestion of COPC in food does not have a negative impact on growth , survival , and reproductive success of the species	• Evaluation of dose in prey based on surface soils data and dietary exposure models	• The risk associated with the calculated dose will be evaluated by comparison to TRVs
Long-term health and reproductive capacity of primarily carnivorous mammalian species (red fox)	Ingestion of COPC in prey does not have a negative impact on growth , survival , and reproductive success of the species	• Evaluation of dose in prey based surface soil data and dietary exposure models	• The risk associated with the calculated dose will be evaluated by comparison to TRVs

NOTE: COPC = Constituents of Potential Concern.
ERL = Effects Range-Low.
NOAA = National Oceanic and Atmospheric Administration.
TRVs = Toxicity Reference Values.

TABLE 2 SOURCES OF SCREENING BENCHMARKS USED FOR SITE 16, NCBC DAVISVILLE

Analyte	Matrix	Benchmark (ppm)	Source of Screening Criteria
INORGANICS			
Aluminum	Surface Soil	NA[1]	U.S.EPA (2000)
Arsenic	Surface Soil	10	Efroymson et al. (1997a)
Barium	Surface Soil	500	Efroymson et al. (1997a)
Beryllium	Surface Soil	10	Efroymson et al. (1997a)
Cadmium	Surface Soil	1.6	RIVM 1997
Chromium	Surface Soil	10	Efroymson et al. (1997b)
Cobalt	Surface Soil	20	Efroymson et al. (1997a)
Copper	Surface Soil	40	RIVM (1997)
Lead	Surface Soil	50	Efroymson et al. (1997a)
Manganese	Surface Soil	500	Efroymson et al. (1997a)
Mercury	Surface Soil	2.2	RIVM (1997)
Nickel	Surface Soil	90	Efroymson et al. (1997b)
Selenium	Surface Soil	1	Efroymson et al. (1997a)
Silver	Surface Soil	50	Efroymson et al. (1997b)
Thallium	Surface Soil	1	Efroymson et al. (1997a)
Vanadium	Surface Soil	20	Efroymson et al. (1997b)
Zinc	Surface Soil	50	Efroymson et al. (1997a)
PAH			
Acenaphthene	Surface Soil	20	Efroymson et al. (1997a)
Acenaphthylene	Surface Soil	1	Quebec MOE (1988)
Anthracene	Surface Soil	10	Quebec MOE (1988)
Benzo(A)anthracene	Surface Soil	1	Quebec MOE (1988)
Benzo(A)pyrene	Surface Soil	1	Quebec MOE (1988)
Benzo(B)fluoranthene	Surface Soil	1	Quebec MOE (1988)
Benzo(G,H,I)perylene	Surface Soil	1	Quebec MOE (1988)
Benzo(K)fluoranthene	Surface Soil	1	Quebec MOE (1988)
Chrysene	Surface Soil	1	Quebec MOE (1988)
Dibenz(A,H)anthracene	Surface Soil	1	Quebec MOE (1988)
Fluoranthene	Surface Soil	1	Netherlands (in: Beyer 1990)
Fluorene	Surface Soil	30	Efroymson et al. (1997b)
Indeno(1,2,3-Cd)pyrene	Surface Soil	1	Quebec MOE (1988)
Naphthalene	Surface Soil	5	Quebec MOE (1988)
Phenanthrene	Surface Soil	5	Quebec MOE (1988)
Pyrene	Surface Soil	10	Quebec MOE (1988)
Pesticide/PCB			
4,4'-Ddt	Surface Soil	2	RIVM (1995)
Alpha-BHC	Surface Soil	0.5	Netherlands (in: Beyer 1990)
Alpha-chlordane	Surface Soil	0.5	Netherlands (in: Beyer 1990)
Aroclor-1260	Surface Soil	40	Efroymson et al. (1997a) applies to Total PCB
Gamma-Chlordane	Surface Soil	0.5	Netherlands (in: Beyer 1990)

Analyte	Matrix	Benchmark (ppm)	Source of Screening Criteria
DIOXIN/FURAN			
All Compounds	Surface Soil	No data	
SVOC			
2-Methylnaphthalene	Surface Soil	5	Based on naphthalene as a surrogate
Bis(2-Ethylhexyl)phthalate	Surface Soil	30.05	RIVM 1994, 2000
Carbazole	Surface Soil	No data	
Dibenzofuran	Surface Soil	No data	
Di-n-butyl phthalate	Surface Soil	200,000	Efroymson et al. (1997a)
VOC			
2-Butanone	Surface Soil	No data	
Acetone	Surface Soil	No data	
Methylene Chloride	Surface Soil	No data	
Toluene	Surface Soil	200	Efroymson et al. (1997a)
INORGANICS			
Barium	Seep Water	0.0038	Suter (1996)
Cobalt	Seep Water	0.00306	Suter (1996)
Manganese	Seep Water	0.0803	Suter (1996)
Mercury	Seep Water	0.00094	U.S. EPA (1999) marine chronic AWQC
Nickel	Seep Water	0.0082	U.S. EPA (1999) marine chronic AWQC
PAH			
Acenaphthene	Seep Water	710	Buchman (1999)
Acenaphthylene	Seep Water	0.03	Buchman (1999) marine acute value/10
Anthracene	Seep Water	0.03	Buchman (1999) marine acute value/10
Fluoranthene	Seep Water	0.016	Buchman (1999)
Fluorene	Seep Water	0.03	Buchman (1999) marine acute value/10
Naphthalene	Seep Water	235	Buchman (1999) marine acute value/10
Phenanthrene	Seep Water	0.0046	Buchman (1999)
Pyrene	Seep Water	0.03	Buchman (1999) marine acute value/10
PESTICIDE/PCB			
Alpha-Bhc	Seep Water	0.00244	Suter (1996)
Dieldrin	Seep Water	0.0000019	U.S. EPA (1999) marine chronic AWQC
Endrin	Seep Water	0.0000023	U.S. EPA (1999) marine chronic AWQC
Heptachlor Epoxide	Seep Water	0.0000036	U.S. EPA (1999) marine chronic AWQC
SVOC			
2-Methylnaphthalene	Seep Water	30	Buchman (1999) marine acute value/10
Dibenzofuran	Seep Water	0.0204	Suter (1996)
VOC			
1,2-Dichloroethene	Seep Water	22.4	Buchman (1999) marine acute value/10
Trichloroethene	Seep Water	0.2	Buchman (1999) marine acute value/10
Vinyl Chloride	Seep Water	0.0878	Suter (1996)

Analyte	Matrix	Benchmark (ppm)	Source of Screening Criteria
INORGANICS			
Aluminum	Sediment	18,000	Buchman (1999)
Antimony	Sediment	2	Long and Morgan (1990) (ERL)
Arsenic	Sediment	8.2	Long et al. (1995) (ERL)
Barium	Sediment	20	U.S. EPA (1977)
Beryllium	Sediment	10	Based on soil value
Cadmium	Sediment	1.2	Long et al. (1995) (ERL)
Chromium	Sediment	81	Long et al. (1995) (ERL)
Cobalt	Sediment	No data	
Copper	Sediment	34	Long et al. (1995) (ERL)
Lead	Sediment	46.7	Long et al. (1995) (ERL)
Manganese	Sediment	260	Buchman (1999)
Mercury	Sediment	0.15	Long et al. (1995) (ERL)
Nickel	Sediment	20.9	Long et al. (1995) (ERL)
Selenium	Sediment	1	New Jersey DEP (1987)
Vanadium	Sediment	No data	
Zinc	Sediment	150	Long et al. (1995) (ERL)
PAH			
Acenaphthene	Sediment	0.016	Long et al. (1995) (ERL)
Acenaphthylene	Sediment	0.044	Long et al. (1995) (ERL)
Benzo(A)anthracene	Sediment	0.261	Long et al. (1995) (ERL)
Benzo(A)pyrene	Sediment	0.43	Long et al. (1995) (ERL)
Benzo(B)fluoranthene	Sediment	no data	
Benzo(G,H,I)perylene	Sediment	0.17	Persaud et al. (1993)
Benzo(K)fluoranthene	Sediment	0.24	Persaud et al. (1993)
Chrysene	Sediment	0.384	Long et al. (1995) (ERL)
Fluoranthene	Sediment	0.6	Long et al. (1995) (ERL)
Fluorene	Sediment	0.019	Long et al. (1995) (ERL)
Indeno(1,2,3-Cd)pyrene	Sediment	0.2	Persaud et al. (1993)
Phenanthrene	Sediment	0.24	Long et al. (1995) (ERL)
Pyrene	Sediment	0.665	Long et al. (1995) (ERL)
PESTICIDE/PCB			
4,4'-DDD	Sediment	0.002	Long and Morgan (1990) (ERL)
4,4'-DDE	Sediment	0.0022	Long et al. (1995) (ERL)
4,4'-DDT	Sediment	0.001	Long and Morgan (1990) (ERL)
Aroclor-1260	Sediment	0.0227	Long and Morgan (1990) (ERL)
Delta-BHC	Sediment	0.003	Persaud et al. (1993)
Dieldrin	Sediment	0.00002	Long and Morgan (1990) (ERL)
Endosulfan Sulfate	Sediment	0.005481	Based on endosulfan
Endrin Ketone	Sediment	0.00002	Based on endrin ERL
Gamma-Chlordane	Sediment	0.0005	Long and Morgan (1990) (ERL)
Heptachlor	Sediment	0.0005	Buchman (1999) Based on chlordane ERL
Heptachlor Epoxide	Sediment	0.0005	Buchman (1999) Based on chlordane ERL

Analyte	Matrix	Benchmark (ppm)	Source of Screening Criteria
SVOC			
Bis(2-Ethylhexyl)Phthalate	Sediment	890	Jones et al. (1997)
Carbon Disulfide	Sediment	30	Partition: Koc=89; foc=.05; water critical=135 ppm divided by 20
Dibenzofuran	Sediment	0.42	Jones et al. (1997)
Di-n-Octyl Phthalate	Sediment	11	Jones et al. (1997) (di-n-butyl phalate as surrogate)
VOC			
Acetone	Sediment	0.0087	Jones et al. (1997)

[1]Aluminum not screened in surface soil because all soil pH measurements were 5.5 or greater, following U.S.EPA (2000).

NOTE: AWQC = Ambient water quality criteria.
ERL = Effects Range-Low
NCBC = Naval Construction Battalion Center
PAH = Polycyclic aromatic hydrocarbons.
PCB = Polychlorinated biphenyls.
Ppm = Parts per million.
SVOC = Semivolatile organic compounds.
U.S. EPA = U.S. Environmental Protection Agency
VOC = Volatile organic compounds.

TABLE 3 SITE 16 SURFACE SOIL COPC SCREEN

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
INORGANICS								
Aluminum	mg/kg	2,570	8,590	SB16-28-0-2	9/9	NA[2]	NA[2]	
Arsenic	mg/kg	ND	4	SB16-28-0-2	7/9	10	0.4	
Barium	mg/kg	14.8	40.6	SB16-26-0-2	9/9	500	0.1	
Beryllium	mg/kg	0.33	0.64	SB16-28-0-2	9/9	10	0.1	
Cadmium	mg/kg	ND	0.56	SB16-24-0-2	2/9	1.6	0.4	
Calcium	mg/kg	ND	1,200	SB16-23-0-2	8/9	EN	EN	
Chromium	mg/kg	2.9	11.6	SB16-28-0-2	9/9	10	1.2	**YES**
Cobalt	mg/kg	2	7.8	SB16-28-0-2	9/9	20	0.4	
Copper	mg/kg	8.2	40.2	SB16-23-0-2	9/9	40	1.0	**YES**
Iron	mg/kg	5,930	21,200	SB16-28-0-2	9/9	EN	EN	
Lead	mg/kg	13.45	98.4	SB16-24-0-2	9/9	50	2.0	**YES**
Magnesium	mg/kg	540	2,140	SB16-28-0-2	9/9	EN		
Manganese	mg/kg	84.4	248	SB16-28-0-2	9/9	500	0.5	
Mercury	mg/kg	ND	0.11	SB16-25-0-2	1/9	2.2	0.1	
Nickel	mg/kg	ND	11	SB16-28-0-2	6/9	90	0.1	
Potassium	mg/kg	ND	685	SB16-21-0-2	8/9	EN	EN	
Selenium	mg/kg	ND	0.88	SB16-28-0-2	1/9	1	0.9	
Silver	mg/kg	ND	0.32	SB16-25-0-2	1/9	50	0.0	
Sodium	mg/kg	ND	82	SB16-23-0-2	5/9	EN	EN	
Thallium	mg/kg	ND	0.65	SB16-27-0-2	1/9	1	0.7	
Vanadium	mg/kg	4.7	16.1	SB16-28-0-2	9/9	20	0.8	
Zinc	mg/kg	29.8	85.3	SB16-28-0-2	9/9	50	1.7	**YES**

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
PAH								
Acenaphthene	µg/kg	ND	2,400	28-SB-01B	6/29	20,000	0.1	
Acenaphthylene	µg/kg	ND	770	SB16-21-0-2	4/29	1,000	0.8	
Anthracene	µg/kg	ND	4,600	28-SB-01B	11/29	10,000	0.5	
Benzo(A)Anthracene	µg/kg	ND	4,450	SB16-21-0-2	18/29	1,000	4.5	**YES**
Benzo(A)Pyrene	µg/kg	ND	2,350	SB16-21-0-2	19/29	1,000	2.4	**YES**
Benzo(B)Fluoranthene	µg/kg	ND	7,400	SB16-21-0-2	21/29	1,000	7.4	**YES**
Benzo[G,H,I]Perylene	µg/kg	ND	1,050	SB16-21-0-2	17/29	1,000	1.1	**YES**
Benzo(K)Fluoranthene	µg/kg	ND	1,800	SB16-21-0-2	15/29	1,000	1.8	**YES**
Chrysene	µg/kg	ND	4,750	SB16-21-0-2	21/29	1,000	4.8	**YES**
Dibenzo(A,H)Anthracene	µg/kg	ND	750	SB16-21-0-2	10/29	1,000	0.8	
Fluoranthene	µg/kg	ND	4,305	SB16-21-0-2	20/29	1,000	4.3	**YES**
Fluorene	µg/kg	ND	592.5	SB16-21-0-2	6/29	30,000	0.0	
Indeno(1,2,3-Cd)Pyrene	µg/kg	ND	2,300	SB16-21-0-2	17/29	1,000	2.3	**YES**
Naphthalene	µg/kg	ND	557	SB16-21-0-2	3/29	5,000	0.1	
Phenanthrene	µg/kg	ND	920	SB16-28-0-2	17/29	5,000	0.2	
Pyrene	µg/kg	ND	6,400	SB16-21-0-2	21/29	10,000	0.6	
PESTICIDE/PCB								
4,4'-DDT	µg/kg	ND	3.7	SB16-26-0-2	1/8	2,000	0.0	
Alpha BHC	µg/kg	ND	2.4	SB16-28-0-2	1/8	500	0.0	
Gamma-Chlordane	µg/kg	ND	2.9	SB16-21-0-2	1/9	500	0.0	
Pcb-1260	µg/kg	ND	14	SB16-21-0-2	1/9	40,000	0.0	
DIOXIN/FURAN								
Dioxin Toxicity Equivalent[3]	ppth	2.60	45.21	SB16-25-0-2	8/8	NSV	NSV	**YES**
SVOC								
2-Methylnaphthalene	µg/kg	ND	558	SB16-21-0-2	2/25	5,000	0.1	
Bis(2-Ethylhexyl) Phthalate	µg/kg	ND	106	EBS-28-SB08-0-2	2/25	30,050	0.0	
Carbazole	µg/kg	ND	405	SB16-21-0-2	2/25	NSV	NSV	**YES**
Di-N-Butyl Phthalate	µg/kg	ND	56	EBS-28-SB05-0-2	6/25	200,000	0.0	

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
VOC								
2-Butanone	µg/kg	ND	12	SB16-27-0-2	3/26	NSV	NSV	**YES**
Acetone	µg/kg	ND	3,700	EBS-28-SB04-0-2	14/26	NSV	NSV	**YES**
Methylene Chloride	µg/kg	ND	4.5	EBS-28-SB07-0-2	3/26	NSV	NSV	**YES**
Toluene	µg/kg	ND	6	EBS-28-SB15-0-2	1/26	200,000	0.0	

[1]From Table 2.
[2]Aluminum not screened in surface soil because all soil pH measurements were 5.5 or greater, following EPA (2000).
[3]Based on World Health Organization (WHO) Toxic Equivalency Factors for mammals.

NOTE:
COPC = Constituent of Potential Concern.
EN = Essential nutrient (not screened).
HQ = Hazard Quotient.
mg/kg = Micrograms per kilogram.
ND = Not detected.
NSV = No screening value.
PAH = Polycyclic aromatic hydrocarbons.
PCB = Polychlorinated biphenyls.
ppth = Parts per thousand.
SVOC = Semivolatile organic compounds.
µg/kg = Micrograms per kilogram.
VOC = Volatile organic compounds.

TABLE 4 SITE 16 SEEP WATER COPC SCREEN

Analyte	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Maximum Location	Detection Frequency	Screening Value (µg/L)[1]	HQ	COPC
METALS							
Barium	1.8	271.5	SEEP16-01	2/2	3.8	71.4	**YES**
Calcium	25,700	47,950	SEEP16-01	2/2	EN	EN	
Cobalt	ND	9	SEEP16-02	1/2	3.06	2.9	**YES**
Iron	5,100	20,700	SEEP16-01	2/2	EN	EN	
Magnesium	4,820	26,200	SEEP16-02	2/2	EN	EN	
Manganese	445	2,040	SEEP16-02	2/2	80.3	25.4	**YES**
Mercury	ND	0.07	SEEP16-02	1/2	0.94	0.1	
Nickel	ND	2.1	SEEP16-02	1/2	8.2	0.3	
Potassium	3,575	10,500	SEEP16-02	2/2	EN	EN	
Sodium	13,300	176,000	SEEP16-02	2/2	EN	EN	
PAH							
Acenaphthene	ND	35.5	SEEP16-01	2/3	710	0.1	
Acenaphthylene	ND	0.2	SEEP16-01	1/3	30	0.0	
Anthracene	ND	1.5	SEEP16-01	1/3	30	0.1	
Fluoranthene	ND	4	28-SP-01	2/3	16	0.3	
Fluorene	ND	14.5	SEEP16-01	2/3	30	0.5	
Naphthalene	ND	4	SEEP16-01	2/3	235	0.0	
Phenanthrene	ND	7	28-SP-01	2/3	4.6	1.5	**YES**
Pyrene	ND	2	28-SP-01	2/3	30	0.1	
PESTICIDE/PCB							
Alpha Bhc	ND	0.0325	SEEP16-01	1/3	2.44	0.0	
Dieldrin	ND	0.02	28-SP-01	1/3	0.0019	10.5	**YES**
Endrin	ND	0.0039	28-SP-01	1/3	0.0023	1.7	**YES**
Heptachlor Epoxide	ND	0.02	28-SP-01	1/3	0.0036	5.6	**YES**

Analyte	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Maximum Location	Detection Frequency	Screening Value (µg/L)[1]	HQ	COPC
SVOC							
2-Methylnaphthalene	ND	0.95	SEEP16-01	1/3	30,000	0.0	
Dibenzofuran	8	11.5	SEEP16-01	2/2	20.4	0.6	
VOC							
Cis-1,2-Dichloroethene	ND	0.7	SEEP16-02	1/2	22,400	0.0	
Total 1,2-Dichloroethene	ND	0.7	SEEP16-02	1/3	22,400	0.0	
Trichloroethene	ND	0.7	SEEP16-02	1/3	200	0.0	
Vinyl Chloride	ND	0.45	SEEP16-01	1/3	87.8	0.0	

[1]From Table 2.

NOTE: COPC = Constituent of Potential Concern.
EN = Essential nutrient (not screened).
HQ = Hazard Quotient.
ND = Not detected.
PAH = Polycyclic aromatic hydrocarbons.
PCB = Polchlorinated biphenyls.
SVOC = Semivolatile organic compounds.
µg/L = Micrograms per Liter.
VOC = Volatile organic compounds.

TABLE 5 SITE 16 SEDIMENT COPC SCREEN

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
METALS								
Aluminum	mg/kg	2,370	5,670	SED16-02	3/3	18,000	0.3	
Antimony	mg/kg	0.5	1.35	SED16-01	3/3	2	0.7	
Arsenic	mg/kg	0.97	36.6	SED16-02	3/3	8.2	4.5	**YES**
Barium	mg/kg	23.5	110.1	SED16-01	3/3	20	5.5	**YES**
Beryllium	mg/kg	0.32	0.905	SED16-01	3/3	10	0.1	
Cadmium	mg/kg	ND	0.19	SED16-02	1/3	1.2	0.2	
Calcium	mg/kg	1,380	1,815	SED16-01	3/3	EN	EN	
Chromium	mg/kg	11.7	33.5	OPSED16-01	3/3	81	0.4	
Cobalt	mg/kg	2.4	37.9	SED16-02	3/3	NSV	NSV	**YES**
Copper	mg/kg	13.4	127	SED16-01	3/3	34	3.7	**YES**
Iron	mg/kg	6,400	63,350	SED16-01	3/3	EN	EN	
Lead	mg/kg	11.4	154	OPSED16-01	3/3	46.7	3.3	**YES**
Magnesium	mg/kg	994	2,020	SED16-02	3/3	EN	EN	
Manganese	mg/kg	89	788	SED16-02	3/3	260	3.0	**YES**
Mercury	mg/kg	ND	0.055	SED16-01	1/3	0.15	0.4	
Nickel	mg/kg	11.5	53.8	SED16-01	3/3	20.9	2.6	**YES**
Potassium	mg/kg	599	916	SED16-02	3/3	EN	EN	
Selenium	mg/kg	ND	1.3	SED16-01	1/3	1	1.3	**YES**
Sodium	mg/kg	ND	239.5	SED16-01	1/3	EN	EN	
Vanadium	mg/kg	15.45	22.9	SED16-02	3/3	NSV	NSV	**YES**
Zinc	mg/kg	50.5	346	SED16-01	3/3	150	2.3	**YES**

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
PAH								
Acenaphthene	µg/kg	ND	905	SED16-01	1/3	16	56.6	**YES**
Acenaphthylene	µg/kg	ND	110	OPSED16-01	1/3	44	2.5	**YES**
Benzo(A)Anthracene	µg/kg	20	200	OPSED16-01	3/3	261	0.8	
Benzo(A)Pyrene	µg/kg	ND	300	OPSED16-01	1/3	430	0.7	
Benzo(B)Fluoranthene	µg/kg	41	480	OPSED16-01	3/3	NSV	NSV	**YES**
Benzo(K)Fluoranthene	µg/kg	ND	340	OPSED16-01	1/3	240	1.4	**YES**
Benzo[G,H,I]Perylene	µg/kg	ND	380	OPSED16-01	2/3	170	2.2	**YES**
Chrysene	µg/kg	34	450	OPSED16-01	3/3	384	1.2	**YES**
Fluoranthene	µg/kg	64	1,800	SED16-01	3/3	600	3.0	**YES**
Fluorene	µg/kg	ND	580	SED16-01	1/3	19	30.5	**YES**
Indeno(1,2,3-Cd)Pyrene	µg/kg	ND	250	OPSED16-01	1/3	200	1.3	**YES**
Phenanthrene	µg/kg	44	790	OPSED16-01	3/3	240	3.3	**YES**
Pyrene	µg/kg	68	855	SED16-01	3/3	665	1.3	**YES**
PESTICIDE/PCB								
4,4'-DDD	µg/kg	ND	3.45	SED16-01	2/3	2	1.7	**YES**
4,4'-DDE	µg/kg	ND	1.7	OPSED16-01	2/3	2.2	0.8	
4,4'-DDT	µg/kg	ND	1.8	SED16-02	2/3	1	1.8	**YES**
Delta BHC	µg/kg	ND	1.5	OPSED16-01	1/3	3	0.5	
Dieldrin	µg/kg	ND	1.7	SED16-02	1/3	0.02	85.0	**YES**
Endosulfan Sulfate	µg/kg	ND	2.1	SED16-01	1/3	5.481	0.4	
Endrin Ketone	µg/kg	0.64	1.6	OPSED16-01	3/3	0.02	80.0	**YES**
Gamma-Chlordane	µg/kg	ND	1.7	OPSED16-01	1/3	0.5	3.4	**YES**
Heptachlor	µg/kg	ND	0.71	SED16-02	2/3	0.5	1.4	**YES**
Heptachlor Epoxide	µg/kg	ND	1.2	OPSED16-01	1/3	0.5	2.4	**YES**
PCB-1260	µg/kg	ND	36	SED16-01	1/3	22.7	1.6	**YES**

Analyte	Units	Minimum Concentration	Maximum Concentration	Maximum Location	Detection Frequency	Screening Value[1]	HQ	COPC
SVOC								
Bis(2-Ethylhexyl) Phthalate	µg/kg	320	3,600	OPSED16-01	3/3	890,000	0.0	
Carbon Disulfide	µg/kg	ND	27.5	SED16-01	2/3	30,000	0.0	
Dibenzofuran	µg/kg	ND	255	SED16-01	1/3	420	0.6	
Di-N-Octylphthalate	µg/kg	ND	550	OPSED16-01	1/3	11,000	0.1	
VOC								
Acetone	µg/kg	57	120	SED16-02	3/3	8.7	13.8	**YES**

[1]From Table 2.

NOTE: COPC = Constituent of Potential Concern.
EN = Essential nutrient (not screened).
HQ = Hazard Quotient.
mg/kg = Milligrams per kilogram.
ND = Not detected.
NSV = No screening value.
PAH = Polycyclic aromatic hydrocarbons.
µg/kg = Micrograms per kilogram.

TABLE 6 FOOD-WEB EXPOSURE FACTORS FOR ECOLOGICAL RECEPTORS OF CONCERN

Exposure Factor	American Robin	Red Fox	Eastern Cottontail
Body Weight (kg)	0.0810200 (U.S. EPA 1993)	5.0 (U.S. EPA 1993)	1.134 (Sample and Suter 1994)
Food Ingestion Rate (kg/day)	0.0976300 (U.S. EPA 1993)	0.320 (U.S. EPA 1993)	0.237 (Sample and Suter 1994)
Soil Ingestion Rate (kg/day)	0.009763 (Based on 10% of food ingestion rate with American woodcock as surrogate, U.S. EPA 1993)	0.0090 (Based on 2.8% of food ingestion rate, U.S. EPA 1993)	0.015 (Based on 6.3% of food ingestion rate of the black-tailed jackrabbit, Sample and Suter 1994)
Habitat Ratio (relative to site size of 4.5 Ha)	1.0 (Based on habitat range of 0.4 Ha, U.S. EPA 1993)	1.0 for conservative food web and 0.006 for refined food web (Based on a habitat range of 750 Ha, U.S. EPA 1993)	1.0 (Based on habitat range of 4.0 Ha, U.S. EPA 1993)

NOTE: kg = Kilogram.
Ha = Hectare.

TABLE 7 LIST OF TOXICITY REFERENCE VALUES FOR USE IN FOOD-WEB MODELING

Analyte	Eastern Cottontail mg/kg-bw/day	Red fox mg/kg-bw/day	American robin mg/kg-bw/day
INORGANICS			
Chromium	1,445.0	1,445.0	1.0
Copper	8.0	8.0	47.0
Lead	4.22	4.22	3.85
Zinc	84.5	84.5	14.5
PAH			
Benzo(a)pyrene*	0.29	0.29	--
SVOC			
2-Butanone	935	935	--
Carbazole	--	--	--
DIOXIN/FURAN			
2,3,7,8-TCDD	0.0000005	0.0000005	0.000014
VOC			
Acetone	5.3	5.3	--
Methylene chloride	3.1	3.1	--

NOTE: TRVs accessed from U.S. Navy, Naval Facilities Engineering Command, Northern Division Benchmark Screening Values Database (based on Sample et al. [1996]).

Eastern cottontail and red fox TRVs are identical because both are classified as "medium mammals" in the Navy Benchmark Screening Values Database.

TRV available only for benzo(a)pyrene; this value used for all PAH COPC.

-- = Dashed line indicates no TRV available.
COPC = Constituents of Potential Concern.
Mg/kg = Milligram per kilogram.
PAH = Polycyclic aromatic hydrocarbons.
SVOC = Semivolatile organic compounds.
TRV = Toxicity Reference Value.
VOC = Volatile organic compounds.

TABLE 8 CONSERVATIVE FOOD-WEB RESULTS FOR THE EASTERN COTTONTAIL NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Food Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	11.6	11.6	2.578	1,445	0.0	
Copper	40.2	40.2	8.933	8.0	1.1	**YES**
Lead	98.4	98.4	21.867	4.22	5.2	**YES**
Zinc	85.3	85.3	18.956	84.5	0.2	
Benzo(a)anthracene	4.45	4.45	0.989	0.29	3.4	**YES**
Benzo(a)pyrene	2.35	2.35	0.522	0.29	1.8	**YES**
Benzo(b)fluoranthene	7.4	7.4	1.644	0.29	5.7	**YES**
Benzo[g,h,i]perylene	1.05	1.05	0.233	0.29	0.8	
Benzo(k)fluoranthene	1.8	1.8	0.400	0.29	1.4	**YES**
Chrysene	4.75	4.75	1.056	0.29	3.6	**YES**
Fluoranthene	4.305	4.035	0.900	0.29	3.1	**YES**
Indeno(1,2,3-cd)pyrene	2.3	2.3	0.511	0.29	1.8	**YES**
Dioxin Toxicity Equivalent	0.00004521	0.00004521	0.000	0.0000005	20.1	**YES**
Carbazole	0.405	0.405	0.090	No TRV	No TRV	
2-Butanone	0.012	0.012	0.003	1301	0.0	
Acetone	3.7	3.7	0.822	7.3	0.1	
Methylene chloride	0.0045	0.0045	0.001	4.3	0.0	

NOTE: HQ = Hazard Quotient.
mg/kg = Milligrams per kilogram.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.

TABLE 9 CONSERVATIVE FOOD-WEB RESULTS FOR THE RED FOX NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Food Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	11.6	11.6	0.763	1445	0.0	
Copper	40.2	40.2	2.645	8.0	0.3	
Lead	98.4	98.4	6.475	4.22	1.5	**YES**
Zinc	85.3	85.3	5.613	84.5	0.1	
Benzo(a)anthracene	4.45	4.45	0.293	0.29	1.0	**YES**
Benzo(a)pyrene	2.35	2.35	0.155	0.29	0.5	
Benzo(b)fluoranthene	7.4	7.4	0.487	0.29	1.7	**YES**
Benzo[g,h,i]perylene	1.05	1.05	0.069	0.29	0.2	
Benzo(k)fluoranthene	1.8	1.8	0.118	0.29	0.4	
Chrysene	4.75	4.75	0.313	0.29	1.1	**YES**
Fluoranthene	4.305	4.035	0.266	0.29	0.9	
Indeno(1,2,3-cd)pyrene	2.3	2.3	0.151	0.29	0.5	
Dioxin Toxicity Equivalent	0.00004521	0.00004521	0.000	0.0000005	5.9	**YES**
Carbazole	0.405	0.405	0.027	No TRV	No TRV	
2-Butanone	0.012	0.012	0.001	935	0.0	
Acetone	3.7	3.7	0.243	5.3	0.0	
Methylene chloride	0.0045	0.0045	0.000	3.1	0.0	

NOTE: HQ = Hazard Quotient.
mg/kg = Milligram per kilogram.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.

TABLE 10 CONSERVATIVE FOOD-WEB RESULTS FOR THE AMERICAN ROBIN NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Food Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	11.6	11.6	15.376	1	15.4	**YES**
Copper	40.2	40.2	53.286	47.0	1.1	**YES**
Lead	98.4	98.4	130.430	3.85	33.9	**YES**
Zinc	85.3	85.3	113.066	14.5	7.8	**YES**
Benzo(a)anthracene	4.45	4.45	5.899	NoTRV	NoTRV	
Benzo(a)pyrene	2.35	2.35	3.115	NoTRV	NoTRV	
Benzo(b)fluoranthene	7.4	7.4	9.809	NoTRV	NoTRV	
Benzo[g,h,i]perylene	1.05	1.05	1.392	NoTRV	NoTRV	
Benzo(k)fluoranthene	1.8	1.8	2.386	NoTRV	NoTRV	
Chrysene	4.75	4.75	6.296	NoTRV	NoTRV	
Fluoranthene	4.305	4.035	5.381	NoTRV	NoTRV	
Indeno(1,2,3-cd)pyrene	2.3	2.3	3.049	NoTRV	NoTRV	
Dioxin Toxicity Equivalent	0.00007554	0.00007554	0.000	0.000014	7.2	**YES**
Carbazole	0.405	0.405	0.537	No TRV	No TRV	
2-Butanone	0.012	0.012	0.016	No TRV	No TRV	
Acetone	3.7	3.7	4.904	No TRV	No TRV	
Methylene chloride	0.0045	0.0045	0.006	No TRV	No TRV	

NOTE: HQ = Hazard Quotient.
mg/kg = Milligram per kilogram.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.

TABLE 11 BIOACCUMULATION FACTORS USED IN REFINED FOOD-WEB MODEL

Analyte	Invertebrate			Plant			Mammal		
	BAF	Type	Source	BAF	Type	Source	BAF	Type	Source
Chromium	0.50592	90th Percentile UF	(1)	1	Conservative	(2)	0.0373	General Regression	(5)
Copper	0.0563	Simple Regression	(1)	0.05	Simple Regression	(3)	0.1046	General Regression	(5)
Lead	0.053	Simple Regression	(1)	0.0085	Simple Regression	(3)	0.0157	General Regression	(5)
Zinc	0.69	Simple Regression	(1)	0.16	Simple Regression	(3)	0.456	General Regression	(5)
Benz(a)anthracene	1.0	Conservative	(2)	0.017	Geometric Mean Regression	(4)	1	Conservative	(2)
Benzo(a)pyrene	1.0	Conservative	(2)	0.011	Geometric Mean Regression	(4)	1	Conservative	(2)
Benzo(b)fluoranthene	1.0	Conservative	(2)	0.009	Geometric Mean Regression	(4)	1	Conservative	(2)
Benzo(g,h,i)perylene	1.0	Conservative	(2)	0.005	Geometric Mean Regression	(4)	1	Conservative	(2)
Benzo(k)fluoranthene	1.0	Conservative	(2)	0.0008	Geometric Mean Regression	(4)	1	Conservative	(2)
Chrysene	1.0	Conservative	(2)	0.017	Geometric Mean Regression	(4)	1	Conservative	(2)
Fluoranthene	1.0	Conservative	(2)	0.042	Geometric Mean Regression	(4)	1	Conservative	(2)
Indeno(1,2,3-cd)pyrene	1.0	Conservative	(2)	0.005	Geometric Mean Regression	(4)	1	Conservative	(2)
Dioxin Toxicity Equivalent	1.0	Conservative	(2)	0.009	Geometric Mean Regression	(4)	1	Conservative	(2)
Carbazole	1.0	Conservative	(2)	1	Conservative	(2)	1	Conservative	(2)
2-Butanone	1.0	Conservative	(2)	1	Geometric Mean Regression	(2)	1	Conservative	(2)
Acetone	1.0	Conservative	(2)	1	Geometric Mean Regression	(2)	1	Conservative	(2)
Methylene chloride	1.0	Conservative	(2)	1	Conservative	(2)	1	Conservative	(2)

(1) Sample et al. 1998a.
(2) default.
(3) Bechtel Jacobs 1998.
(4) Travis and Arms 1988.
(5) Sample et al. 1998b.
NOTE: BAFs are wet tissue/dry soil basis.
BAFs = Bio-accumulation Factor.
UF = Uptake factor.

All of the regressions are simple log-linear models of the form:
ln(tissue)=B0 + B1 (ln(soil)), where B0 and B1 are intercept and slope, respectively.

Example: ln(plant) = B0 + b1(ln(soil lead))
= -1.328 + 0.561 (4.589))
= 1.246

When this lognormal concentration of lead in plant tissue is converted to the antilog, and multiplied by the fraction dry weight in plants (0.24), the result is 0.8347 mg/kg. Dividing this concentration by the dry weight concentration of lead in soil (98.4 mg/kg) gives a BAF value of 0.0085 (see above table).

TABLE 12 STEP 3a REFINED FOOD-WEB RESULTS FOR THE EASTERN COTTONTAIL, NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Vegetation Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	9.164	2.7840	0.7031	1,445	0.00	
Copper	31.758	2.0083	0.8398	8.0	0.10	
Lead	77.736	0.8347	1.2027	4.22	0.29	
Zinc	67.387	13.6742	3.7492	84.5	0.04	
Benz(a)anthracene	3.516	0.0224	0.0512	0.29	0.18	
Benzo(a)pyrene	1.857	0.0079	0.0262	0.29	0.09	
Benzo(b)fluoranthene	5.846	0.0195	0.0814	0.29	0.28	
Benzo(g,h,i)perylene	0.830	0.0015	0.0113	0.29	0.04	
Benzo(k)fluoranthene	1.422	0.0004	0.0189	0.29	0.07	
Chrysene	3.753	0.0239	0.0546	0.29	0.19	
Fluoranthene	3.401	0.0548	0.0564	0.29	0.19	
Indeno(1,2,3-cd)pyrene	1.817	0.0033	0.0247	0.29	0.09	
Dioxin Toxicity Equivalent	3.572E-05	1.1935E-07	4.9738E-07	0.0000005	0.99	
Carbazole	0.320	0.0972	0.0245	No TRV	No TRV	
2-Butanone	0.009	0.0029	0.0007	935	0.00	
Acetone	2.923	0.8880	0.2243	5.3	0.04	
Methylene chloride	0.004	0.0011	0.0003	3.1	0.00	

NOTE: HQ = Hazard Quotient.
mg/kg = Milligram per kilogram.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.
Soil Concentration= Maximum site value on wet weight basis.

TABLE 13 STEP 3a REFINED FOOD-WEB RESULTS FOR THE RED FOX, NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Vegetation Concentration (mg/kg)	Mammal Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	9.1640	2.7840	0.4324	0.0004	1,445	0.00	
Copper	31.758	2.0083	4.2037	0.0019	8.0	0.00	
Lead	77.7360	0.8347	1.5439	0.0014	4.22	0.00	
Zinc	67.3870	13.6742	38.8611	0.0147	84.5	0.00	
Benz(a)anthracene	3.5155	0.0224	1.4240	0.0005	0.29	0.00	
Benzo(a)pyrene	1.8565	0.0079	0.7520	0.0003	0.29	0.00	
Benzo(b)fluoranthene	5.8460	0.0195	2.3680	0.0009	0.29	0.00	
Benzo(g,h,i)perylene	0.8295	0.0015	0.3360	0.0001	0.29	0.00	
Benzo(k)fluoranthene	1.4220	0.0004	0.5760	0.0002	0.29	0.00	
Chrysene	3.7525	0.0239	1.5200	0.0006	0.29	0.00	
Fluoranthene	3.4010	0.0548	1.3776	0.0005	0.29	0.00	
Indeno(1,2,3-cd)pyrene	1.8170	0.0033	0.7360	0.0003	0.29	0.00	
Dioxin Toxicity Equivalent	3.5716E-05	1.1935E-07	1.4467E-05	5.3902E-09	0.0000005	0.01	
Carbazole	0.3200	0.0972	0.1296	0.0001	No TRV	NA	
2-Butanone	0.0095	0.0029	0.0038	1.5401E-06	935	0.00	
Acetone	2.9230	0.8880	1.1840	0.0005	5.3	0.00	
Methylene chloride	0.0036	0.0011	0.0014	5.7753E-07	3.1	0.00	

NOTE:
HQ = Hazard Quotient.
mg/kg = Milligrams per kilogram.
NA = Not available.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.
Soil Concentration = Maximum site value on wet weight basis.

TABLE 14 STEP 3a REFINED FOOD-WEB RESULTS FOR THE AMERICAN ROBIN, NCBC DAVISVILLE SITE 16

Ecological Contaminant of Concern	Soil Concentration (mg/kg)	Vegetation Concentration (mg/kg)	Invertebrate Concentration (mg/kg)	Dose (mg/kg/day)	TRV (mg/kg/day)	HQ	HQ>1?
Chromium	9.164	2.7840	0.939	2.992	1	2.99	**YES**
Copper	31.758	2.0083	2.265	6.451	47.0	0.14	
Lead	77.736	0.8347	5.221	13.862	3.85	3.60	**YES**
Zinc	67.387	13.6742	58.837	60.516	14.5	4.17	**YES**
Benz(a)anthracene	3.516	0.0224	0.712	0.999	No TRV	NA	
Benzo(a)pyrene	1.857	0.0079	0.376	0.526	No TRV	NA	
Benzo(b)fluoranthene	5.846	0.0195	1.184	1.654	No TRV	NA	
Benzo(g,h,i)perylene	0.830	0.0015	0.168	0.234	No TRV	NA	
Benzo(k)fluoranthene	1.422	0.0004	0.288	0.401	No TRV	NA	
Chrysene	3.753	0.0239	0.760	1.066	No TRV	NA	
Fluoranthene	3.401	0.0548	0.689	0.980	No TRV	NA	
Indeno(1,2,3-cd)pyrene	1.817	0.0033	0.368	0.513	No TRV	NA	
Dioxin Toxicity Equivalent	5.967E-05	1.5754E-07	1.209E-05	1.687E-05	0.000014	1.20	**YES**
Carbazole	0.320	0.0972	0.065	0.130	No TRV	NA	
2-Butanone	0.009	0.0029	0.002	0.004	No TRV	NA	
Acetone	2.923	0.8880	0.592	1.187	No TRV	NA	
Methylene chloride	0.004	0.0011	0.001	0.001	No TRV	NA	

NOTE: HQ = Hazard Quotient.
mg/kg = Milligrams per kilogram.
NA = Not available.
NCBC = Naval Construction Battalion Center.
TRV = Toxicity Reference Value.
Soil Concentration = Maximum site value on wet weight basis.

TABLE 15 SUMMARY OF SITE 16 RISK CALCULATIONS (HQs>1) IN ALL MEDIA FOR ALL ROCs

Analyte	Surface Soil Terrestrial Plants/ Invertebrates	Seep Water Marine Fish/ Plankton	Seep Sediment Marine Benthos	Conservative Food Web			Refined Food Web		
				Surface Soil Eastern Cottontail	Surface Soil Red Fox	Surface Soil American Robin	Surface Soil Eastern Cottontail	Surface Soil Red Fox	Surface Soil American Robin
INORGANICS									
Arsenic			4.5						
Barium		71.4	5.5						
Chromium	1.2					15.4			3.0
Cobalt		2.9							
Copper	1.01		3.7	1.1		1.1			
Lead	2.0		3.3	5.2	1.5	33.9			3.6
Manganese		25.4	3.0						
Nickel			2.6						
Selenium			1.3						
Zinc	1.7		2.3			7.8			4.2
PAH									
Acenaphthene			56.6						
Acenaphthylene			2.5						
Benzo(A)Anthracene	4.5			3.4	1.0				
Benzo(A)Pyrene	2.4			1.8					
Benzo(B)Fluoranthene	7.4			5.7	1.7				
Benzo[G,H,I]Perylene	1.1		2.2						
Benzo(K)Fluoranthene	1.8		1.4	1.4					
Chrysene	4.8		1.2	3.6	1.1				
Fluoranthene	4.3		3.0	3.1					
Fluorene			30.5						
Indeno(1,2,3-Cd)Pyrene	2.3		1.3	1.8					
Phenanthrene		1.5	3.3						
Pyrene			1.3						
PESTICIDE/PCB									
4,4'-DDD			1.7						
4,4'-DDT			1.8						
Dieldrin		10.5	85.0						
Endrin		1.7							
Endrin Ketone			80.0						
Gamma-Chlordane			3.4						

Analyte	Surface Soil Terrestrial Plants/ Invertebrates	Seep Water Marine Fish/ Plankton	Seep Sediment Marine Benthos	Conservative Food Web			Refined Food Web		
				Surface Soil Eastern Cottontail	Surface Soil Red Fox	Surface Soil American Robin	Surface Soil Eastern Cottontail	Surface Soil Red Fox	Surface Soil American Robin
Heptachlor			1.4						
Heptachlor Epoxide		5.6	2.4						
PCB-1260			1.6						
DIOXIN/FURAN									
Dioxin Toxicity Equivalent				20.1	5.9	7.2			1.2
VOC									
Acetone			13.8						

NOTE: HQ = Hazard Quotient.
PAH = Polycyclic aromatic hydrocarbons.
PCB = Polychlorinated biphenyls.
ROC = Receptor of concern

Attachment A

1 April 2002 Letter from R. W. Enser of Rhode Island Department of Environmental Management Regarding Rare and Endangered Species at Site 16

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

EA ENGINEERING, SCIENCE & TECHNOLOGY

APR 0 4 2002

RECEIVED

David Mayhew
EA Engineering, Science & Technology
15 Loveton Circle
Sparks, MD 21152

April 1, 2002

RE: Site 16, Naval Construction Battalion Center, Davisville, RI.

Dear Mr. Mayhew:

Thank you for contacting the Rhode Island Natural Heritage Program for information regarding the presence of rare and endangered species, or exemplary natural communities within the vicinity of the above-referenced site as identified in your letter and map received at this office on March 20, 2002.

Review of the Program database indicates there are no rare or endangered species or exemplary natural communities within Site #16. It should be noted that listed species do occur within other parts of the Davisville area and that this review is only for Site #16 as delineated. As our inventory is ongoing, more information may become available on this location in the future. If I can provide any additional information regarding this review, please contact me at 222-2776 extension 4308.

Sincerely,

Richard W Enser

Richard W. Enser, Coordinator
RI Natural Heritage Program

Attachment B

Comparison of Maximum Site 16 Sediment Concentrations to Effects Range-Median (ERM) Screening Benchmarks

TABLE B-1 COMPARISON OF SITE 16 SEDIMENT CONCENTRATIONS TO ERM BENCHMARKS

Analyte	Units	Maximum Concentration	ERM	HQ	COPC
Metals					
ARSENIC	mg/kg	36.6	70	0.5	
CADMIUM	mg/kg	0.19	9.6	0.0	
CHROMIUM	mg/kg	33.5	370	0.1	
COPPER	mg/kg	127	270	0.5	
LEAD	mg/kg	154	218	0.7	
MERCURY	mg/kg	0.055	0.71	0.1	
NICKEL	mg/kg	53.8	51.6	1.04	**YES**
ZINC	mg/kg	346	410	0.8	
PAH					
ACENAPHTHENE	ug/kg	905	500	1.8	**YES**
ACENAPHTHYLENE	ug/kg	110	640	0.2	
BENZO(A)ANTHRACENE	ug/kg	200	1600	0.1	
BENZO(A)PYRENE	ug/kg	300	1600	0.2	
CHRYSENE	ug/kg	450	2800	0.2	
FLUORANTHENE	ug/kg	1800	5100	0.4	
FLUORENE	ug/kg	580	540	1.1	**YES**
PYRENE	ug/kg	855	2600	0.3	
Pesticide/PCB					
4,4'-DDE	ug/kg	1.7	27	0.1	
PCB-1260	ug/kg	36	180	0.2	

Note:
ERM = Effects Range-Median (Long et al. 1995).
HQ = Hazard Quotient.
COPC = Constituent of Potential Concern.
mg/kg = Milligrams per kilogram.
ug/kg = Micrograms per kilogram.
PAH = Polycyclic aromatic hydrocarbons.
PCB = Polychlorinated biphenyl.

Appendix R

Human Health Risk Assessment

Human Health Risk Assessment at IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Training Area)

Naval Construction Battalion Center Davisville North Kingstown, Rhode Island

Contract No. N62472-92-D-1296
Task Order No. 0097

Prepared for

Department of the Navy
Engineering Field Activity Northeast
10 Industrial Highway, Mail Stop No. 82
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Prepared by

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July 2004
Version: FINAL
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ACRONYMS AND ABBREVIATIONS

95UCLM	95th Percentile Upper Confidence Limit on the Mean
AT	Averaging Time
bgs	Below Ground Surface
bw	Body Weight
CADI	Carcinogenic Average Daily Intake
CDC	Centers for Disease Control
CFR	Code of Federal Regulations
cm^2	Square Centimeter(s)
COPC	Constituent of Potential Concern
CTE	Central Tendency Exposure
DCA	Dichloroethane
DCE	Dichloroethene
dL	Deciliter(s)
EBS	Environmental Baseline Survey
EFANE	Engineering Field Activity Northeast
EPC	Exposure Point Concentration
HEAST	Health Effects Assessment Summary Tables
HHRA	Human Health Risk Assessment
HI	Hazard Index
HQ	Hazard Quotient
IEUBK	Integrated Exposure Uptake Biokinetic Model
IR	Installation Restoration
IRIS	Integrated Risk Information System
kg	Kilogram(s)
LEAD99D	LEAD Version 0.99D
m^3	Cubic Meter(s)
MCL	Maximum Contaminant Level
mg	Milligram(s)
NCADI	Non-Carcinogenic Average Daily Intake

NCBC	Naval Construction Battalion Center
NCEA	National Center for Environmental Assessment
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NOAEL	No-Observed-Adverse-Effect-Level
NRC	National Research Council
OAQPS	Office of Air Quality Planning and Standards
OSWER	Office of Solid Waste and Emergency Response
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbon
PEF	Particulate Emission Factor
ppm	Parts Per Million
PRG	Preliminary Remediation Goal
RfC	Reference Concentration
RfD	Reference Dose
RI	Remedial Investigation
RIDEM	Rhode Island Department of Environmental Management
RME	Reasonable Maximum Exposure
SF	Slope Factor
SQL	Sample Quantitation Level
TCE	Trichloroethene
TCDD-TEQ	Dioxin-Toxic Equivalent
TRW	Technical Review Workgroup for Lead
μg	Microgram(s)
U.S. EPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound(s)

EXECUTIVE SUMMARY

EA Engineering, Science, and Technology has been retained by the U.S. Navy Engineering Field Activity Northeast (EFANE) to provide risk assessment services for the former Naval Construction Battalion Center (NCBC) Davisville facility in North Kingstown, Rhode Island. This report presents the human health risk assessment (HHRA) for the Phase I Remedial Investigation (RI) for Installation Restoration (IR) Program Site 16 (Site 16).

The former NCBC Davisville facility is located in the Town of North Kingstown, Rhode Island, approximately 18 miles south of the state capital, Providence. NCBC Davisville is composed of three areas: the Main Center (Zones 1 through 4), the West Davisville storage area, and Camp Fogarty. NCBC Davisville was primarily used for training Naval seamen in construction operations, as well as for storage and freight yards for construction materials. Site 16 is the location of a former creosote dip tank area, where, during the 1960s, wood piles were dipped into tanks containing creosote and staged in the area to dry (Figure ES-1). In addition, a former fire fighter training area is reportedly located in the site. Currently the site is not used and consists of the remnants of these former activities. The site is primarily vegetated with the exception of a paved area in the central portion of the site.

The HHRA for Site 16 is conducted in accordance with U.S. Environmental Protection Agency (U.S. EPA) *Risk Assessment Guidance for Superfund (RAGS), Volume I: Human Health Evaluation Manual (Part A) (Interim Final)* (U.S. EPA 1989a) and U.S. EPA *RAGS, Volume 1 – Human Health Evaluation Manual (Part D), Standardized Planning, Reporting and Review of Superfund Risk Assessments Interim* (U.S. EPA 1998a). The risk assessment follows the methodologies presented in the *Final Work Plan, Remedial Investigation of IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Area), Naval Construction Battalion Center, North Kingstown, RI* (EA 2000) and comments provided by U.S. EPA Region I (U.S. EPA 2000).

A human health site conceptual model is developed and provided in Figure ES-2 and Table ES-1. Media of concern include surface soil, total soil (combined surface and subsurface soil), seep water, and ground water. Based on the shallow and intermittent nature of the seeps at Site 16, sediment is not addressed as a medium of concern, and, instead, seep water is evaluated. Seep water samples are not filtered, and thus their evaluation is representative of both seep water and sediment exposure. The site conceptual model also depicts the receptors and exposure pathways evaluated in this HHRA.

A risk-based screening assessment (hazard identification) is conducted to eliminate chemicals that were not detected at levels capable of producing unacceptable risk. Risk-based screening is conducted by comparing maximum detected chemical concentrations for each medium to risk-based screening concentrations. Any analyte in any medium for which the maximum measured concentration exceeded the risk-based screening concentration is retained as a constituent of potential concern (COPC) and is assessed further in the HHRA. The U.S. EPA Region IX soil preliminary remediation goals (PRGs) (U.S. EPA 2001a) are used for screening

purposes. One-tenth of the Preliminary Remediation Goal (PRG) for non-carcinogens is used to account for potential additivity of toxic effects.

An exposure assessment was conducted to calculate Exposure Point Concentrations (EPCs) representative for each COPC. The exposure assessment utilized exposure parameters presented in the *Final Work Plan, Remedial Investigation of IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Area), Naval Construction Battalion Center, North Kingstown, RI* (EA 2000) and comments provided by U.S. EPA Region I (U.S. EPA 2000). Reasonable Maximum Exposure (RME) and Central Tendency Exposure (CTE) scenarios were evaluated.

The toxicity assessment and risk characterization section focused on non-carcinogenic COPCs, carcinogenic COPCs, and lead. Risks were evaluated for each receptor on a cumulative basis across all pathways and media. A breakdown for each medium was also provided in Tables 10.1 through 10.5.

Non-Carcinogenic Risks

Non-carcinogenic risks exceed the U.S. EPA threshold of 1.0 for residents (adult and child) and construction workers; non-carcinogenic risks do not exceed 1.0 for recreational users (adult and child) and commercial workers. The risks exceeding the threshold are driven entirely by the ground-water exposure pathways.

For RME and CTE, cumulative Hazard Indexes (HIs) are calculated as less than the 1.0 threshold for surface soil (commercial worker, adult recreational user, and child recreational user) and total soil (construction worker, child resident, and adult resident). For RME and CTE, cumulative HIs are also less than the 1.0 threshold for seep water (adult recreational user, child recreational user) exposure. Thus, non-carcinogenic risk for all receptors to soil and seep water is acceptable.

For the RME, cumulative HIs for ground water (construction workers, child residents, and adult residents) are calculated above the 1.0 threshold. COPCs with hazard quotients (HQs) above 1.0 in ground water are barium, manganese, *cis*-1,2-dichloroethene (*cis*-1,2-DCE) and trichloroethene (TCE). A breakdown by target organ indicates that the HQs for the central nervous system, liver, and kidney exceed the 1.0 threshold, indicating unacceptable non-carcinogenic risks for residential and construction worker exposure to ground water.

Carcinogenic Risks

Cumulative cancer risks for residential receptors exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4}, driven by the ground-water exposure pathways. Combined adult and child resident risks for ground water are 2.0×10^{-3} and 3.0×10^{-4} for RME and CTE, respectively. Cumulative cancer risks for total soil are within U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4}. The combined adult and child resident risks for total soil are 3.8×10^{-5} and 5.9×10^{-6} for RME and CTE, respectively. Therefore, there are no concerns for cancer effects for residential exposure to total soil.

There are no cancer risks that exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} for recreational users. The only COPCs with risks greater than 10^{-6} in surface soil are dioxin, arsenic, benzo(a)pyrene, and dibenz(a,h)anthracene. RME cumulative risks for the adult and child recreational users are 6.4×10^{-6} and 7.4×10^{-6}, respectively. Therefore, there are no concerns for cancer effects for recreational users.

There are no cancer risks that exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} for industrial receptors. Both the construction and commercial workers had cumulative risks exceeding 10^{-6}. Risks are calculated as 7.2×10^{-6} for RME and 1.3×10^{-6} for CTE for construction workers. Risks are calculated as 6.2×10^{-6} for RME and 9.2×10^{-7} for CTE for commercial workers. In both cases, cumulative risks are below 10^{-5}. Therefore, there are no concerns for cancer effects for construction or commercial workers.

Lead Risks

In addition, lead is evaluated for total soil, ground water, and seep water. Blood lead levels are the indicator of excess lead exposure in humans. Modeled blood level results are compared to the established cutoff value or acceptable threshold of 10 micrograms (μg) lead/dL (deciliter). This blood level is considered protective of human health for children. Lead modeling is performed for residential, recreational, and worker scenarios. Blood lead level modeling results are below 10 μg lead/dL blood for the child resident scenario, indicating that there is no concern for adverse effects from site exposure to the detected lead in soil and ground water. This scenario provides the most conservative estimate of risks for lead and is, therefore, protective of recreational and worker exposure scenarios. However, although a recreational user model is not available, the residential model is run to estimate recreational risks as a conservative measure. The potential risks from recreational exposure are modeled using conservative residential assumptions for soil and conservative recreational exposure assumptions for seep water, indicating no unacceptable risks. Likewise, the construction worker scenario is evaluated for exposure to total lead in soil; the results indicate no unacceptable risks.

Conclusions

Non-carcinogenic risks, carcinogenic risks, and potential lead exposure risks were all evaluated. Potential risks associated with ground-water exposure for the residential (adult and child) scenario and the construction worker scenario were unacceptable for non-carcinogenic risk and were unacceptable for the residential scenario for carcinogenic risk. These risks were driven by manganese and TCE in ground water.

Potential risks for all other evaluated media for all evaluated receptors were acceptable. Therefore, there are no concerns for human exposure to site soil and seep water. Blood-lead level modeling indicated that exposure to lead is not of concern at the site for any of the evaluated receptors in any of the evaluated media.

The Rhode Island Department of Environmental Management (RIDEM) disagrees with some of the methodologies used in this Phase I RI risk assessment. Additional ground water and soil data

will be collected as part of the Phase II RI. This data will be used to develop a Phase II RI risk assessment. The Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.

1. INTRODUCTION

EA Engineering, Science, and Technology has been retained by the U.S. Navy Engineering Field Activity Northeast (EFANE) to provide risk assessment services for the former Naval Construction Battalion Center (NCBC) Davisville facility in North Kingstown, Rhode Island. This appendix presents the human health risk assessment (HHRA) for the Phase I Remedial Investigation (RI) for Installation Restoration (IR) Program Site 16 (Site 16).

1.1 FACILITY HISTORY

The former NCBC Davisville facility is located in the Town of North Kingstown, Rhode Island, approximately 18 miles south of the state capital, Providence. NCBC Davisville is composed of three areas: the Main Center (Zones 1 through 4), the West Davisville storage area, and Camp Fogarty. NCBC Davisville was primarily used for training Naval seamen in construction operations, as well as for storage and freight yards for construction materials. NCBC Davisville was comprised primarily of warehouse space and freight yards, most of which are currently empty. The Navy acquired the property in 1939. NCBC Davisville closed on 1 April 1994. Site 16 (formerly designated Environmental Baseline Study [EBS] Review Item 28 and then Study Area 16) is located in the eastern portion of Zone 3 at NCBC Davisville. A detailed description of the Base history can be found in the Final Basewide EBS (EA 1995).

1.2 SITE 16

Site 16 is the location of a former creosote dip tank area where, during the 1960s, wood piles were dipped into tanks containing creosote and staged in the area to dry (Figure ES-1). In addition, a former fire fighter training area is reportedly located in the site. In such an area, temporary structures would have been doused with flammable materials, ignited, and fire fighters would have had to put these fires out. Such an operation could have released chemicals to the soil and ground water beneath Site 16. Currently the land is not used and consists of the remnants of these former activities. The site is primarily vegetated with the exception of a paved area in the central portion of the site. An unnamed asphalt road circles the outer perimeter of the wooded area of Site 16. The surrounding areas have been allowed to grow and presently have a very dense cover of bushes and small trees. The soil and seep samples and about 40 percent of the ground-water samples were collected from the approximately 9-acre area bordered to the south by Davisville Road, to the west by Westcott Road, to the north by Allen Harbor, and to the east by Allens Harbor Road (Figure ES-1). The remainder of the ground-water samples were collected from monitoring wells located in adjacent areas west, south, and east as the RI area expanded.

2. HUMAN HEALTH RISK ASSESSMENT FOR SITE 16

The purpose of this HHRA is to determine if, under expected exposure conditions, chemicals detected in environmental media at Site 16 are at concentrations that may cause unacceptable risk to humans using the area.

The HHRA for Site 16 is conducted in accordance with U.S. Environmental Protection Agency (U.S. EPA) *Risk Assessment Guidance for Superfund (RAGS), Volume I: Human Health Evaluation Manual (Part A) (Interim Final)* (U.S. EPA 1989a) and U.S. EPA *RAGS, Volume 1 – Human Health Evaluation Manual (Part D), Standardized Planning, Reporting and Review of Superfund Risk Assessments Interim* (U.S. EPA 1998a). The risk assessment follows the methodologies presented in the *Final Work Plan, Remedial Investigation of IR Program Site 16 (Former Creosote Dip Tank and Fire Fighting Area), Naval Construction Battalion Center, North Kingstown, RI* (EA 2000) and comments provided by U.S. EPA Region I (U.S. EPA 2000).

The risk assessment methodology used in this HHRA involves a four-step process: hazard identification, exposure assessment, toxicity assessment, and risk characterization. A brief description of each step is provided below:

In the *hazard identification*, environmental monitoring data are evaluated, constituents of potential concern (COPCs) are selected for inclusion throughout the remainder of the risk assessment, and the rationale for their selection is documented.

In the *exposure assessment*, the human population, or groups of individuals potentially exposed to COPCs (i.e., potential human receptors) are characterized. From the many potential pathways of exposure, pathways applicable to potential receptors at the site are identified. The concentrations of COPCs in relevant media (e.g., soil, air) are converted into systemic doses, taking into account rates of contact (e.g., ingestion rates) and absorption rates of different COPCs. The magnitude, frequency, and duration of these exposures are then integrated to obtain estimates of daily doses over a specified period of time (e.g., lifetime, activity-specific duration).

In the *toxicity assessment*, the relationship between extent of exposure and extent of toxic injury or disease is estimated for each COPC. Chemical-specific toxicity values, such as cancer slope factors (SFs) and reference doses (RfDs) or reference concentrations (RfCs) for non-carcinogens, are presented along with a discussion of their scientific basis and derivation. *Risk characterization* integrates the results of the toxicity assessment and the exposure assessment to derive quantitative estimates of human health risk, including both the risks of cancer and of non-carcinogenic effects. The major uncertainties and limitations associated with the estimates of risk and their potential ramifications are presented in this section.

2.1 HAZARD IDENTIFICATION

A hazard identification is conducted to determine which constituents are of potential concern at the site. In the hazard identification, site-specific data are analyzed and compared to risk-based screening values. Although the current and expected future use of Site 16 is industrial in nature, screening is presented for both residential and industrial exposure-based scenarios.

2.1.1 Identification of Potential Exposure Pathways

An evaluation of potential exposure pathways of concern at Site 16 is undertaken based on planned future use. The results of this analysis are provided in Table ES-1.

2.1.2 Media of Concern

Media of concern include surface soil, total soil (combined surface and subsurface soil), seep water, and ground water. Based on the shallow and intermittent nature of the seeps at Site 16, sediment is not addressed as a medium of concern; instead, seep water is evaluated. Seep water samples are not filtered, and thus their evaluation is representative of both seep water and sediment exposure. Data collected at Site 16 are presented in Attachment A of this HHRA.

2.1.3 Exposure Pathways and Receptors of Concern

An exposure pathway describes a mechanism by which a population or individual may be exposed to chemicals present at a site. A completed exposure pathway requires the following four components:

(1) A source and mechanism of chemical release to the environment
(2) An environmental transport medium for the released chemical
(3) A point of potential human contact with the contaminated medium
(4) A human exposure route at the point of exposure.

All four components must exist for an exposure pathway to be complete and for exposure to occur. Incomplete exposure pathways do not result in actual human exposure and are not included in the exposure assessment and resulting risk characterization.

The future use of this site is planned to remain commercial/industrial in nature. However, a residential scenario, for both adult and child future residents, is included as a conservative measure. Recreational use of this area is possible; thus, both adult and child recreational users are assessed.

Under the commercial/industrial scenario, potential receptors are construction workers and commercial workers.

Under the future residential scenario, potential exposure to soil and ground water will be characterized. Total soil (both surface and subsurface soil) is evaluated as a conservative

measure to account for mixing of soil that may occur during redevelopment of the property. Incidental ingestion of, dermal contact with, and inhalation of particulates from total soil, as well as ingestion of and dermal contact with ground water and adult inhalation of volatiles while showering is assessed. The residential scenario includes both an adult and a child receptor. To evaluate lifetime cancer effects, the adult and child cancer risks are combined for each medium to reflect potential risks.

Recreational use of the area is possible, and thus incidental ingestion of and dermal contact with surface soil (0–2 ft below ground surface [bgs]) while playing and/or picnicking is assessed. In addition, although it is unlikely based on the depth of the seeps, incidental ingestion of and dermal contact with seep water during wading is also assessed as a conservative measure. The recreational scenario includes both an adult and a child receptor. They are evaluated as independent receptors.

Future construction workers are evaluated for incidental ingestion of, dermal contact with, and inhalation of particulates from total soil during excavation activities. It is assumed that construction workers would contact both surface and subsurface soils; therefore, exposure to total soil is evaluated. Construction workers are also evaluated for incidental ingestion of and dermal contact with ground water during excavation activities, as well as inhalation of volatiles released from ground water.

Current and future commercial workers are evaluated for incidental ingestion of, dermal contact with, and inhalation of particulates from surface soil (0–2 ft bgs) while working. Commercial workers typically are not involved in digging scenarios where exposure to subsurface soil would occur. In the unlikely event that these exposures occur, the evaluation of the construction worker scenarios provides a conservative estimate of potential risks to site soils.

2.1.4 Risk-Based Screening

Risk-based screening is conducted by comparing maximum detected chemical concentrations for each medium to risk-based screening concentrations. Any analyte in any medium for which the maximum measured concentration exceeded the risk-based screening concentration is retained as a COPC. This screening analysis follows both U.S. EPA Region I (U.S. EPA 1994a) and federal U.S. EPA risk assessment guidance (U.S. EPA 1989a).

Risk-based screening concentrations that are used in the selection of COPCs are medium-specific and are discussed below. For both surface and total soils, the U.S. EPA Region IX soil preliminary remediation goals (PRGs) (U.S. EPA 2001a) are used for screening purposes. For seep water and ground water, the U.S. EPA Region IX tap water PRGs are used for screening purposes. One-tenth of the Preliminary Remediation Goal (PRG) for non-carcinogens is used to account for potential additivity of toxic effects.

It should be noted that the use of tap water PRGs for seep water screening is highly conservative given that seep water exposure could not be as great as the tap water ingestion scenario upon

which the PRGs are based. Likewise, it is unlikely that ground water at Site 16 will be used as a water supply/tap water due to the availability of supplied water.

Region IX soil PRGs are available for both industrial and residential scenarios. Both sets of PRGs are employed in the screening analysis to ensure that COPCs are consistent with and specific to the exposure scenarios and receptors identified at the site. Residential receptors and recreational users, child and adult, are evaluated for COPCs determined by comparison to residential soil PRGs. Industrial receptors, construction worker and commercial worker, are evaluated for COPCs determined by comparison to industrial PRGs. These screening values are highly conservative; a comparison of the compound-specific maximum detected concentration in a medium to the medium-specific screening values demonstrates no risk to that compound.

The Region IX PRG table utilizes standard Region IX U.S. EPA recommended exposure factors (e.g., residential exposure frequency is conservative at 350 days per year) to estimate contaminant concentrations that are considered protective of human health (U.S. EPA 2002). They are intended to be conservative and are applicable for use in a screening assessment to eliminate chemicals that are detected at levels below concern to streamline the risk assessment process (U.S. EPA 1989a). The screening values used in this HHRA are based on specific, conservative fixed levels of risk. For carcinogens, this is 10^{-6}, which is the lower bound for potential acceptable carcinogenic risk as defined by the National Contingency Plan (U.S. EPA 1990). For non-carcinogens, the screening values are based on 0.1, which is one-tenth of the acceptable non-carcinogenic threshold. These fixed risk levels are conservative to account for potential additivity or cumulative effects of multiple contaminants and are, thus, protective of human health. A more thorough discussion of acceptable risk is presented in Section 2.4, Risk Characterization.

An analyte is eliminated from the list of COPCs if it is an essential nutrient of low toxicity and its reported maximum concentration is unlikely to be associated with adverse health impacts. COPCs excluded from further consideration on this basis are calcium, iron, magnesium, potassium, and sodium.

Detection frequency can also be considered in a screening assessment. Analytes detected at a frequency less than 5 percent are not considered COPCs under federal risk assessment guidance (U.S. EPA 1989a). However, for the purposes of this Phase I risk assessment, the detection frequency criteria is not applied to all analytes in the screening assessment as a conservative measure.

Common laboratory contaminants that were detected above their screening limits were included as COPCs as a conservative measure. Discussion of the uncertainty associated with their inclusion as COPCs is provided in the uncertainty analysis (Subsection 2.6.1).

Background data are available for ground water at the Base and are developed in the *Basewide Groundwater Inorganics Study Report, NCBC Davisville, RI* (Stone & Webster 1996). This report focused on the Basewide ground-water operable unit (OU) and was conducted to establish

a single set of background values for inorganics in ground water at the Main Center and West Davisville.

A comparison of the maximum detected site ground-water concentrations to these established inorganic background concentrations per U.S. Navy policy (U.S. Navy 2000) showed that arsenic detected at Site 16 was below background. In addition, arsenic in Site 16 ground water was detected in only 2 of 42 samples, which is less than a 5 percent detection frequency. Federal U.S. EPA guidance indicates that chemicals detected at less than 5 percent detection frequency may be eliminated from further consideration (U.S. EPA 1989a). Based on the comparison to background and a less than 5 percent detection frequency, arsenic in ground water is not assessed quantitatively as a COPC. A qualitative discussion regarding potential arsenic ground-water risk is provided in the uncertainty analysis (Subsection 2.6.4).

For detected analytes that are not represented in the Region IX PRG table, surrogate chemicals in the table with similar toxicity were chosen. These surrogates include: acenaphthene for acenaphthylene; and pyrene as a surrogate for benzo(g,h,i)perylene and phenanthrene.

2.1.5 COPCs Selected

Tables 2.1 through 2.6 present the occurrence, distribution, and selection of COPCs in media of concern at Site 16. The tables are media-specific and present the minimum and maximum detected concentrations, as well as the frequency of detection for each chemical detected. COPCs are presented in bold type.

2.1.5.1 COPCs in Soil

COPCs in surface soil at Site 16 under the residential screen (Table 2.1) are dioxin, aluminum, arsenic, manganese, thallium, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Surface soil COPCs at Site 16 based on industrial soil PRG screening (Table 2.2) are dioxin, arsenic, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene.

For Site 16, COPCs in total soil under the residential screen (Table 2.3) are dioxin, aluminum, antimony, arsenic, barium, copper, lead, manganese, thallium, 2-methylnaphthalene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene.

Total (combined surface and subsurface) soil COPCs at Site 16 under the industrial screen (Table 2.4) are dioxin, arsenic, lead, 2-methylnaphthalene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene.

2.1.5.2 COPCs in Seep Water

COPCs in seep water at Site 16 based on a comparison to tap water PRGs (Table 2.5) are arsenic, barium, lead, manganese, 2-methylnaphthalene, naphthalene, alpha-HCH, dieldrin, heptachlor epoxide, dibenzofuran, and vinyl chloride.

2.1.5.3 COPCs in Ground Water

COPCs in ground water are selected based on comparison to tap water PRGs and to established site-wide inorganic ground-water values (Stone & Webster 1996). The background values are presented in the screening table for ground water (Table 2.6) and are provided in Table 2.7. COPCs in ground water at Site 16 based on a comparison to tap water PRGs (Table 2.6) are barium, lead, manganese, 1,4-dichlorobenzene, bis(2-ethylhexyl)phthalate, 1,1,2-trichloroethane, 1,1-DCE, 1,2-dichloroethane (1,2-DCA), acetone, benzene, chloroform, *cis*-1,2-DCE, total-1,2-DCE, TCE, and vinyl chloride.

Several volatile organic compounds (VOCs) were included as COPCs based on a comparison to the tap water screening values. However, three of these COPCs were detected at a frequency below 5 percent: dichlorobenzene, chloroform, and vinyl chloride. The uncertainty and associated high bias in risk calculation associated with assessing chemicals that are detected at such low frequencies is discussed further in the uncertainty analysis (Subsection 2.6.4).

2.2 EXPOSURE ASSESSMENT

An exposure assessment is conducted to estimate the magnitude of potential human exposures to COPCs in site media. In the exposure assessment, central tendency and reasonable maximum estimates of potential exposure are developed in accordance with U.S. EPA guidance. Conducting an exposure assessment involves analyzing releases of COPCs; identifying all potential pathways of exposure; estimating central tendency and reasonable maximum potential exposure point concentrations (EPCs) for specific pathways, based both on environmental monitoring data and predictive chemical modeling results; and estimating potential chronic daily intakes for specific pathways. The results of this assessment are pathway-specific estimates of potential intakes for exposures to individual COPCs.

2.2.1 Quantification of Potential Exposures

The first step of the exposure assessment is to quantify potential exposure concentrations. This involves the evaluation of site data and the quantification of exposure concentrations for central tendency and reasonable maximum exposure (RME) scenarios.

2.2.1.1 Data Quality Evaluation

Data for the HHRA were collected at Site 16 and are discussed in detail in the body of the RI. Inclusion or exclusion of data on the basis of analytical qualifiers was performed in accordance with U.S. EPA guidance (U.S. EPA 1989a).

Analytical results bearing the "U" qualifier (indicating that the analyte is not detected at the given Sample Quantitation Level [SQL]) are retained in the data set and considered non-detects. Where warranted for statistical purposes, each COPC is assigned a numerical value of one-half its SQL. For duplicate pairs in which only one sample was a non-detect, one-half the detection limit was used as a surrogate and the two samples were then averaged to represent the sample location.

Analytical results bearing the "J" qualifier (indicating that the reported value is estimated because the analyte is detected at a concentration below the SQL or for other reasons) are retained at the measured concentration.

Common laboratory contaminants, including acetone, 2-butanone, methylene chloride, chloroform, toluene, phthalate esters, and uncommon laboratory contaminants are considered to be COPCs unless it is evident that their presence is not related to site-specific activities but is due to laboratory contamination.

2.2.1.2 Analysis of COPC Data

To assess human health risks, the statistical analyses of the COPC concentrations in each medium are performed. The methods used to analyze the data for each of these media are described below.

Reported concentrations are used to calculate the 95th percentile Upper Confidence Limit of the Mean (95UCLM) for COPCs in each medium (U.S. EPA 1992a). 95UCLMs are calculated for all site media, with the exception of ground water, for the purpose of estimating EPCs. In cases where the 95UCLM values exceed the maximum detected concentration, the maximum detected concentration is used as the EPC for both the RME and Central Tendency Exposure (CTE) scenarios. The first step in estimation of the 95UCLM is to determine whether medium-specific environmental data for a COPC are normally or log-normally distributed. Distributions were tested using the W-test (Gilbert 1987); for distributions for which the W-test was not conclusive, a log-normal distribution was assumed.

For a log-normally distributed COPC, the following steps are carried out to calculate 95UCLM. Because transformation is a necessary step in calculating the 95UCLM for a log-normal distribution, the data are transformed by using the natural logarithm function (i.e., calculate ln(x), where x is the value from the data set). After transforming the data, 95UCLM for the data set is determined by calculating the arithmetic mean of the transformed data; calculating standard deviation of the transformed data; determining H-statistic (Gilbert 1987); and calculating 95UCLM using the equation given below:

$$95\,UCLM = e^{(\bar{x} + 0.5\,s^2 + sH \cdot \sqrt{n-1})} \qquad \text{(Equation 1)}$$

where:

95UCLM	=	95th percentile Upper Confidence Limit on the Mean
e	=	Constant (base of the natural logarithm; equal to 2.718)
x	=	Mean of the transformed data
s	=	Standard deviation of the transformed data
H	=	H-Statistic
n	=	Number of samples in the data set.

If the statistical test supported the assumption that the data set for a COPC is normally distributed, the following steps are undertaken to calculate 95UCLM (U.S. EPA 1992a): (1) calculate the arithmetic mean of the untransformed data; (2) calculate standard deviation of the untransformed data; (3) determine the one-tailed t-statistic (Gilbert 1987); and (4) calculate 95UCLM using the equation given below:

$$95\,UCLM = (\bar{x} + t\,s\,/\,\sqrt{n}) \qquad \text{(Equation 2)}$$

where:

95UCLM	=	95th percentile Upper Confidence Limit on the Mean
x	=	Mean of the untransformed data
s	=	Standard deviation of the untransformed data
t	=	Student-t statistic
n	=	Number of samples in the data set.

2.2.2 Exposure Point Concentrations

Tables 3.1 through 3.6 present summary statistics (e.g., frequency of detection, range of detection, mean, and the 95UCLM) for each COPC per medium. These tables also present the selection of EPCs for use in the remainder of the risk assessment. For all media except ground water, the RME EPC value is utilized as the chemical-specific, medium-specific EPC in the exposure assessment for the RME assumptions. However, if the 95UCLM is greater than the maximum detected concentration, the maximum detected concentration value is used as the EPC and is listed in the table instead of the 95UCLM value, as per U.S. EPA guidance (U.S. EPA 1989a). For ground water, the maximum detected concentration was used for the same COPCs as the EPC, based on the presence of only one round of sampling. The CTE scenario utilizes the same EPC used for the RME scenario per U.S. EPA Region I August 1994 guidance.

2.2.3 Exposure Equations

The next step in this exposure assessment is to estimate COPC intakes for each of the pathways considered in the assessment. In this exposure assessment, we have provided two different measures of intake, depending on the nature of the effect being evaluated. When evaluating longer-term (i.e., subchronic and chronic) exposures to chemicals that produce adverse non-carcinogenic effects, intakes are averaged over the period of exposure (i.e., the averaging time [AT]) (U.S. EPA 1989a). This measure of intake is referred to as the non-carcinogenic

average daily intake (NCADI) and is a less-than-lifetime exposure. For chemicals that produce carcinogenic effects, intakes are averaged over an entire lifetime and are referred to as the lifetime carcinogenic average daily intake (CADI) (U.S. EPA 1989a).

The generic equation to calculate intakes is given below:

$$(L)ADI = \frac{C \times IF \times EF \times ED \times RAF}{BW \times AT} \times CF \qquad \text{(Equation 3)}$$

where:

(L)ADI	=	(Lifetime) Average daily dose (milligram [mg]/kilogram [kg]-day)
C	=	Concentration in a specific medium (mg/L or mg/kg)
IF	=	Intake factor[1] (mg/day)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
RAF	=	Relative absorption factor (unitless)
BW	=	Body weight (kg)
AT	=	Averaging time (days)
CF	=	Conversion Factor (10^{-6} kg/mg)

The exposure pathways considered to be complete for Site 16 are presented in Table ES-1. The equations used to estimate exposures for each of the exposure pathways assessed for the site are presented in Attachment B.

2.2.4 Selection of Exposure Factor Values

All exposure factor values used in estimating intakes for the industrial scenario are described and referenced in Tables 4.1 through 4.11. The following guidance documents are used in defining exposure factor values for estimating intakes for exposure pathways evaluated at the site:

- *Risk Assessment Guidance for Superfund (RAGS) Volume I Human Health Evaluation Manual Part A.* (U.S. EPA 1989a).
- *Office of Solid Waste and Emergency Response (OSWER) Directive 9285.6-03; Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors."* (U.S. EPA 1991).
- *Exposure Factors Handbook, Volume I, General Factors.* (U.S. EPA 1997a).

[1] The intake factor is the product of all intake variables that, when multiplied by the concentration of the COPC in a specific medium, results in an estimate of the chemical intake in mg/kg-day for that population and exposure pathway. Intake factors may include ingestion rate, inhalation rate, body surface area exposed to soil or water, dermal permeability constants, and soil adherence factors.

- *Dermal Exposure Assessment: Principles and Applications.* (U.S. EPA 1992b).
- *Risk Assessment Guidance for Superfund, Volume 1: Human Health Evaluation Manual, Dermal Risk Assessment, Interim Guidance.* (U.S. EPA 1998b).

For all exposure pathways that have exposure factor values specified in RAGS Part A and in Office of Solid Waste and Emergency Response (OSWER) Directive 9285.6-03, those values are used in this risk assessment. For exposure values not specified in RAGS Part A or the OSWER Directive, the Region I Risk Update Number 2 (U.S. EPA 1994a) and the Exposure Factors Handbook (U.S. EPA 1997a) are used to determine appropriate exposure values, where available. U.S. EPA dermal guidance documents are also utilized (U.S. EPA 1992b, 1998b). All exposure factor values are provided in the Site 16 RI Work Plan (EA 2000) and are presented in the following sections.

The HHRA addresses the potential for site soils to be entrained into ambient air through wind erosion and other disturbances. To estimate COPC concentrations entrained from soil into ambient air, a particulate emission factor (PEF) was used. The PEF equation and calculations are provided in Attachment B (Table B-59) and are consistent with U.S. EPA Soil Screening Guidance (U.S. EPA 1996). Multiplication of the COPC concentration by the PEF yields a conservative estimation of ambient air concentrations.

2.2.4.1 Resident Adult

Exposure parameters for resident adult exposure are presented in Tables 4.1 (total soil) and 4.7 (ground water) and in the adult residential risk calculation tables in Attachment B. Body weight for the adult resident is assumed to be 70 kg. Under RME conditions, future adult residents are assumed to have an exposure duration of 24 years for carcinogenic risks, based on additivity with child carcinogenic risks, and an exposure duration of 30 years for non-carcinogenic risks. An exposure frequency of 150 days/year for soil and 350 days/year for ground water is assumed. Skin surface area available for contact with soil is assumed to be 8,000 square centimeters (cm^2), based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence factor of 0.07 mg/cm^2 is assumed based on the 1998 U.S. EPA Draft Dermal Guidance (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 100 mg/day. Incidental ingestion of ground water is assumed to be 2.3 L/day with an exposure frequency of 350 days/year. The skin surface area available for contact with ground water is assumed to be 22,000 cm^2, with an event time of 0.58 hour/day. The adult resident inhalation rate is assumed to be 0.625 cubic meters (m^3) per hour (U.S. EPA 1991) for 24 hour/day. The resident adult is also analyzed for inhalation of VOCs from showering. It is assumed that the resident adult takes 350 showers/year at 35 min/shower with an inhalation rate of 15 m^3/day.

Under CTE conditions, future adult residents are assumed to have an exposure duration of 9 years for carcinogenic risks, based on additivity with child carcinogenic risks, and an exposure duration of 30 years for non-carcinogenic risks. An exposure frequency of 150 days/year is assumed. Skin surface area available for contact with soil is assumed to be 6,200 cm^2, based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A

soil adherence factor of 0.01 mg/cm^2 is assumed based on the 1998 U.S. EPA Draft Dermal Guidance (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 50 mg/day. Incidental ingestion of ground water is assumed to be 1.4 L/day with an exposure frequency of 250 days/year. The skin surface area available for contact with ground water is assumed to be 18,200 cm^2, with an event time of 0.17 hour/day. The CTE adult resident inhalation rate for particulate is assumed to be 0.55 m^3/hour (U.S. EPA 1991) for 24 hour/day. For the CTE scenario, it is assumed that the resident adult takes 175 showers/year (one shower every other day) at 10 min/shower with an inhalation rate of 13.2 m^3/day.

2.2.4.2 Resident Child

Exposure parameters for resident child exposure are presented in Tables 4.2 (total soil) and 4.8 (ground water) and in the child residential risk calculation tables in Attachment B. Body weight for the child resident is assumed to be 15 kg. Under RME conditions, future child residents are assumed to have an exposure duration of 6 years with an exposure frequency of 150 days/year. Skin surface area available for contact with soil is assumed to be 3,600 cm^2, based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence value of 0.2 mg/cm^2 is assumed based on the 1998 U.S. EPA Draft Dermal Guidance (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 200 mg/day. Incidental ingestion of ground water is assumed at 1.5 L/day with an exposure frequency of 350 days/year. The skin surface area available for contact with ground water is assumed to be 10,500 cm^2, with an event time of 1 hour/day. The child resident inhalation rate for particulate is assumed to be 0.417 m^3/hour (U.S. EPA 1991) for 24 hour/day.

Under CTE conditions, future child residents are assumed to have an exposure duration of 2 years with an exposure frequency of 150 days/year. Skin surface area available for contact with soil is assumed to be 2,900 cm^2, based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence value of 0.06 mg/cm^2 is assumed based on the 1998 U.S. EPA Draft Dermal Guidance (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 100 mg/day. Incidental ingestion of ground water is assumed at 0.74 L/day with an exposure frequency of 250 days/year. The skin surface area available for contact with ground water is assumed to be 9,000 cm^2, with an event time of 0.33 hour/day. The child resident particulate inhalation rate is assumed to be 0.417 m^3/hour (U.S. EPA 1991) for 24 hour/day.

2.2.4.3 Adult Recreational User

Exposure parameters for adult recreational users are presented in Tables 4.3 (surface soil) and 4.10 (seep water) and in the pathway-specific adult recreational user risk calculation tables in Attachment B. Body weight is assumed to be 70 kg. Under RME conditions, future adult recreational users are assumed to have an exposure duration of 24 years. An exposure frequency of 96 days/year is assumed. Skin surface area available for contact with soil is assumed to be 8,000 cm^2 for adults based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence factor of 0.32 mg/cm^2 is assumed (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 100 mg/day for the adult recreational user. An

inhalation rate of 0.833 m^3/hr for 8 hours/day with an exposure frequency of 96 days/year is assumed for soil dust particulates. The adult recreational user is assumed to contact seep water present at Site 16. It is assumed that the adult recreational user ingested 0.05 L/day of seep water with an exposure frequency of 7 days/year. Skin surface area available for contact with seep water is assumed to be 6,700 cm^2 with an exposure time of 1 hour/day.

Under CTE conditions, future adult recreational users are assumed to have an exposure duration of 9 years. An exposure frequency of 48 days/year is assumed. Skin surface area available for contact with soil is assumed to be 6,200 cm^2 for adults based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence factor of 0.16 mg/cm^2 is assumed (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 50 mg/day for the adult recreational user. An inhalation rate of 0.833 m^3/hr for 4 hours/day with an exposure frequency of 48 days/year is assumed for soil dust particulates. For the CTE scenario, it is assumed that the adult recreational user ingested 0.03 L/day of seep water with an exposure frequency of 4 days/year. Skin surface area available for contact with seep water is assumed to be 5,000 cm^2 with an exposure time of 0.5 hour/day.

2.2.4.4 Child Recreational User

Exposure parameters for child recreational users are presented in Tables 4.4 (surface soil) and 4.11 (seep water) and in the pathway-specific child recreational user risk calculation tables in Attachment B. Body weight is assumed to be 15 kg. Under RME conditions, future child recreational users are assumed to have an exposure duration of 6 years. An exposure frequency of 96 days/year is assumed. Skin surface area available for contact with soil is assumed to be 3,600 cm^2 for children based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence factor of 0.32 mg/cm^2 is assumed (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 200 mg/day for the child recreational user. An inhalation rate of 0.833 m^3/hr for 10 hours/day with an exposure frequency of 96 days/year is assumed for soil dust particulates. The child recreational user is assumed to contact seep water present at Site 16. It is assumed that the child recreational user ingested 0.05 L/day of seep water with an exposure frequency of 7 days/year. Skin surface area available for contact with seep water is assumed to be 3,300 cm^2 with an exposure time of 1 hour/day.

Under CTE conditions, future child recreational users are assumed to have an exposure duration of 2 years. An exposure frequency of 48 days/year is assumed for children. Skin surface area available for contact with soil is assumed to be 2,900 cm^2 for children based on the 95th percentile values for feet, lower legs, hands, forearms, and head (U.S. EPA 1997a). A soil adherence factor of 0.16 mg/cm^2 is assumed (U.S. EPA 1997b). Incidental ingestion of soil is assumed to be 100 mg/day for the child recreational user. An inhalation rate of 0.833 m^3/hr for 4 hours/day with an exposure frequency of 48 days/year is assumed for soil dust particulates. For the CTE scenario, it is assumed that the child recreational user ingested 0.03 L/day of seep water with an exposure frequency of 4 days/year. Skin surface area available for contact with seep water is assumed to be 2,700 cm^2 with an exposure time of 0.5 hour/day.

2.2.4.5 Construction Worker

Exposure parameters for construction worker exposure are presented in Table 4.5 for total soil and Table 4.9 for ground water. Body weight for the construction worker is assumed to be 70 kg. Under RME conditions, future construction workers are assumed to have an exposure duration of 1 year with an exposure frequency of 160 days/year. Skin surface area available for contact with total soil during construction activities is assumed to be 3,800 cm^2, representing the 95th percentile value for head, hands, and forearms (U.S. EPA 1997a). A 0.3 mg/cm^2 adherence factor is assumed (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 480 mg/day. The RME inhalation rate is assumed to be 2.5 m^3/hour for total soil particulate over an exposure time of 8 hours per day. Incidental ingestion of ground water is assumed at 0.05 L/day with an exposure frequency of 160 days/year. The skin surface area available for contact with ground water is assumed to be 5,700 cm^2, with an event time of 8 hours/day.

Under CTE conditions, future construction workers are assumed to have an exposure duration of 1 year with an exposure frequency of 80 days/year. Skin surface area available for contact with total soil during construction activities is assumed to be 3,140 cm^2. A 0.1 mg/cm^2 adherence factor is assumed (U.S. EPA 1998b). Incidental ingestion of soil is assumed to be 100 mg/day. The CTE inhalation rate is assumed to be 1.5 m^3/hour for particulate over an exposure time of 8 hours/day. Incidental ingestion of ground water is assumed at 0.025 L/day with an exposure frequency of 80 days/year. The skin surface area available for contact with ground water is assumed to be 2,300 cm^2, with an event time of 8 hour/day.

2.2.4.6 Commercial Worker

Exposure parameters for commercial worker exposure are presented in Table 4.6 for surface soil for the commercial worker. Body weight for the commercial worker is assumed to be 70 kg. Under RME conditions, commercial workers are assumed to have an exposure duration of 25 years with an exposure frequency of 250 days/year. A surface soil ingestion rate of 50 mg/day is assumed. Dermal exposure to soil is based on 3,800 cm^2 surface area, representing the 95th percentile value for head, hands, and forearms (U.S. EPA 1989a). A 0.2 mg/cm^2 adherence factor is assumed (U.S. EPA 1998b). The RME inhalation rate is assumed to be 0.833 m^3/hour for particulate over an exposure time of 8 hours/day.

Under CTE conditions, commercial workers are assumed to have an exposure duration of 12 years with an exposure frequency of 150 days/year. A surface soil ingestion rate of 50 mg/day is assumed. CTE dermal exposure to surface soil is based on exposed 3,100 cm^2 surface area and 0.02 mg/cm^2 adherence factor. The CTE inhalation rate is assumed to be 0.833 m^3/hour for particulate over an exposure time of 4 hours/day.

2.3 TOXICITY ASSESSMENT

The toxicity assessment considers the types of potential adverse health affects associated with exposures to COPCs; the relationship between magnitude of exposure and potential adverse effects; and related uncertainties, such as the weight of evidence of a particular COPC's

carcinogenicity in humans. The toxicity assessment for COPCs relies on existing toxicity information developed on specific organic compounds and inorganic constituents. U.S. EPA Guidance (U.S. EPA 1989a) specifies that the assessment is accomplished in two steps: hazard identification and dose-response assessment.

Hazard identification is the process of determining whether studies claim that exposure to a COPC may cause the incidence of an adverse effect. U.S. EPA specifies that the dose-response assessment include: (1) U.S. EPA's quantitative evaluation of the existing toxicity information, and (2) U.S. EPA's characterization of the relationship between the dose of the COPC administered or received, and the incidence of potentially adverse health effects in the exposed population.

From this quantitative dose-response relationship, specific toxicity values are derived by U.S. EPA that can be used to estimate the incidence of potentially adverse effects occurring in humans at different exposure levels (U.S. EPA 1989a). These U.S. EPA-derived toxicity values are called RfDs for non-carcinogens and SFs for potential carcinogens.

The toxicity values used for COPCs at Site 16 are presented in Tables 5.1 and 5.2 for non-carcinogens and in Table 6.1 and 6.2 for carcinogens; related chemical-specific parameters are presented in Table 5.3. Toxicological profiles for each COPC are provided in Attachment C.

2.3.1 Toxicity Assessment for Non-Carcinogens

For all COPCs, toxicity values for non-carcinogens are taken, when available, from the Integrated Risk Information Systems (IRIS) database (U.S. EPA 2001b). IRIS chronic toxic potency concentrations are developed by U.S. EPA and undergo an extensive process of scientific peer review. Therefore, IRIS values are judged to be adequately verified.

If toxic potency concentrations for COPCs are not available from IRIS (U.S. EPA 2001b), health effects assessment summary tables (HEAST) (U.S. EPA 1997b) are used as a secondary data source. As HEAST toxicity values are not scientifically peer-reviewed for quality or scientific acceptability, they may not be derived in strict accordance with U.S. EPA-approved methodologies.

If IRIS or HEAST toxic potency concentrations are not available for one route of exposure but exist for another route, the existing value is examined for technical applicability to the alternate route and subsequently utilized, if appropriate.

The methodology used by U.S. EPA for deriving toxic potency concentrations for non-carcinogens, as well as site-specific considerations for modifying or using these concentrations, are discussed in detail in Barnes and Dourson (1988) and U.S. EPA guidance (U.S. EPA 1989a). Non-carcinogens are typically judged to have a threshold daily dose below which deleterious or harmful effects are unlikely to occur. This concentration is called the no-observed-adverse-effect-level (NOAEL) and may be derived from either animal laboratory experiments or human epidemiology investigations (usually workplace studies). In developing a toxicity value or

human NOAEL for non-carcinogens (i.e., an RfD), the regulatory approach is first to: (1) identify the critical toxic effect associated with chemical exposure (i.e., the most sensitive adverse effect); (2) identify the threshold dose in either an animal or human study; and (3) modify this dose to account for interspecies variability (where appropriate), differences in individual sensitivity (within-species variability), and other uncertainty and modifying factors.

Uncertainty factors are intended to account for specific types of uncertainty inherent in extrapolation from the available data. Modifying factors account for the concentration of confidence in the scientific studies from which toxicity values are derived, according to such parameters as study quality and study reproducibility. The use of these factors is a conservative approach to protection of human health and is likely to overestimate the toxic potency associated with chemical exposure. The resulting RfD is expressed in units of milligrams of chemical per kilogram of body weight per day (mg/kg-bw/day).

Toxicity values used for exposures that involve dermal contact with chemicals typically require adjustment of the oral toxicity values (oral RfDs) to allow for the difference between the daily intake dose through dermal contact and ingestion. Most toxicity values are based on the actual administered dose, and must be corrected for the percent of chemical-specific absorption that occurs across the gastrointestinal tract prior to their use in dermal contact risk assessment (U.S. EPA 1989a, 1992b, 1998b). Recommended oral absorption efficiency factors are utilized in converting oral toxicity values to dermal toxicity values. These factors are shown in Table 5.1.

2.3.2 Toxicity Assessment for Carcinogenicity

Unlike non-carcinogens, carcinogens are generally assumed to have no threshold; that is, there is presumed to be no level of exposure below which carcinogenic effects will not manifest themselves. This "non-threshold" concept supports the idea that there are small, finite probabilities of inducing a carcinogenic response associated with every level of exposure to a potential carcinogen. U.S. EPA uses a two-part evaluation for carcinogenic effects, which includes the assignment of a weight-of-evidence classification to a chemical based on a thorough scientific examination of the body of available data, and the quantification of a cancer toxic potency concentration; i.e., the slope factor, which reflects the dose-response data for the carcinogenic endpoint(s) (U.S. EPA 1989a).

The weight-of-evidence classification system assigns a letter or alphanumeric (A through E) to each potential carcinogen that reflects an assessment of its potential to be a human carcinogen.[2] Only compounds that have a weight-of-evidence classification of C or above are considered to have carcinogenic potential in this risk assessment.

[2]A = a known human carcinogen; B1 = a probable human carcinogen, based on sufficient animal data and limited human data; B2 = a probable human carcinogen based on sufficient animal data and inadequate or no human data; C = a possible human carcinogen; D = not classifiable as to human carcinogenicity; and E = evidence of non-carcinogenicity for humans.

Although currently a controversial approach, chemicals that are classified as human or rodent carcinogens are typically assumed to have no threshold, in that there is presumed to be no concentration of exposure below which carcinogenic effects will not be manifested. The U.S. EPA SF is the 95UCLM of the probability of response per unit daily intake of a chemical over a lifetime. Typically, the SF is used to estimate the upper-bound lifetime probability of a person developing cancer from exposure to a given concentration of a carcinogen. SFs are generally based on experimental animal data, unless suitable epidemiological studies are available. Due to the difficulty in detecting and measuring carcinogenic endpoints at low exposure concentrations, SFs are typically developed by using a model to fit the available high-dose, experimental animal data, and then extrapolating downward to the low-dose range to which humans are typically exposed. U.S. EPA usually employs the linear multistage model to derive a SF. The model is conservative, and provides an upper bound estimate of excess lifetime cancer risk. Thus, the actual risk may be lower and could be zero. These methods and approaches are discussed in greater detail in the U.S. EPA *Risk Assessment Guidance for Superfund* (U.S. EPA 1989a).

Carcinogenic SFs used for exposures that involve dermal contact typically require adjustment of the oral SF to allow for the difference between the dermal dose and the ingested dose. Most toxicity values are based upon the actual administered dose and must be corrected for the percent of chemical-specific absorption that occurs across the gastrointestinal tract prior to their use in dermal contact risk assessments (U.S. EPA 1989a). For inhalation exposures, inhalation SFs are developed if sufficient data are available.

2.3.3 Toxicity of Constituents of Potential Concern

Toxicity data available in the scientific literature are used to prepare a toxicity profile for each COPC. Each profile describes the potential for carcinogenicity and other health effects of each COPC, summarizes available data, presents a weight-of-evidence approach for identifying the hazards associated with chemical exposure to the COPC, and provides a scientific profile for selecting the most appropriate toxicity values (i.e., quantitative estimates of the strength of the dose-response) used later in the risk assessment.

A review of relevant toxicity data for each COPC is presented in Attachment C, along with a description of critical studies (i.e., studies from which the quantitative toxic potency values are derived). Toxicity values are obtained from the U.S. EPA IRIS (U.S. EPA 2001b), a peer-reviewed toxicity database. If toxicity values are not available from IRIS, values from the U.S. EPA HEAST (U.S. EPA 1997b) or from the National Center for Environmental Assessment (NCEA) are used.

2.3.3.1 Summary of Toxicity Values for Non-Carcinogenic Effects

U.S. EPA-derived toxicity values for evaluating potential chronic non-carcinogenic effects for COPCs are summarized in Tables 5.1 and 5.2. Toxicity information presented in these tables includes the following U.S. EPA-provided/derived information: chronic or subchronic RfD values for exposures via the oral and inhalation pathway; reported health effects, uncertainty and

modifying factors specific to the U.S. EPA-derived RfD; and the scientific source of the information.

2.3.3.2 Summary of Toxicity Values for Potential Carcinogenic Effects

U.S. EPA-derived toxicity values for evaluating potential carcinogenic effects for COPCs are summarized in Tables 6.1 and 6.2. Toxicity information presented in these tables includes the following U.S. EPA provided/derived information: a chemical-specific SF (cancer potency factor) for exposures via the oral and inhalation pathway; U.S. EPA's weight-of-evidence cancer classification; and the scientific source of the information.

2.4 RISK CHARACTERIZATION

Risk characterization is the final step of the HHRA process. In this step, the toxicity values are combined with the estimated chemical intakes for the receptor populations to quantitatively estimate both carcinogenic and non-carcinogenic risks. Risks are estimated for the following receptor populations: residents (adult and child), adult recreational users, child recreational users, construction workers, and commercial workers.

The methodologies used to estimate cancer risks and chronic and subchronic risks for non-carcinogens are described further in the sections below.

2.4.1 Hazard Quotient and Hazard Index for Non-Carcinogenic Effects

The potential human health risks associated with exposures to non-carcinogenic COPCs at Site 16 are estimated by comparing the NCADI with the RfD, as per U.S. EPA Guidance (U.S. EPA 1989a). A hazard quotient (HQ) is derived for each COPC, as shown in the equation below:

$$HQ = \frac{NCADI}{RfD} \qquad \text{(Equation 4)}$$

where:

HQ	=	Hazard quotient; ratio of average daily intake level to acceptable daily intake level (unitless)
NCADI	=	Estimated non-carcinogenic average daily dose (mg/kg-day)
RfD	=	Reference dose (mg/kg-day)

If the average daily dose exceeds the RfD, then the HQ will exceed a ratio of 1.0 and there may be concern that potential adverse systemic health effects will be observed in the exposed populations. If the NCADI does not exceed the RfD, the HQ will not exceed 1.0 and there will be no concern that potential adverse systemic health effects will be observed in the exposed populations. However, if the sum of several HQs exceeds 1.0, and the COPCs affect the same target organ, there may be concern that potential adverse systemic health effects will be observed

in the exposed populations. In general, the greater the value of the HQ above 1.0, the greater the level of concern. However, the HQ does not represent a statistical probability that an adverse health effect will occur.

For consideration of exposures to more than one chemical causing systemic toxicity via several different pathways, the individual HQs are summed to provide an overall Hazard Index (HI). If the HI is less than 1.0, then no adverse health effects are likely to be associated with exposures at the site. However, if the total HI is greater than 1.0, separate endpoint-specific HIs may be calculated based on toxic endpoint of concern or target organ (e.g., HQs for neurotoxins are summed separately from HQs for renal toxins). Only if an endpoint-specific HI is greater than 1.0 is there reason for concern about potential health effects for that endpoint.

2.4.2 Cancer Risks

Carcinogenic risk is estimated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen at the site. The numerical estimate of excess lifetime cancer risk is calculated by multiplying the CADI by the risk per unit dose (the SF), as shown in the following equation:

$$Risk = CADI \times SF \qquad \text{(Equation 5)}$$

where:

Risk	=	The unitless probability of an exposed individual developing cancer
CADI	=	Lifetime cancer average daily dose (mg/kg-day)
SF	=	Cancer slope factor $(mg/kg\text{-}day)^{-1}$

Because the SF is the statistical 95th percent upper-bound confidence limit on the dose-response slope, this method provides a conservative, upper-bound estimate of risk.

It should be noted that the interpretation of the significance of the cancer risk estimate is based on the appropriate public policy. U.S. EPA in the National Oil and Hazardous Substance Pollution Contingency Plan (NCP) (40 Code of Federal Regulations [CFR] Part 300) (U.S. EPA 1990) states that:

> *"...For known or suspected carcinogens, acceptable exposure levels are generally concentration levels that represent an excess upper bound lifetime cancer risk to an individual of between 10^{-4} and 10^{-6}."*

2.5 RESULTS

Chemical-specific, pathway-specific risk estimates are presented by receptor group in Attachment B. Risk characterization equations and calculations are also presented in these tables. Estimates of cumulative risks across pathways for non-carcinogenic and carcinogenic

effects for each receptor population are presented in Tables 9.1 through 9.10. A summary of the risk drivers for each pathway are presented for the RME scenario in Tables 10.1 through 10.5.

Lead risks were evaluated using U.S. EPA's blood-lead level models for residents and workers. Lead risks are discussed in Subsection 2.5.6.

2.5.1 Residential Results

Site 16 residential results are presented in Tables 9.1 for the CTE scenario and 9.6 for the RME scenario. A summary of the risk drivers for the RME scenario is provided in Table 10.1. Non-carcinogenic and cancer risks for potential total soil and ground-water exposure are evaluated.

The residential adult cumulative HIs across all pathways are 19 for the CTE scenario and 47 for the RME scenario, respectively. For total soil, the HIs are 0.017 for CTE and 0.037 for RME. The cumulative HIs for ground water are 19 and 47 for CTE and RME, respectively. COPCs with a ground-water HQ exceeding 1.0 are manganese and TCE. The analysis by target organ (Table 10.1) indicates that the HIs for the central nervous system, liver, and kidney exceed 1.0. This is based entirely on the ground-water pathway results.

The residential child cumulative HIs across all pathways are 49 for the CTE scenario and 150 for the RME scenario, respectively. For total soil, the HIs are 0.16 for CTE and 0.34 for RME. The cumulative HIs for ground water are 49 and 150 for CTE and RME, respectively. COPCs with a ground-water HQ exceeding 1.0 are barium, manganese, *cis*-1,2-DCE and TCE. The analysis by target organ (Table 10.1) indicates that the HIs for the central nervous system, liver, and kidney all exceed 1.0. This is based entirely on the ground-water pathway results.

Carcinogenic risks for the residential scenario are combined for the adult and child resident receptors to assess potential lifetime risks. Cancer risks for the residential scenario are 3.1×10^{-4} and 2.1×10^{-3} for CTE and RME, respectively. Cancer risks for total soil are 5.9×10^{-6} and 3.8×10^{-5} for CTE and RME, respectively. Cumulative cancer risks for total soil did not exceed U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} (Table 10.1). Cancer risks for ground water are calculated as 3.0×10^{-4} for CTE and 2.0×10^{-3} under the RME. Residential risks are within the U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} (Table 10.1) for total soil but exceeded the range for ground water for the combined adult and child receptor. COPCs with risks exceeding 10^{-6} included the dioxin-toxic equivalent (TCDD-TEQ), arsenic, benzo(a)pyrene and dibenz(a,h)anthracene in soil and bis(2-ethylhexyl)phthalate, 1,4-dichlorobenzene, 1,1,2-trichlorethane, 1,2-dichloroethane, benzene, TCE, and vinyl chloride in ground water.

Potential residential lead risks are discussed in Subsection 2.5.6.

2.5.2 Adult Recreational User Results

Adult recreational user results are presented in Table 9.2 for the CTE scenario and Table 9.7 for the RME scenario. A summary of the risk drivers for the RME scenario is provided in

Table 10.2. Non-carcinogenic and cancer risks for surface soil and seep water exposure are evaluated.

The adult recreational user cumulative HIs across all pathways are 0.005 for the CTE scenario and 0.02 for the RME scenario, respectively. For surface soil, the HIs are 0.003 for CTE and 0.014 for RME. The cumulative HIs for seep water are 0.0014 and 0.007 for CTE and RME, respectively.

Cancer risks for the adult recreational user scenario are 5.1×10^{-7} and 6.4×10^{-6} for CTE and RME, respectively. Cancer risks for surface soil are 5.1×10^{-7} and 6.3×10^{-6} for CTE and RME, respectively. Cancer risks for seep water are calculated as 2.8×10^{-9} for CTE and 4.6×10^{-8} under the RME. Adult recreational user risks are within the U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} (Table 10.2).

Potential recreational lead risks are discussed in Subsection 2.5.6.

2.5.3 Child Recreational User Results

Site 16 child recreational user results are presented in Table 9.3 for the CTE scenario and Table 9.8 for the RME scenario. A summary of the risk drivers for the RME scenario is provided in Table 10.1. Non-carcinogenic and cancer risks for potential surface soil and seep water exposure are evaluated.

The child recreational user cumulative HIs across all pathways are 0.031 for the CTE scenario and 0.13 for the RME scenario, respectively. For surface soil, the HIs are 0.026 for CTE and 0.11 for RME. The cumulative HIs for seep water are 0.004 and 0.021 for CTE and RME, respectively.

Cancer risks for the child recreational user scenario are 5.8×10^{-7} and 7.4×10^{-6} for CTE and RME, respectively. Cancer risks for surface soil are 5.7×10^{-7} and 7.3×10^{-6} for CTE and RME, respectively. Cancer risks for seep water are calculated as 2.4×10^{-9} for CTE and 4.6×10^{-8} under the RME. Child recreational user risks are within the U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} (Table 10.3).

Potential recreational lead risks are discussed in Subsection 2.5.6.

2.5.4 Construction Worker Results

Site 16 construction worker results are presented in Table 9.4 for the CTE scenario and Table 9.9 for the RME scenario. A summary of the risk drivers for the RME scenario is provided in Table 10.4. Non-carcinogenic and cancer risks for potential total soil and ground-water exposure are evaluated.

The construction worker cumulative HIs across all pathways are 1.5 for the CTE scenario and 7.3 for the RME scenario, respectively. For total soil, the HIs are 0.01 for CTE and 0.09 for RME. The cumulative HIs for ground water are 1.5 and 7.2 for CTE and RME, respectively. The only COPCs with HQs exceeding 1.0 are manganese and TCE in ground water. Target organs exceeding the 1.0 benchmark are central nervous system, liver and kidney, based on the ground-water pathway (Table 10-4).

Carcinogenic risks for the construction worker scenario are 1.3×10^{-6} and 7.2×10^{-6} for CTE and RME, respectively. Cancer risks for total soil are 2.4×10^{-7} and 2.3×10^{-6} for CTE and RME, respectively. Cancer risks for ground water are calculated as 1.0×10^{-6} for CTE and 5.0×10^{-6} under the RME. TCE in ground water and the TCDD-TEQ in surface soil had cancer risks exceeding 10^{-6}. Cumulative cancer risks for the construction worker did not exceed U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} (Table 10.4).

Potential construction worker lead risks are discussed in Subsection 2.5.6.

2.5.5 Commercial Worker Results

Site 16 commercial worker results are presented in Table 9.5 for the CTE scenario and Table 9.10 for the RME scenario. A summary of the risk drivers for the RME scenario is provided in Table 10.5. Non-carcinogenic and cancer risks for potential surface soil exposure are evaluated.

The commercial worker cumulative HIs for surface soil are 0.003 for the CTE scenario and 0.006 for the RME scenario, respectively.

Carcinogenic risks for the commercial worker scenario are 9.2×10^{-7} and 6.2×10^{-6} for CTE and RME, respectively. TCDD-TEQ, arsenic, benzo(a)pyrene, and dibenz(a,h)anthracene had cancer risks exceeding 10^{-6}. Cumulative cancer risks for the construction worker did not exceed U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4}.

2.5.6 Lead

According to U.S. EPA, lead is classified as a B2-probable human carcinogen. However, there is no U.S. EPA value for use as a SF in quantifying cancer risks. In the absence of any U.S. EPA-published toxicity values for lead, it is currently not possible to perform a quantitative risk estimate for lead exposures using standard U.S. EPA methodology. The current U.S. EPA guidance sets forth an interim soil cleanup level for total lead at 400 parts per million (ppm) (U.S. EPA 1989b) which is considered "protective for direct contact at residential settings." According to U.S. EPA, this guidance adopts the recommendation in the 1985 Centers for Disease Control (CDC) statement on childhood lead poisoning and is to be followed when the current or future land use is residential. The recommendation states that "...lead in soil and dust appears to be responsible for blood levels in children increasing above background levels when the concentration in soil or dust exceeds 500 to 1,000 ppm..."

2.5.6.1 Residential Lead Risks

Infants and young children are the most vulnerable populations exposed to lead and have been the focus of U.S. EPA's risk assessment efforts. The relatively high vulnerability of infants and children results from a combination of factors: (1) an apparent intrinsic sensitivity of developing organs to lead; (2) behavioral characteristics that increase contact with lead from soil and dust (e.g., mouthing behavior); (3) various physiologic factors resulting in a greater deposition of airborne lead in the respiratory tract and greater absorption efficiency from the gastrointestinal tract in children than in adults; and (4) transplacental transfer of lead that establishes a lead burden in the fetus, thus increasing the risk associated with additional exposure during infancy and childhood.

For resident children, the risks associated with lead were estimated using the U.S. EPA Integrated Exposure Uptake Biokinetic (IEUBK) Model. The IEUBK Model is used to estimate blood lead concentrations resulting from exposure to environmental sources. This method has been suggested by the U.S. EPA Office of Air Quality Planning and Standards (OAQPS) Staff Report (U.S. EPA 1989b). The IEUBK Model is a three-stage method for estimating total blood lead levels. First, the intake of lead from each source is assessed. Second, the uptake of lead from each source is determined. Finally, the relationship between the uptake of lead and blood lead concentration is applied using the "Integrated Metabolic Model for Humans of All Ages," as revised by Harley and Kneip (1985).

The Harley and Kneip model incorporates total uptake of lead derived from all exposures and the distribution of lead to the four body compartments (blood, bone, liver, and kidney) in which 95 percent of the lead is found. The model was developed based on the distribution and equilibrium of stable lead and a naturally occurring radioactive lead isotope in the bodies of infant and child baboons, and in humans during continuous lead exposure. Model validation has been performed by using data collected from lead smelter sites, by using experimental data on blood lead concentrations in infants, and by studies of lead accumulation in bones under controlled conditions in adults (U.S. EPA 1989b). The model predicts a linear increase in blood lead with increasing lead uptake. However, above a blood lead concentration of 30 μg/dL (microgram/deciliter), the relationship is not linear (U.S. EPA 1989b). Therefore, this model may only be applied for moderately low lead uptakes.

U.S. EPA has created a software program of the IEUBK Model, for predicting blood lead levels in children ages 0 to 84 months, for use on a personal computer. The most current software is LEAD version 0.99D (LEAD99D). LEAD99D is used in this assessment for estimating blood lead levels in children at this site. Standard default values used as input parameters for the model are described in U.S. EPA Guidance (U.S. EPA 1994b). The model output is a probability distribution function describing the percentage of children predicted to have blood levels exceeding 10 μg/dL. More specific information on this model is contained in U.S. EPA Guidance (U.S. EPA 1994b).

The arithmetic average for lead in total soil at Site 16 is 160 mg/kg. The RME EPC for lead in ground water is 3.63 micrograms per liter (μg/L) based on the arithmetic average. The IEUBK

Model is run using the average total soil concentration as soil/dust intake and the drinking water concentration as the ground-water lead arithmetic average. Average lead concentrations were used in estimating lead risks as prescribed by U.S. EPA (U.S. EPA 1994b). All other factors are run as the default model values. Results are presented in Table 7.1. The probability distribution function is presented in Figure B-1 of Attachment B. Based on the IEUBK Model, less than one percent of the population is estimated below the target of 10 μg/dL (Figure B-1). More than 99 percent of the population is predicted to have blood lead levels less than 10 μg/dL. Lead was not selected as a COPC in surface soil. There are no concerns for adverse health effects resulting from exposure to lead in soil or ground water.

2.5.6.2 Recreational Lead Risks

Based on the conservative nature of the assumptions in the IEUBK Model, the model is also protective for a recreational scenario. The IEUBK Model is run using the average total soil concentration as soil/dust intake and the drinking water concentration as the seep water arithmetic average (13.1 μg/L). Total soil was used instead of surface soil as a conservative measure because lead was not a COPC in surface soil. The modeling of seep water as drinking water is highly conservative and is only performed in an attempt to demonstrate that lead concentrations in seep water do not pose a threat even under the most extreme exposure scenario. In an effort to reduce the large overestimation of risks inherent in the model assumption that seep water will be used as drinking water, one-half of the model assumed drinking water intake rates are used. Average lead concentrations were used in estimating lead risks as prescribed by U.S. EPA (U.S. EPA 1994b). All other factors are run as the default model values. Results are presented in Table 7.2. The probability distribution function is presented in Figure B-2. Based on this conservative run of the IEUBK Model, less than one percent of the population is estimated below the target of 10 μg/dL (Figure B-2). Given that the model results were less than the 10 μg/dL threshold and that this modeling scenario is based on a residential scenario and is so conservative, there are no concerns for adverse health effects resulting from recreational exposure to lead in seep water.

2.5.6.3 Worker Lead Risks

In addition to estimating lead risks for children, the U.S. EPA Technical Review Workgroup for Lead (TRW) has developed a model to predict blood-lead levels in adult workers (U.S. EPA 1996). This model was run to assess potential workers under a commercial setting. Model default parameters were used to predict blood lead impacts for female workers and their potential children at the site. This model was run to assess potential total soil exposure for the construction worker scenario. The exposure assumptions used for a potential construction worker are shown in Table 8. Risks to a commercial worker were not assessed because lead was not selected as a COPC in surface soil; therefore, lead risk is not of concern under the commercial worker scenario.

The arithmetic average in total soil at Site 16 was utilized in the Adult Lead Model to evaluate the construction worker scenario. Model results are presented in Table 8. Potential risks to lead exposure under the construction worker are negligible.

2.6 UNCERTAINTY ASSESSMENT

There are numerous uncertainties involved in the human health risk assessment process. These are discussed briefly in the following sections.

2.6.1 Sampling and Analysis Uncertainties

The sampling plan can have a significant impact on the results obtained in calculating human health risks at a site. To the extent that samples are taken in areas that are expected to be contaminated (biased sampling), the exposure point concentration used in calculating risk exposures and risks is likely to overestimate the actual concentration encountered at the site from random exposure across the site. This sampling bias will generally result in an overestimate of exposures and risks at a site. The soil sampling at the study areas incorporated a combination of random and biased samples. As the majority of soil samples collected are biased toward potentially contaminated areas, the measured concentrations and calculated health risks would tend to be overestimated.

Analysis uncertainty may be introduced due to laboratory contamination or error. Common laboratory contaminants include phthalates and chloroform. Bis(2-ethylhexyl)phthalate and chloroform were included as COPCs in ground water based on their detection above tap water screening values. Although it is possible that these chemicals were detected due to laboratory contamination, these chemicals were included as a conservative measure. Chemicals that are common laboratory contaminants may not be site-related and their inclusion as COPCs tends to bias risk calculations high.

Additional uncertainty lies in the HHRA evaluation of 1,2-DCE. Both *cis*- and total-1,2-DCE were quantitatively assessed as COPCs, although this may double count the potential effects of *cis*-1,2-DCE. The analytical method used to determine the concentrations of *cis*- and *trans*-1,2-DCE was U.S. EPA SW846 8260B. Total 1,2-DCE was determined based on a rounded summation of the *cis*- and *trans*- concentrations by the laboratory. Based on the detection in some samples of the *cis*- isomer at greater concentrations than the total, both *cis*- and total- were assessed in the HHRA to be conservative. However, quantification of risks of both *cis*- and total-1,2-DCE is quite conservative and may overestimate risks.

2.6.2 Uncertainties Analysis of Exposure Assessment

An analysis of uncertainties is an important aspect of the exposure assessment. It provides the risk assessor and reviewer with information relevant to the individual uncertainties associated with exposure factor assumptions and their potential impact on the final assessment.

2.6.2.1 Exposure Point Concentrations

A significant uncertainty exists with the basic approach used in arriving at EPCs for the COPCs in surface and total soils.

Uncertainty results from the use of one-half detection limit for all non-detects. An objective of the guidance is to include some quantitative value for COPCs when analytical data indicate that those COPCs are not detected, so that an estimated potential intake and resultant potential risk can be calculated. This approach is referenced in *Risk Assessment Guidance for Superfund (Volume 1), Human Health Evaluation Manual* (U.S. EPA 1989a). However, this approach generally overestimates the average value, and results in overestimates of intakes and subsequent risks, particularly for COPCs with low frequencies of detection.

Inorganic constituents occur naturally in the environment. It is likely that detected concentrations of some inorganic constituents are not associated with site use and are at naturally occurring levels. Therefore, it is probable that some of the calculated risks are contributed by naturally occurring background concentrations of inorganics in site soil and are not the result of activities at the site.

Additional uncertainty exists for samples with elevated detection limits. For samples with elevated detection limits for a chemical that was not detected, use of one-half the detection limit as a surrogate value introduces greater uncertainty in the quantification of these samples. Based on the greater lack of certainty in the actual concentration of the chemical in these samples, bias may be either high or low. This potential uncertainty is also present in the calculation of statistics for each chemical, such as the arithmetic average or the 95UCLM. However, as these statistical measures are based on all samples analyzed for a chemical, the uncertainty associated with one or a few samples is minimized by the inclusion of the rest of the data.

2.6.2.2 Soil Ingestion Rate

Soil ingestion rates for construction workers are based on studies performed by Hawley (1985). These are short-term studies, and as they are not based on average long-term exposures, they represent an overestimate of exposure.

2.6.3 Uncertainties of Toxicity Assessment

There are numerous uncertainties associated with the toxicity assessment. These are generally due to the unavailability of data to thoroughly calculate the toxicity of COPCs. These are described in more detail in the following sections.

2.6.3.1 Uncertainties Associated With Non-Carcinogenic Effects

Interspecies Extrapolation – The majority of toxicological information comes from experiments with laboratory animals. Experimental animal data have been relied on by regulatory agencies to assess the hazards of human chemical exposures. Interspecies differences in chemical absorption, metabolism, excretion, and toxic response are not well understood; therefore, conservative assumptions are applied to animal data when extrapolating to humans. These probably result in an overestimation of toxicity.

Intraspecies Extrapolation – Differences in individual human susceptibilities to the effects of chemical exposures may be caused by such variables as genetic factors (e.g., glucose-6-phosphate dehydrogenase deficiency), lifestyle (e.g., cigarette smoking and alcohol consumption), age, hormonal status (e.g., pregnancy), and disease. To take into account the diversity of human populations and their differing susceptibilities to chemically induced injury or disease, a safety factor is used. U.S. EPA uses a factor between 1 and 10. This uncertainty may lead to overestimates of human health effects at given doses.

Exposure Routes – When experimental data available on one route of administration are different from the actual route of exposure that is of interest, route-to-route extrapolation must be performed before the risk can be assessed. Several criteria must be satisfied before route-to-route extrapolation can be undertaken. The most critical assumption is that a chemical injures the same organ(s) regardless of route, even though the injury can vary in degree. Another assumption is that the behavior of a substance in the body is similar by all routes of contact. This may not be the case when, for example, materials absorbed via the gastrointestinal tract pass through the liver prior to reaching the systemic circulation, whereas by inhalation the same chemical will reach other organs before the liver. However, when data are limited these extrapolations are made, and may result in overestimates of human toxicity.

2.6.3.2 Uncertainties Associated With Carcinogenic Effects

Interspecies Extrapolation – The majority of toxicological information for carcinogenic assessments comes from experiments with laboratory animals. There is uncertainty about whether animal carcinogens are also carcinogenic in humans. While many chemical substances are carcinogenic in one or more animal species, only a very small number of chemical substances are known to be human carcinogens. The fact that some chemicals are carcinogenic in some animal species but not in others raises the possibility that not all animal carcinogens are human carcinogens. Regulatory agencies assume that humans are as sensitive to carcinogens as the most sensitive animal species. This policy decision, designed to prevent underestimation of risk, introduces the potential to overestimate carcinogenic risk.

High-Dose to Low-Dose Extrapolation – Typical cancer bioassays provide limited low-dose data on responses in experimental animals for chemicals being assessed for carcinogenic or chronic effects. The usual dose regime involves three dose groups per assay. The first dose group is given the highest dose that can be tolerated, the second is exposed to one-half that dose, and the third group is unexposed (control group) (National Research Council [NRC] 1983). Because this dosing method does not reflect how animals would react to much lower doses of a chemical, a dose-response assessment normally requires extrapolation from high to low doses using mathematical modeling that incorporates to varying degrees information about physiologic processes in the body (NRC 1983).

A central problem with the low-dose extrapolation models is that they all too often fit the data from animal bioassays equally well, and it is not possible to determine their validity based on goodness of fit. Several models may fit experimental data equally well, but they may not all be equally plausible biologically. The dose-response curves derived from different models diverge

substantially in the dose range of interest (NRC 1983). Therefore, low-dose extrapolation is more than a curve-fitting process and considerations of biological plausibility of the models must be taken into account before choosing the best model for a particular set of data.

2.6.4 Uncertainties in Risk Characterization

Uncertainties in the risk characterization can stem from the inherent uncertainties in the data evaluation, the exposure assessment process, including any modeling of exposure point concentrations in secondary media from primary media, and the toxicity assessment process. The individual uncertainties in these respective processes are addressed previously, in the previous sections.

Uncertainty may also stem from the inclusion of chemicals that are detected at low frequencies. Chemicals that are infrequently detected may be artifacts in the data due to sampling, analytical, or other problems. Therefore, these chemicals may not be related to site operations or disposal practices. When considering Site 16 data in the context of detection frequency, it is evident that several COPCs in ground water may not be site related. 1,4-Dichlorobenzene (one detect), chloroform (two detects), and vinyl chloride (two detects) were not detected at greater than 5 percent (out of a significant sample size of 41). Inclusion of these chemicals in the quantitative risk estimates is likely to bias the results high because these chemicals may not truly be site-related.

Uncertainty may also stem from the exclusion of chemicals that are detected at levels consistent with or below background. While exclusion of such chemicals may bias the calculated risk low, chemicals that are present naturally or due to widespread anthropogenic use (e.g., polycyclic aromatic hydrocarbons [PAHs]) may not be site-related. In this assessment, only arsenic in ground water was excluded based on comparison to background.

Arsenic is a naturally occurring element and is present at the site at levels consistent with background. The Site 16 EPC (maximum detect is 2.8 μg/L) arsenic ground-water concentration is significantly less than the U.S. EPA proposed new Maximum Contaminant Level (MCL) (10 μg/L) for arsenic. Additionally, Site 16 is in an area classified as a GB aquifer by RIDEM, and ground water is not used as tap water. The Navy screened out arsenic as a COPC in ground water for the quantitative human health baseline risk assessment due to detected concentrations being less than relevant background ground-water concentrations (in accordance with CNO Policy, September 2002) and due to a low frequency of detection across the site. While U.S. EPA disagrees with screening out chemicals as COPCs due to background concentrations, U.S. EPA does agree with the screening out of arsenic as a COPC at Site 16 due to a low frequency of detection for the Site 16 Phase I RI HHRA. Any potential CTE and RME risk from consumption of ground water with background arsenic is not assessed.

Inorganic soil background values were not available for the site and, therefore, arsenic was treated as a COPC in soil.

The uncertainty associated with the background screening of arsenic in ground water is bounded by the conservative nature of the risk-based screening value (PRG). The RME EPC value of 2.8 µg/L is higher than the risk-based screening value; however, it should be noted that the risk based screening value is quite conservative. The risk-based screening value (tap water PRG) is based on the assumption that ground water will be ingested regularly in a residential setting as tap water. This is very conservative for Site 16, given that ground water is not used as potable water.

In addition, as noted in Subsection 2.1.4, arsenic was detected in only 2 of 42 ground water samples. The maximum (and average detected value) of arsenic detected in ground-water is 2.8 µg/L, which is below the background value of 6.4 µg/L. Therefore, the uncertainty associated with the exclusion of arsenic as a ground water COPC is minimal.

Uncertainties associated with the probability of adverse impacts to human health can also be evaluated by examining the relative risk estimated for CTE and upper bound RME scenarios. This type of simple probability analysis is often useful to risk managers who must balance baseline risk estimates with the expected costs and benefits of remedial activities.

2.7 SUMMARY AND CONCLUSIONS

The risk assessment is conducted to assess potential non-carcinogenic effects and cancer risks from residential, recreational, and commercial/industrial scenarios for environmental media of concern at Site 16. Soil (surface and total), seep water, and ground water were assessed for potential human exposure as depicted in Figure ES-2 and Table ES-1.

2.7.1 Non-Carcinogenic Risks

Non-carcinogenic risks exceed the U.S. EPA threshold of 1.0 for residents (adult and child) and construction workers; non-carcinogenic risks do not exceed 1.0 for recreational users (adult and child) and commercial worker. The risks exceeding the threshold are driven entirely by the ground water exposure pathways.

Cumulative HIs are calculated as less than the 1.0 threshold for surface soil (commercial workers, adult recreational user, and child recreational user) and total soil (construction workers, child residents, and adult residents). Cumulative HIs are also less than the 1.0 threshold for seep water (adult recreational user, child recreational user) exposure. Thus, non-carcinogenic risk for all receptors to soil and seep water is acceptable.

Cumulative HIs for ground water (construction workers, child residents, and adult residents) are calculated above the 1.0 threshold. COPCs with HQs above 1.0 in ground water are barium, manganese, *cis*-1,2-DCE and TCE. A breakdown by target organ indicates that the central nervous system, liver, and kidney exceed the 1.0 threshold indicating unacceptable non-carcinogenic risks for residential and construction worker exposure to ground water.

2.7.2 Carcinogenic Risks

Cumulative cancer risks for residential receptors exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4}, driven by the ground-water exposure pathways. Combined adult and child resident risks for ground-water are 2.1×10^{-3} and 2.6×10^{-4} for RME and CTE, respectively. Cumulative cancer risks for total soil are within U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4}. The combined adult and child resident risks for total soil are 3.8×10^{-5} and 5.9×10^{-6} for RME and CTE, respectively. Therefore, there are no concerns for cancer effects for residential exposure to total soil.

There are no cancer risks that exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} for recreational users. The only COPCs with risks greater than 10^{-6} in surface soil are dioxin, benzo(a)pyrene, and dibenz(a,h)anthracene. RME cumulative risks for the adult and child recreational users are 6.4×10^{-6} and 7.4×10^{-6}, respectively. Therefore, there are no concerns for cancer effects for recreational users.

There are no cancer risks that exceeded U.S. EPA's "acceptable risk range" of 10^{-6} to 10^{-4} for industrial receptors. Both the construction and commercial workers had cumulative risks exceeding 10^{-6}. Risks are calculated as 7.2×10^{-6} for RME and 1.3×10^{-6} for CTE for construction workers. Risks are calculated as 6.2×10^{-6} for RME and 9.2×10^{-7} for CTE for commercial workers. In both cases, cumulative risks are below 10^{-5}. Therefore, there are no concerns for cancer effects for construction or commercial workers.

2.7.3 Lead Risks

In addition, lead is evaluated for total soil, ground water and seep water. Blood lead levels are the indicators of excess lead exposure in humans. Modeled blood level results are compared to the established cutoff value or acceptable threshold of 10 μg lead/dL. This blood level is considered protective of human health for children. Lead modeling is performed for residential, recreational, and worker scenarios. Blood lead level modeling results are below 10 μg lead/dL blood for the child resident scenario, indicating that there is no concern for adverse effects from site exposure to lead in soils and ground water. This scenario provides the most conservative estimate of risks for lead and is, therefore, protective of recreational and worker exposure scenarios. However, potential risks from recreational exposure are also modeled using conservative residential assumptions for soil and conservative recreational assumptions for seep water, indicating no unacceptable risks. Likewise the construction worker scenario is evaluated for exposure to total lead in soil; the results indicate no unacceptable risks.

3. CONCLUSIONS

EA Engineering, Science, and Technology prepared this HHRA for the EFANE to assess potential risks associated with human exposure to Site 16. This HHRA is submitted as an appendix to the Phase I RI for Site 16.

Risks were evaluated for site soil, seep water, and ground water for potential human receptors. Receptor-specific pathways are detailed in the conceptual site model presented in Figure ES-2 and Table ES-1. Non-carcinogenic risks, carcinogenic risks, and potential lead exposure risks were all evaluated. Potential risks associated with ground-water exposure for the residential (adult and child) scenario (Table 10.1) and the construction worker scenario (Table 10.4) were unacceptable for non-carcinogenic risk and were unacceptable for the residential scenario for carcinogenic risk. These risks were driven by manganese and TCE in ground water.

Potential risks for all other evaluated media for all evaluated receptors were acceptable. Therefore, there are no concerns for human exposure to site soil and seep water. Blood-lead level modeling indicated that exposure to lead is not of concern at the site for any of the evaluated receptors in any of the evaluated media.

RIDEM disagrees with some of the methodologies used in this Phase I RI risk assessment. Additional ground-water and soil data will be collected as part of the Phase II RI. This data will be used to develop a Phase II RI risk assessment. The Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.

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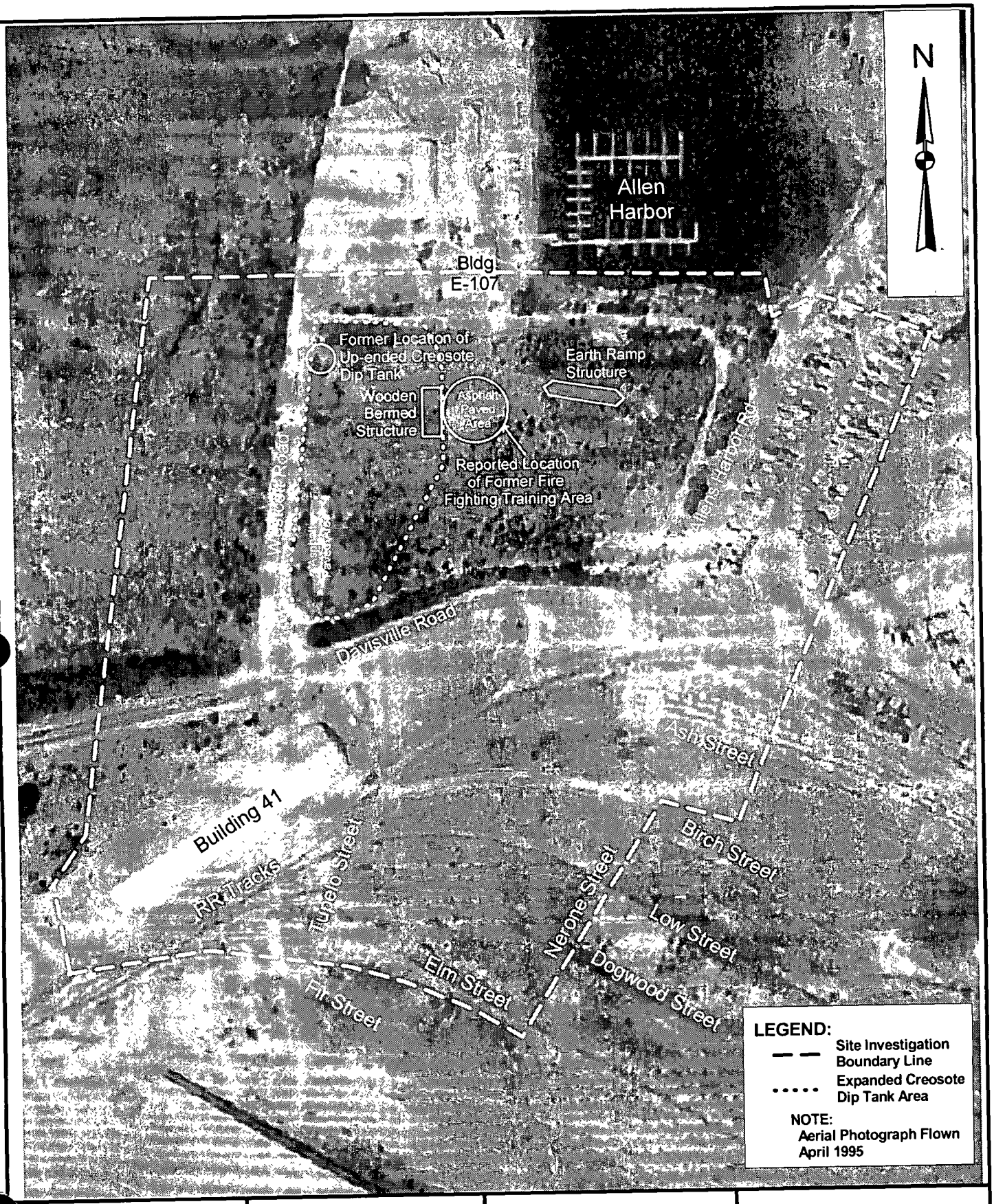

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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EFANE
IR Program Site 16
Human Health Risk Assessment
Former NCBC Davisville Facility
North Kingstown, Rhode Island

SITE MAP

FIGURE ES-1

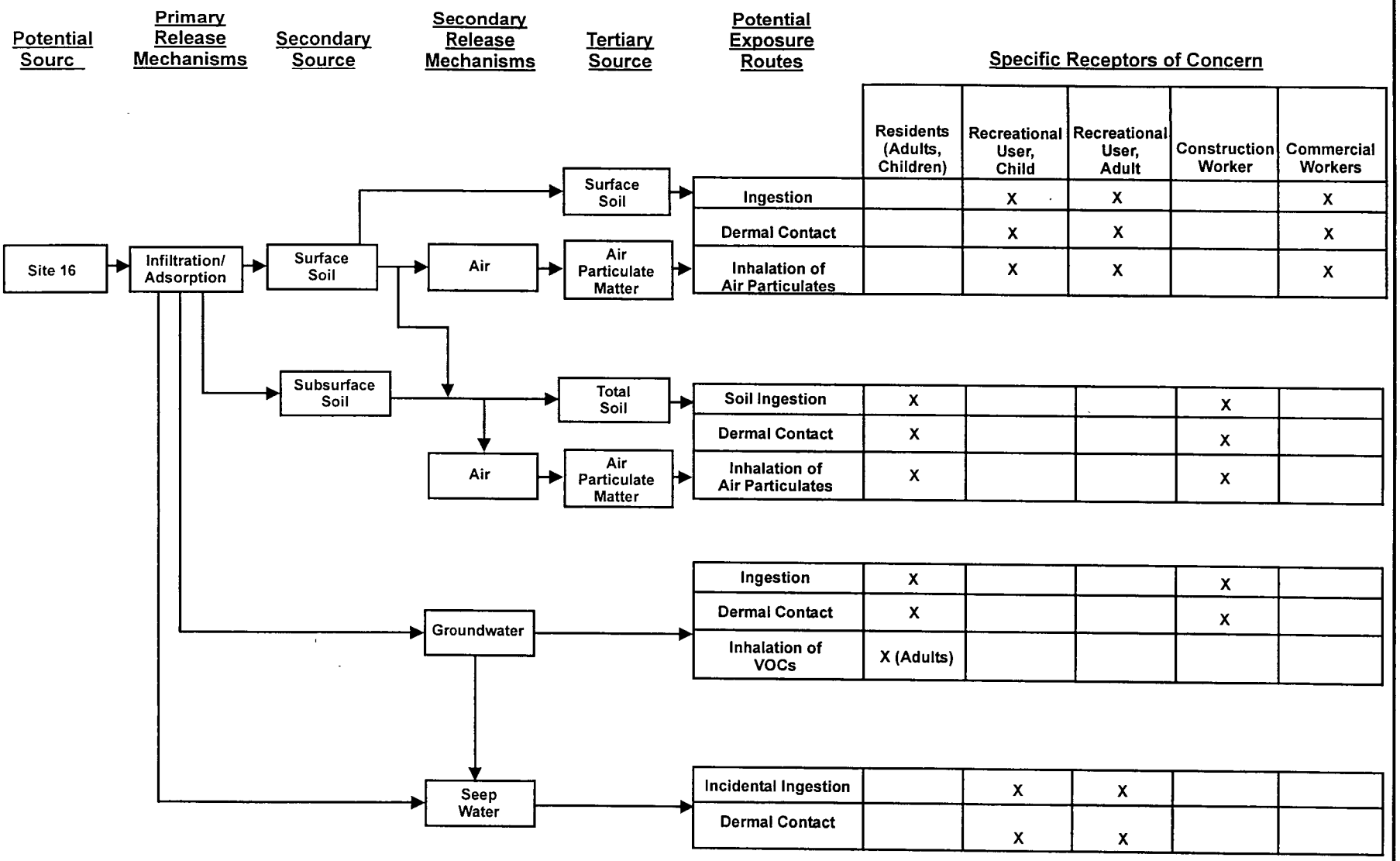

Figure ES-2. Human Health Conceptual Site Model: IR Program Site 16, NCBC Davisville.

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TABLE ES-1
SELECTION OF EXPOSURE PATHWAYS
DAVISVILLE SITE 16

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	On-Site/ Off-Site	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current	Surface Soil	Surface Soil	Site 16	Recreational User	Adult	Ingestion	On-Site	Quant	Recreational adults are exposed to surface soil.
						Dermal	On-Site	Quant	Recreational adults are exposed to surface soil
					Child	Ingestion	On-Site	Quant	Recreational children are exposed to surface soil
						Dermal	On-Site	Quant	Recreational children are exposed to surface soil.
		Air	Dust from Soil	Recreational User	Adult	Inhalation-Dust	On-Site	Quant	Recreational adults may inhale dust from surface soil
					Child	Inhalation-Dust	On-Site	Quant	Recreational children may inhale dust from surface soil.
	Surface Water	Seep	Site 16	Recreational User	Adult	Ingestion	On-Site	Quant	Recreational adults may come in contact with seeps
						Dermal	On-Site	Quant	Recreational adults may come in contact with seeps
					Child	Ingestion	On-Site	Quant	Recreational children may come in contact with seeps
						Dermal	On-Site	Quant	Recreational children may come in contact with seeps.
Future	Surface Soil	Surface Soil	Site 16	Commercial Worker	Adult	Ingestion	On-Site	Quant	Future commercial workers may be exposed to surface soil
						Dermal	On-Site	Quant	Future commercial workers may be exposed to surface soil.
			Site 16	Recreational User	Adult	Ingestion	On-Site	Quant	Same exposure assumptions for current and future exposures.
						Dermal	On-Site	Quant	Same exposure assumptions for current and future exposures
					Child	Ingestion	On-Site	Quant	Same exposure assumptions for current and future exposures
						Dermal	On-Site	Quant	Same exposure assumptions for current and future exposures
		Air	Dust from Soil	Commercial Worker	Adult	Inhalation-Dust	On-Site	Quant	Future commercial workers may be exposed to dust from surface soil
			Dust from Soil	Recreational User	Adult	Inhalation-Dust	On-Site	Quant	Same exposure assumptions for current and future exposures
					Child	Inhalation-Dust	On-Site	Quant	Same exposure assumptions for current and future exposures
	Total Soil	Total Soil	Site 16	Construction Worker	Adult	Ingestion	On-Site	Quant	Future construction workers may come in contact with soil during construction activities.
						Dermal	On-Site	Quant	Future construction workers may come in contact with soil during construction activities.

TABLE ES-1 continued
SELECTION OF EXPOSURE PATHWAYS
DAVISVILLE SITE 16

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	On-Site/ Off-Site	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Future	Total Soil	Total Soil	Site 16	Resident	Adult	Ingestion	On-Site	Quant	Future residents may be exposed to surface and subsurface soil
						Dermal	On-Site	Quant	Future residents may be exposed to surface and subsurface soil
					Child	Ingestion	On-Site	Quant	Future residents may be exposed to surface and subsurface soil
						Dermal	On-Site	Quant	Future residents may be exposed to surface and subsurface soil.
		Air	Dust from Soil	Construction Worker	Adult	Inhalation-Dust	On-Site	Quant	Future construction workers may inhale dust from soil during construction activities.
				Resident	Adult	Inhalation-Dust	On-Site	Quant	Future residents may inhale dust from surface and subsurface soil
					Child	Inhalation-Dust	On-Site	Quant	Future residents may inhale dust from surface and subsurface soil
	Ground Water	Ground Water	Tap Water	Resident	Adult	Ingestion	On-Site	Quant	Future residents may ingest ground water.
						Dermal	On-Site	Qual	Future residents may bathe in ground water
						Inhalation	On-Site	Qual	Future residents may be exposed to VOCs during showering.
					Child	Ingestion	On-Site	Quant	Future residents may ingest ground water
						Dermal	On-Site	Qual	Future residents may bathe in ground water
				Construction Worker	Adult	Ingestion	On-Site	Qual	Future construction workers may come in contact with ground water during construction activities.
						Dermal	On-Site	Qual	Future construction workers may come in contact with ground water during construction activities
	Surface Water	Seep	Site 16	Recreational User	Adult	Ingestion	On-Site	Quant	Same exposure assumptions for current and future exposures
						Dermal	On-Site	Quant	Same exposure assumptions for current and future exposures
					Child	Ingestion	On-Site	Quant	Same exposure assumptions for current and future exposures
						Dermal	On-Site	Quant	Same exposure assumptions for current and future exposures

TABLE 2.1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - SURFACE SOIL - RESIDENTIAL

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Dioxin/Furans									
TEQ	**TCDD-TEQ**	**0.0000026**		**0.00004521**		**mg/kg**	**SB16-25-0-2**	**8/8**		**0.00004521**	**N/A**	**3.9E-06 C**	**N/A**	**N/A**	**Yes**	**ASL**
							Inorganics									
7429-90-5	**ALUMINUM**	**2570**		**8590**		**mg/kg**	**SB16-28-0-2**	**9/9**	**1.48 - 2.9**	**8590**	**N/A**	**7.6E+03 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-38-2	**ARSENIC**	**1.3**		**4**		**mg/kg**	**SB16-28-0-2**	**7/9**	**0.18 - 0.37**	**4**	**N/A**	**3.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
7440-39-3	BARIUM	14.8		40.6		mg/kg	SB16-26-0-2	9/9	0.04 - 1.5	40.6	N/A	5.4E+02 N	N/A	N/A	No	BSL
7440-41-7	BERYLLIUM	0 33		0.64		mg/kg	SB16-28-0-2	9/9	0 04 - 0'07	0.64	N/A	1 5E+01 N	N/A	N/A	No	BSL
7440-43-9	CADMIUM	0.35	J	0.56		mg/kg	SB16-24-0-2	2/9	0.04 - 0.32	0.56	N/A	3.7E+00 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	282		1200		mg/kg	SB16-23-0-2	8/9	0.56 - 4.4	1200	N/A	N/A	N/A	N/A	No	NUT
7440-47-3	CHROMIUM	2.9		11.6		mg/kg	SB16-28-0-2	9/9	0.07 - 0 68	11.6	N/A	3 0E+01 C	N/A	N/A	No	BSL
7440-48-4	COBALT	2		7.8		mg/kg	SB16-28-0-2	9/9	0.27 - 1.3	7.8	N/A	4.7E+02 N	N/A	N/A	No	BSL
7440-50-8	COPPER	8 2	J	40.2	J	mg/kg	SB16-23-0-2	9/9	0.17 - 0 84	40.2	N/A	2.9E+02 N	N/A	N/A	No	BSL
7439-89-6	IRON	5930		21200		mg/kg	SB16-28-0-2	9/9	0 31 - 2.7	21200	N/A	N/A	N/A	N/A	No	NUT
7439-92-1	LEAD	13.45		98.4		mg/kg	SB16-24-0-2	9/9	0 13 - 0.2	98.4	N/A	4.0E+02	N/A	N/A	No	BSL
7439-95-4	MAGNESIUM	540		2140		mg/kg	SB16-28-0-2	9/9	1.17 - 6.7	2140	N/A	N/A	N/A	N/A	No	NUT
7439-96-5	**MANGANESE**	**84.4**	**J**	**248**	**J**	**mg/kg**	**SB16-28-0-2**	**9/9**	**0.12 - 0.2**	**248**	**N/A**	**1.8E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7439-97-6	MERCURY (INORGANIC)	0.11		0.11		mg/kg	SB16-25-0-2	1/9	0.01 - 0.05	0.11	N/A	2.3E+00 N	N/A	N/A	No	BSL
7440-02-0	NICKEL	2.1475	_ / U	11		mg/kg	SB16-28-0-2	6/9	1 07 - 2	11	N/A	1.6E+02 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	381		685	J	mg/kg	SB16-21-0-2	8/9	17.2 - 41.03	685	N/A	N/A	N/A	N/A	No	NUT
7782-49-2	SELENIUM	0.88		0.88		mg/kg	SB16-28-0-2	1/9	0.27 - 0.45	0.88	N/A	3.9E+01 N	N/A	N/A	No	BSL
7440-22-4	SILVER	0.32	J	0.32	J	mg/kg	SB16-25-0-2	1/9	0 2 - 0.33	0 32	N/A	3.9E+01 N	N/A	N/A	No	BSL
7440-23-5	SODIUM	17 36	U / _	82		mg/kg	SB16-23-0-2	5/9	1.29 - 5.8	82	N/A	N/A	N/A	N/A	No	NUT
7440-28-0	**THALLIUM**	**0.65**	**J**	**0.65**	**J**	**mg/kg**	**SB16-27-0-2**	**1/9**	**0.25 - 0.4**	**0.65**	**N/A**	**5.2E-01 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-62-2	VANADIUM	4.7		16.1		mg/kg	SB16-28-0-2	9/9	0 36 - 0.66	16.1	N/A	5.5E+01 N	N/A	N/A	No	BSL
7440-66-6	ZINC	29.8		85 3	J	mg/kg	SB16-28-0-2	9/9	0.14 - 1.4	85 3	N/A	2 3E+03 N	N/A	N/A	No	BSL
							PAHs									
91-57-6	2-METHYLNAPHTHALENE	0.03		0.558	U / _	mg/kg	SB16-21-0-2	2/25	0.02 - 1.11	0.558	N/A	5.6E+00 N	N/A	N/A	No	BSL
83-32-9	ACENAPHTHENE	0.014		2.4	J	mg/kg	28-SB-01B	6/29	0.02 - 1.11	2.4	N/A	3.7E+02 N	N/A	N/A	No	BSL
208-96-8	ACENAPHTHYLENE	0.012		0.77	U / _	mg/kg	SB16-21-0-2	4/29	0 02 - 1.6	0.77	N/A	3.7E+02 N	N/A	N/A	No	BSL
120-12-7	ANTHRACENE	0.005	J	4.6	J	mg/kg	28-SB-01B	11/29	0.02 - 1.11	4.6	N/A	2 2E+03 N	N/A	N/A	No	BSL
56-55-3	**BENZ[A]ANTHRACENE**	**0.004**		**4.45**		**mg/kg**	**SB16-21-0-2**	**18/29**	**0.02 - 1.11**	**4.45**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
50-32-8	**BENZO[A]PYRENE**	**0.004**	**J**	**2.35**		**mg/kg**	**SB16-21-0-2**	**19/29**	**0.02 - 1.11**	**2.35**	**N/A**	**6.2E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
205-99-2	**BENZO[B]FLUORANTHENE**	**0.008**		**7.4**		**mg/kg**	**SB16-21-0-2**	**21/29**	**0.02 - 1.11**	**7.4**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
191-24-2	BENZO[G,H,I]PERYLENE	0.003	J	1.05		mg/kg	SB16-21-0-2	17/29	0 02 - 1.11	1 05	N/A	2.3E+02 N	N/A	N/A	No	BSL
207-08-9	BENZO[K]FLUORANTHENE	0.003		1 8		mg/kg	SB16-21-0-2	15/29	0.02 - 1.11	1 8	N/A	6 2E+00 C	N/A	N/A	No	BSL
218-01-9	CHRYSENE	0.015	J	4.75		mg/kg	SB16-21-0-2	20/29	0 02 - 1 11	4 75	N/A	6.2E+01 C	N/A	N/A	No	BSL
53-70-3	**DIBENZ[A,H]ANTHRACENE**	**0.009**		**0.75**	**U / _**	**mg/kg**	**SB16-21-0-2**	**10/29**	**0.002 - 1.11**	**0.75**	**N/A**	**6.2E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
206-44-0	FLUORANTHENE	0 017	J	4 305		mg/kg	SB16-21-0-2	20/29	0 02 - 1 11	4 305	N/A	2.3E+02 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	0 005	J	0.5925	_ / UJ	mg/kg	SB16-21-0-2	6/29	0.007 - 1.11	0.5925	N/A	2.6E+02 N	N/A	N/A	No	BSL
193-39-5	**INDENO[1,2,3-C,D]PYRENE**	**0.002**	**J**	**2.3**		**mg/kg**	**SB16-21-0-2**	**17/29**	**0.02 - 1.11**	**2.3**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
91-20-3	NAPHTHALENE	0 015		0.557	U / _	mg/kg	SB16-21-0-2	3/29	0 02 - 1.11	0.557	N/A	5 6E+00 N	N/A	N/A	No	BSL
85-01-8	PHENANTHRENE	0 006	J	0 92		mg/kg	SB16-28-0-2	17/29	0 02 - 1.11	0 92	N/A	2 3E+02 N	N/A	N/A	No	BSL
129-00-0	PYRENE	0 013	J	6.4		mg/kg	SB16-21-0-2	21/29	0 02 - 1.11	6 4	N/A	2 3E+02 N	N/A	N/A	No	BSL

TABLE 2.1
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - SURFACE SOIL - RESIDENTIAL

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil
Exposure Point. Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							PCBs									
11096-82-5	AROCLOR-1260	0.014	U / _	0.014	U / _	mg/kg	SB16-21-0-2	1/9	0.018 - 0 036	0.014	N/A	2 2E-01 C	N/A	N/A	No	BSL
							Pesticides									
319-84-6	ALPHA-HCH	0.0024	J	0.0024	J	mg/kg	SB16-28-0-2	1/8	0.0018 - 0.0021	0.0024	N/A	9.0E-02 C	N/A	N/A	No	BSL
50-29-3	DDT	0 0037		0.0037		mg/kg	SB16-26-0-2	1/8	0.0034 - 0.0042	0.0037	N/A	1.7E+00 C	N/A	N/A	No	BSL
5103-74-2	GAMMA-CHLORDANE	0 0029	J	0 0029	J	mg/kg	SB16-21-0-2	1/9	0.0018 - 0.0021	0.0029	N/A	1.6E+00 C	N/A	N/A	No	BSL
							Semivolatiles									
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J	0.106	U / J	mg/kg	EBS-28-SB08-0-2	2/25	0.13 - 0.44	0 106	N/A	3.5E+01 C	N/A	N/A	No	BSL
86-74-8	CARBAZOLE	0.066	J	0.405	J	mg/kg	SB16-21-0-2	2/25	0 069 - 0 44	0 405	N/A	2.4E+01 C	N/A	N/A	No	BSL
84-74-2	DIBUTYLPHTHALATE	0 04	J	0 056	J	mg/kg	EBS-28-SB05-0-2	6/25	0 093 - 0.44	0 056	N/A	6.1E+02 N	N/A	N/A	No	BSL
							Volatiles									
78-93-3	2-BUTANONE	0 01		0 012		mg/kg	SB16-27-0-2	3/26	0.004 - 0.011	0 012	N/A	7.3E+02 N	N/A	N/A	No	BSL
67-64-1	ACETONE	0 015	J	3.7	J	mg/kg	EBS-28-SB04-0-2	14/26	0.003 - 0.011	3.7	N/A	1.6E+02 N	N/A	N/A	No	BSL
75-09-2	METHYLENE CHLORIDE	0 004	J	0.0045	J / U	mg/kg	EBS-28-SB07-0-2	3/26	0 001 - 0.01	0.0045	N/A	8.9E+00 C	N/A	N/A	No	BSL
108-88-3	TOLUENE	0 006	J	0 006	J	mg/kg	EBS-28-SB15-0-2	1/26	0.001 - 0.01	0.006	N/A	5.2E+02	N/A	N/A	No	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used as screening value.
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000 For non-carcinogens, value shown is equal to 1/10 the Residential PRG. For carcinogens the value shown is equal to the Residential PRG
(4) Rationale Codes

Selection Reason:	Above Screening Toxicity and Background Levels (ASL)
Deletion Reason.	Essential Nutrient (NUT)
	Below Screening Toxicity Level (BSL)

Surrogates· acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions
N/A = Not Applicable
ND = No Data

COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers
J = Indicates an estimated value.
U = Analyte not detected at the given concentration limit.

TABLE 2.2
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - SURFACE SOIL - INDUSTRIAL

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Dioxin/Furans									
TEQ	**TCDD-TEQ**	**0.0000026**		**0.00004521**		**mg/kg**	**SB16-25-0-2**	**8/8**		**0.00004521**	**N/A**	**2.7E-05 C**	**N/A**	**N/A**	**Yes**	**ASL**
							Inorganics									
7429-90-5	ALUMINUM	2570		8590		mg/kg	SB16-28-0-2	9/9	1 48 - 2.9	8590	N/A	1.0E+05	N/A	N/A	No	BSL
7440-38-2	**ARSENIC**	**1.3**		**4**		**mg/kg**	**SB16-28-0-2**	**7/9**	**0.18 - 0.37**	**4**	**N/A**	**2.7E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
7440-39-3	BARIUM	14.8		40 6		mg/kg	SB16-26-0-2	9/9	0 04 - 1.5	40.6	N/A	1.0E+05	N/A	N/A	No	BSL
7440-41-7	BERYLLIUM	0.33		0.64		mg/kg	SB16-28-0-2	9/9	0 04 - 0.07	0.64	N/A	2.2E+03 C	N/A	N/A	No	BSL
7440-43-9	CADMIUM	0.35	J	0.56		mg/kg	SB16-24-0-2	2/9	0.04 - 0 32	0.56	N/A	8.1E+01 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	282		1200		mg/kg	SB16-23-0-2	8/9	0.56 - 4.4	1200	N/A	N/A	N/A	N/A	No	NUT
7440-47-3	CHROMIUM	2.9		11.6		mg/kg	SB16-28-0-2	9/9	0.07 - 0 68	11.6	N/A	6.4E+01 C	N/A	N/A	No	BSL
7440-48-4	COBALT	2		7.8		mg/kg	SB16-28-0-2	9/9	0 27 - 1.3	7.8	N/A	1.0E+05	N/A	N/A	No	BSL
7440-50-8	COPPER	8.2	J	40.2	J	mg/kg	SB16-23-0-2	9/9	0.17 - 0 84	40.2	N/A	7 6E+03 N	N/A	N/A	No	BSL
7439-89-6	IRON	5930		21200		mg/kg	SB16-28-0-2	9/9	0 31 - 2 7	21200	N/A	N/A	N/A	N/A	No	NUT
7439-92-1	LEAD	13.45		98 4		mg/kg	SB16-24-0-2	9/9	0.13 - 0.2	98 4	N/A	7.5E+02	N/A	N/A	No	BSL
7439-95-4	MAGNESIUM	540		2140		mg/kg	SB16-28-0-2	9/9	1.17 - 6.7	2140	N/A	N/A	N/A	N/A	No	NUT
7439-96-5	MANGANESE	84.4	J	248	J	mg/kg	SB16-28-0-2	9/9	0.12 - 0.2	248	N/A	3.2E+03 N	N/A	N/A	No	BSL
7439-97-6	MERCURY (INORGANIC)	0.11		0.11		mg/kg	SB16-25-0-2	1/9	0.01 - 0.05	0.11	N/A	6.1E+01 N	N/A	N/A	No	BSL
7440-02-0	NICKEL	2.1475	_ / U	11		mg/kg	SB16-28-0-2	6/9	1.07 - 2	11	N/A	4.1E+03 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	381		685	J	mg/kg	SB16-21-0-2	8/9	17.2 - 41.03	685	N/A	N/A	N/A	N/A	No	NUT
7782-49-2	SELENIUM	0 88		0 88		mg/kg	SB16-28-0-2	1/9	0 27 - 0.45	0 88	N/A	1.0E+03 N	N/A	N/A	No	BSL
7440-22-4	SILVER	0.32	J	0.32	J	mg/kg	SB16-25-0-2	1/9	0.2 - 0.33	0.32	N/A	1.0E+03 N	N/A	N/A	No	BSL
7440-23-5	SODIUM	17.36	U / _	82		mg/kg	SB16-23-0-2	5/9	1.29 - 5.8	82	N/A	N/A	N/A	N/A	No	NUT
7440-28-0	THALLIUM	0.65	J	0.65	J	mg/kg	SB16-27-0-2	1/9	0.25 - 0.4	0.65	N/A	1 3E+01 N	N/A	N/A	No	BSL
7440-62-2	VANADIUM	4 7		16 1		mg/kg	SB16-28-0-2	9/9	0.36 - 0 66	16.1	N/A	1.4E+03 N	N/A	N/A	No	BSL
7440-66-6	ZINC	29.8		85.3	J	mg/kg	SB16-28-0-2	9/9	0.14 - 1 4	85.3	N/A	1.0E+05	N/A	N/A	No	BSL
							PAHs									
91-57-6	2-METHYLNAPHTHALENE	0.03		0.558	U / _	mg/kg	SB16-21-0-2	2/25	0.02 - 1.11	0 558	N/A	1 9E+01 N	N/A	N/A	No	BSL
83-32-9	ACENAPHTHENE	0 014		2.4	J	mg/kg	28-SB-01B	6/29	0.02 - 1.11	2.4	N/A	3.8E+03 N	N/A	N/A	No	BSL
208-96-8	ACENAPHTHYLENE	0 012		0.77	U / _	mg/kg	SB16-21-0-2	4/29	0.02 - 1.6	0.77	N/A	3.8E+03 N	N/A	N/A	No	BSL
120-12-7	ANTHRACENE	0 005	J	4.6	J	mg/kg	28-SB-01B	11/29	0.02 - 1.11	4.6	N/A	1 0E+05	N/A	N/A	No	BSL
56-55-3	**BENZ[A]ANTHRACENE**	**0.004**		**4.45**		**mg/kg**	**SB16-21-0-2**	**18/29**	**0.02 - 1.11**	**4.45**	**N/A**	**2.9E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
50-32-8	**BENZO[A]PYRENE**	**0.004**	**J**	**2.35**		**mg/kg**	**SB16-21-0-2**	**19/29**	**0.02 - 1.11**	**2.35**	**N/A**	**2.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
205-99-2	**BENZO[B]FLUORANTHENE**	**0.008**		**7.4**		**mg/kg**	**SB16-21-0-2**	**21/29**	**0.02 - 1.11**	**7.4**	**N/A**	**2.9E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
191-24-2	BENZO[G,H,I]PERYLENE	0.003	J	1.05		mg/kg	SB16-21-0-2	17/29	0 02 - 1.11	1.05	N/A	5.4E+03 N	N/A	N/A	No	BSL
207-08-9	BENZO[K]FLUORANTHENE	0.003		1 8		mg/kg	SB16-21-0-2	15/29	0 02 - 1 11	1.8	N/A	2 9E+01 C	N/A	N/A	No	BSL
218-01-9	CHRYSENE	0.015	J	4 75		mg/kg	SB16-21-0-2	20/29	0.02 - 1 11	4.75	N/A	2 9E+02 C	N/A	N/A	No	BSL
53-70-3	**DIBENZ[A,H]ANTHRACENE**	**0.009**		**0.75**	**U / _**	**mg/kg**	**SB16-21-0-2**	**10/29**	**0.002 - 1.11**	**0.75**	**N/A**	**2.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
206-44-0	FLUORANTHENE	0 017	J	4.305		mg/kg	SB16-21-0-2	20/29	0 02 - 1.11	4 305	N/A	3.0E+03 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	0.005	J	0 5925	_ / UJ	mg/kg	SB16-21-0-2	6/29	0 007 - 1 11	0.5925	N/A	3.3E+03 N	N/A	N/A	No	BSL
193-39-5	INDENO[1,2,3-C,D]PYRENE	0.002	J	2 3		mg/kg	SB16-21-0-2	17/29	0.02 - 1 11	2 3	N/A	2.9E+00 C	N/A	N/A	No	BSL
91-20-3	NAPHTHALENE	0.015		0 557	U / _	mg/kg	SB16-21-0-2	3/29	0 02 - 1 11	0.557	N/A	1 9E+01 N	N/A	N/A	No	BSL
85-01-8	PHENANTHRENE	0.006	J	0 92		mg/kg	SB16-28-0-2	17/29	0 02 - 1 11	0 92	N/A	5 4E+03 N	N/A	N/A	No	BSL
129-00-0	PYRENE	0 013	J	6 4		mg/kg	SB16-21-0-2	21/29	0.02 - 1 11	6 4	N/A	5.4E+03 N	N/A	N/A	No	BSL

TABLE 2.2
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - SURFACE SOIL - INDUSTRIAL

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							PCBs									
11096-82-5	AROCLOR-1260	0.014	U / _	0.014	U / _	mg/kg	SB16-21-0-2	1/9	0.018 - 0.036	0 014	N/A	1 0E+00 C	N/A	N/A	No	BSL
							Pesticides									
319-84-6	ALPHA-HCH	0.0024	J	0.0024	J	mg/kg	SB16-28-0-2	1/8	0.0018 - 0.0021	0.0024	N/A	5.9E-01 C	N/A	N/A	No	BSL
50-29-3	DDT	0.0037		0.0037		mg/kg	SB16-26-0-2	1/8	0 0034 - 0.0042	0.0037	N/A	1.2E+01 C	N/A	N/A	No	BSL
5103-74-2	GAMMA-CHLORDANE	0 0029	J	0.0029	J	mg/kg	SB16-21-0-2	1/9	0.0018 - 0.0021	0.0029	N/A	1.1E+01 C	N/A	N/A	No	BSL
							Semivolatiles									
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J	0.106	U / J	mg/kg	EBS-28-SB08-0-2	2/25	0.13 - 0.44	0 106	N/A	1.8E+02 C	N/A	N/A	No	BSL
86-74-8	CARBAZOLE	0 066	J	0.405	J	mg/kg	SB16-21-0-2	2/25	0.069 - 0.44	0.405	N/A	1.2E+02 C	N/A	N/A	No	BSL
84-74-2	DIBUTYLPHTHALATE	0.04	J	0.056	J	mg/kg	EBS-28-SB05-0-2	6/25	0.093 - 0.44	0 056	N/A	8 8E+03 N	N/A	N/A	No	BSL
							Volatiles									
78-93-3	2-BUTANONE	0.01		0.012		mg/kg	SB16-27-0-2	3/26	0.004 - 0.011	0.012	N/A	2.8E+03 N	N/A	N/A	No	BSL
67-64-1	ACETONE	0.015	J	3.7	J	mg/kg	EBS-28-SB04-0-2	14/26	0 003 - 0.011	3.7	N/A	6.2E+02 N	N/A	N/A	No	BSL
75-09-2	METHYLENE CHLORIDE	0.004	J	0.0045	J / U	mg/kg	EBS-28-SB07-0-2	3/26	0.001 - 0.01	0.0045	N/A	2.1E+01 C	N/A	N/A	No	BSL
108-88-3	TOLUENE	0.006	J	0.006	J	mg/kg	EBS-28-SB15-0-2	1/26	0.001 - 0.01	0.006	N/A	5.2E+02	N/A	N/A	No	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used as screening value.
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000 For non-carcinogens, value shown is equal to 1/10 the Industrial PRG For carcinogens the value shown is equal to the Industrial PRG.
(4) Rationale Codes

Selection Reason. Above Screening Toxicity and Background Levels (ASL)
Deletion Reason Essential Nutrient (NUT)
Below Screening Toxicity Level (BSL)

Surrogates. acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions.
N/A = Not Applicable
ND = No Data

COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers
J = Indicates an estimated value
U = Analyte not detected at the given concentration limit.

TABLE 2.3
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - TOTAL SOIL - RESIDENTIAL

Scenario Timeframe: Current/Future
Medium: Total Soil
Exposure Medium: Total Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum [1] Concentration	Minimum Qualifier	Maximum [1] Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration [2] Used for Screening	Background Value	Screening [3] Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for [4] Contaminant Deletion or Selection
							Dioxin/Furans									
TEQ	**TCDD-TEQ**	**0.0000024**		**0.00049668**		**mg/kg**	**SB16-28-4-6**	**16/16**		**0.00049668**	**N/A**	**3.9E-06 C**	**N/A**	**N/A**	**Yes**	**ASL**
							Inorganics									
7429-90-5	**ALUMINUM**	**2570**		**12400**		**mg/kg**	**SB16-22-6-8**	**24/24**	**1.28 - 16.38**	**12400**	**N/A**	**7.6E+03 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-36-0	**ANTIMONY**	**0.42**	**UJ / J**	**8.7**		**mg/kg**	**SB16-28-4-6**	**4/24**	**0.18 - 2.31**	**8.7**	**N/A**	**3.1E+00 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-38-2	**ARSENIC**	**1.3**		**10.6**		**mg/kg**	**SB16-28-4-6**	**19/24**	**0.15 - 1.98**	**10.6**	**N/A**	**3.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
7440-39-3	**BARIUM**	**10.8**		**1100**		**mg/kg**	**SB16-28-4-6**	**24/24**	**0.04 - 1.7**	**1100**	**N/A**	**5.4E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-41-7	BERYLLIUM	0 27	J	0.71		mg/kg	SB16-22-6-8	24/24	0.04 - 0.07	0.71	N/A	1.5E+01 N	N/A	N/A	No	BSL
7440-43-9	CADMIUM	0.33	J	2.4		mg/kg	SB16-28-4-6	5/24	0.04 - 0.86	2 4	N/A	3.7E+00 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	282		23400		mg/kg	SB16-28-4-6	19/24	0.45 - 4.9	23400	N/A	N/A	N/A	N/A	No	NUT
7440-47-3	CHROMIUM	2 5		67 2		mg/kg	SB16-28-4-6	23/24	0 06 - 1 32	67.2	N/A	3.0E+01 C	N/A	N/A	No	BSL
7440-48-4	COBALT	2		10 2		mg/kg	MW16-03S-03-05	24/24	0 07 - 1.4	10 2	N/A	4.7E+02 N	N/A	N/A	No	BSL
7440-50-8	**COPPER**	**6.7**	**J**	**452**	**J**	**mg/kg**	**SB16-28-4-6**	**24/24**	**0.15 - 0.93**	**452**	**N/A**	**2.9E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7439-89-6	IRON	5900		54300		mg/kg	SB16-28-4-6	24/24	0 27 - 6 72	54300	N/A	N/A	N/A	N/A	No	NUT
7439-92-1	**LEAD**	**3.95**		**2650**		**mg/kg**	**SB16-28-4-6**	**24/24**	**0.12 - 16.4**	**2650**	**N/A**	**4.0E+02**	**N/A**	**N/A**	**Yes**	**ASL**
7439-95-4	MAGNESIUM	525.2875	_ / U	4910		mg/kg	SB16-28-4-6	22/24	1.01 - 12.9	4910	N/A	N/A	N/A	N/A	No	NUT
7439-96-5	**MANGANESE**	**70.25**		**587**	**J**	**mg/kg**	**SB16-28-4-6**	**24/24**	**0.02 - 0.44**	**587**	**N/A**	**1.8E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7439-97-6	MERCURY (INORGANIC)	0.04	J / U	0.96		mg/kg	SB16-28-4-6	5/24	0 01 - 0.055	0.96	N/A	2.3E+00 N	N/A	N/A	No	BSL
7440-02-0	NICKEL	2.1475	_ / U	34.5		mg/kg	SB16-28-4-6	19/24	0.11 - 3.94	34.5	N/A	1.6E+02 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	381		1100		mg/kg	SB16-23-3-5	19/24	17 2 - 41.03	1100	N/A	N/A	N/A	N/A	No	NUT
7782-49-2	SELENIUM	0.33	J	0 92		mg/kg	MW16-03S-03-05	5/24	0.23 - 2.97	0.92	N/A	3.9E+01 N	N/A	N/A	No	BSL
7440-22-4	SILVER	0 225	J / U	6.8		mg/kg	SB16-28-4-6	7/24	0.1 - 0.9	6 8	N/A	3.9E+01 N	N/A	N/A	No	BSL
7440-23-5	SODIUM	17.36	U / _	596		mg/kg	SB16-28-4-6	16/24	1.12 - 6.4	596	N/A	N/A	N/A	N/A	No	NUT
7440-28-0	**THALLIUM**	**0.65**	**J**	**0.65**	**J**	**mg/kg**	**SB16-27-0-2**	**1/24**	**0.25 - 3.27**	**0.65**	**N/A**	**5.2E-01 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-62-2	VANADIUM	4.6		18.9		mg/kg	SB16-22-6-8	24/24	0 09 - 1.32	18.9	N/A	5 5E+01 N	N/A	N/A	No	BSL
7440-66-6	ZINC~	17.3	J	1610	J	mg/kg	SB16-28-4-6	24/24	0.12 - 1.5	1610	N/A	2 3E+03 N	N/A	N/A	No	BSL
							PAHs									
91-57-6	**2-METHYLNAPHTHALENE**	**0.03**		**49**		**mg/kg**	**SB16-28-4-6**	**5/53**	**0.02 - 2.4**	**49**	**N/A**	**5.6E+00 N**	**N/A**	**N/A**	**Yes**	**ASL**
83-32-9	ACENAPHTHENE	0 014		15.1	J	mg/kg	28-SB-01D	13/61	0 02 - 2.4	15.1	N/A	3.7E+02 N	N/A	N/A	No	BSL
208-96-8	ACENAPHTHYLENE	0 012		0 77	U / _	mg/kg	SB16-21-0-2	7/61	0 02 - 2.4	0.77	N/A	3.7E+02 N	N/A	N/A	No	BSL
120-12-7	ANTHRACENE	0.005	J	4 6	J	mg/kg	28-SB-01B	21/61	0 02 - 2 4	4 6	N/A	2.2E+03 N	N/A	N/A	No	BSL
56-55-3	**BENZ[A]ANTHRACENE**	**0.004**		**4.45**		**mg/kg**	**SB16-21-0-2**	**32/61**	**0.02 - 2.4**	**4.45**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
50-32-8	**BENZO[A]PYRENE**	**0.004**	**J**	**2.45**	**J**	**mg/kg**	**28-SB-01D**	**34/61**	**0.02 - 2.4**	**2.45**	**N/A**	**6.2E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
205-99-2	**BENZO[B]FLUORANTHENE**	**0.008**		**7.4**		**mg/kg**	**SB16-21-0-2**	**36/61**	**0.02 - 2.4**	**7.4**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
191-24-2	BENZO[G,H,I]PERYLENE	0.003	J	2.05	J	mg/kg	28-SB-01D	30/61	0.02 - 2 4	2.05	N/A	2 3E+02 N	N/A	N/A	No	BSL
207-08-9	BENZO[K]FLUORANTHENE	0.003		1 8		mg/kg	SB16-21-0-2	26/61	0.02 - 2 4	1 8	N/A	6.2E+00 C	N/A	N/A	No	BSL
218-01-9	CHRYSENE	0.015	J	4.75		mg/kg	SB16-21-0-2	35/61	0.02 - 2 4	4 75	N/A	6.2E+01 C	N/A	N/A	No	BSL
53-70-3	**DIBENZ[A,H]ANTHRACENE**	**0.009**		**0.75**	**U / _**	**mg/kg**	**SB16-21-0-2**	**17/61**	**0.002 - 2.4**	**0.75**	**N/A**	**6.2E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
206-44-0	FLUORANTHENE	0 017	J	5 5		mg/kg	SB16-28-4-6	35/61	0.02 - 2 4	5 5	N/A	2 3E+02 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	0 005	J	5.1	J	mg/kg	SB16-28-4-6	13/61	0.007 - 2.4	5.1	N/A	2.6E+02 N	N/A	N/A	No	BSL
193-39-5	**INDENO[1,2,3-C,D]PYRENE**	**0.002**	**J**	**2.3**		**mg/kg**	**SB16-21-0-2**	**31/61**	**0.02 - 2.4**	**2.3**	**N/A**	**6.2E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
91-20-3	**NAPHTHALENE**	**0.006**		**12**		**mg/kg**	**SB16-28-4-6**	**10/61**	**0.02 - 2.4**	**12**	**N/A**	**5.6E+00 N**	**N/A**	**N/A**	**Yes**	**ASL**
85-01-8	PHENANTHRENE	0 006	J	13	J	mg/kg	SB16-28-4-6	31/61	0.02 - 2.4	13	N/A	2 3E+02 N	N/A	N/A	No	BSL
129-00-0	PYRENE	0 013	J	6 4		mg/kg	SB16-21-0-2	36/61	0 02 - 2.4	6.4	N/A	2 3E+02 N	N/A	N/A	No	BSL

TABLE 2.3
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - TOTAL SOIL - RESIDENTIAL

Scenario Timeframe: Current/Future
Medium: Total Soil
Exposure Medium: Total Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							PCBs									
11096-82-5	AROCLOR-1260	0.014	U / _	0.014	U / _	mg/kg	SB16-21-0-2	1/24	0.018 - 0.04	0.014	N/A	2 2E-01 C	N/A	N/A	No	BSL
							Pesticides									
319-84-6	ALPHA-HCH	0.0024	J	0.0024	J	mg/kg	SB16-28-0-2	1/23	0.0018 - 0 0041	0 0024	N/A	9.0E-02 C	N/A	N/A	No	BSL
72-54-8	DDD	0 002925	UJ / J	0.002925	UJ / J	mg/kg	SB16-27-2-4	1/23	0.0034 - 0 008	0.002925	N/A	2.4E+00 C	N/A	N/A	No	BSL
50-29-3	DDT	0.0037		0.0037		mg/kg	SB16-26-0-2/SB16-26-2-4	2/23	0 0034 - 0.008	0.0037	N/A	1.7E+00 C	N/A	N/A	No	BSL
7421-93-4	ENDRIN ALDEHYDE	0 0047		0.0047		mg/kg	SB16-23-3-5	1/23	0 0034 - 0.008	0.0047	N/A	1.8E+00 N	N/A	N/A	No	BSL
5103-74-2	GAMMA-CHLORDANE	0.0029	J	0.0089	J	mg/kg	SB16-28-4-6	2/24	0.0018 - 0.0041	0 0089	N/A	1 6E+00 C	N/A	N/A	No	BSL
							Semivolatiles									
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J	0.37	U / _	mg/kg	MW16-07S-05-07	8/53	0.13 - 0.44	0.37	N/A	3.5E+01 C	N/A	N/A	No	BSL
86-74-8	CARBAZOLE	0.066	J	0.405	J	mg/kg	SB16-21-0-2	2/53	0.069 - 0 44	0.405	N/A	2 4E+01 C	N/A	N/A	No	BSL
132-64-9	DIBENZOFURAN	0.16	J	0.16	J	mg/kg	EBS-28-SB12-6-8	1/53	0 052 - 0.44	0 16	N/A	2 9E+01 N	N/A	N/A	No	BSL
84-74-2	DIBUTYLPHTHALATE	0.04	J	0.12	J	mg/kg	EBS-28-SB04-2-4	9/53	0 093 - 0.44	0 12	N/A	6.1E+02 N	N/A	N/A	No	BSL
84-66-2	DIETHYLPHTHALATE	0 061	J	0 061	J	mg/kg	EBS-28-SB12-6-8	1/53	0 069 - 0 44	0 061	N/A	4 9E+03 N	N/A	N/A	No	BSL
							Volatiles									
78-93-3	2-BUTANONE	0 007	J	0.012		mg/kg	SB16-27-0-2	6/54	0 004 - 0 665	0 012	N/A	7 3E+02 N	N/A	N/A	No	BSL
67-64-1	ACETONE	0.008		75	J	mg/kg	EBS-28-SB06-8-10	31/54	0.003 - 0.665	75	N/A	1.6E+02 N	N/A	N/A	No	BSL
71-43-2	BENZENE	0.008	J	0 034	J	mg/kg	SB16-28-4-6	2/54	0.001 - 0.335	0 034	N/A	6.5E-01 C	N/A	N/A	No	BSL
75-15-0	CARBON DISULFIDE	0.004		0.011		mg/kg	SB16-24-7-9	2/54	0.002 - 0.335	0 011	N/A	3.6E+01 N	N/A	N/A	No	BSL
100-41-4	ETHYLBENZENE	0.35		0.35		mg/kg	SB16-28-4-6	1/54	0.002 - 0 335	0 35	N/A	2.3E+02	N/A	N/A	No	BSL
MPXYLENES	M,P-XYLENES	0.62		0.62		mg/kg	SB16-28-4-6	1/20	0.005 - 0.335	0 62	N/A	2.1E+02	N/A	N/A	No	BSL
75-09-2	METHYLENE CHLORIDE	0 003	J	0.21	J	mg/kg	MW16-07S-05-07	7/54	0 001 - 0 335	0 21	N/A	8.9E+00 C	N/A	N/A	No	BSL
95-47-6	O-XYLENE	0.29		0.29		mg/kg	SB16-28-4-6	1/20	0.005 - 0.335	0.29	N/A	2 1E+02	N/A	N/A	No	BSL
108-88-3	TOLUENE	0 006	J	0 17		mg/kg	SB16-28-4-6	2/54	0.001 - 0.335	0.17	N/A	5 2E+02	N/A	N/A	No	BSL

(1) Minimum/maximum detected concentration
(2) Maximum concentration used as screening value
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000 For non-carcinogens, value shown is equal to 1/10 the Residential PRG For carcinogens the value shown is equal to the Residential PRG
(4) Rationale Codes
Selection Reason: Above Screening Toxicity and Background Levels (ASL)
Deletion Reason: Essential Nutrient (NUT)
Below Screening Toxicity Level (BSL)

Surrogates: acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions
N/A = Not Applicable
ND = No Data

COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers:
J = Indicates an estimated value.
U = Analyte not detected at the given concentration limit.

TABLE 2.4
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - TOTAL SOIL - INDUSTRIAL

Scenario Timeframe: Current/Future
Medium: Total Soil
Exposure Medium: Total Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Dioxin/Furans									
TEQ	**TCDD-TEQ**	**0.0000024**		**0.00049668**		**mg/kg**	**SB16-28-4-6**	**16/16**		**0.00049668**	**N/A**	**2.7E-05 C**	**N/A**	**N/A**	**Yes**	**ASL**
							Inorganics									
7429-90-5	ALUMINUM	2570		12400		mg/kg	SB16-22-6-8	24/24	1 28 - 16 38	12400	N/A	1 0E+05	N/A	N/A	No	BSL
7440-36-0	ANTIMONY	0 42	UJ / J	8 7		mg/kg	SB16-28-4-6	4/24	0.18 - 2.31	8.7	N/A	8 2E+01 N	N/A	N/A	No	BSL
7440-38-2	**ARSENIC**	**1.3**		**10.6**		**mg/kg**	**SB16-28-4-6**	**19/24**	**0.15 - 1.98**	**10.6**	**N/A**	**2.7E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
7440-39-3	BARIUM	10.8		1100		mg/kg	SB16-28-4-6	24/24	0.04 - 1 7	1100	N/A	1 0E+05	N/A	N/A	No	BSL
7440-41-7	BERYLLIUM	0 27	J	0 71		mg/kg	SB16-22-6-8	24/24	0.04 - 0 07	0.71	N/A	2 2E+03 C	N/A	N/A	No	BSL
7440-43-9	CADMIUM	0.33	J	2.4		mg/kg	SB16-28-4-6	5/24	0.04 - 0.86	2.4	N/A	8 1E+01 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	282		23400		mg/kg	SB16-28-4-6	19/24	0.45 - 4.9	23400	N/A	N/A	N/A	N/A	No	NUT
7440-47-3	CHROMIUM	2.5		67.2		mg/kg	SB16-28-4-6	23/24	0 06 - 1.32	67.2	N/A	6 4E+01 C	N/A	N/A	No	BSL
7440-48-4	COBALT	2		10.2		mg/kg	MW16-03S-03-05	24/24	0.07 - 1.4	10.2	N/A	1.0E+05	N/A	N/A	No	BSL
7440-50-8	COPPER	6.7	J	452	J	mg/kg	SB16-28-4-6	24/24	0.15 - 0 93	452	N/A	7 6E+03 N	N/A	N/A	No	BSL
7439-89-6	IRON	5900		54300		mg/kg	SB16-28-4-6	24/24	0.27 - 6.72	54300	N/A	N/A	N/A	N/A	No	NUT
7439-92-1	**LEAD**	**3.95**		**2650**		**mg/kg**	**SB16-28-4-6**	**24/24**	**0.12 - 16.4**	**2650**	**N/A**	**7.5E+02**	**N/A**	**N/A**	**Yes**	**ASL**
7439-95-4	MAGNESIUM	525 2875	_ / U	4910		mg/kg	SB16-28-4-6	22/24	1 01 - 12 9	4910	N/A	N/A	N/A	N/A	No	NUT
7439-96-5	MANGANESE	70.25		587	J	mg/kg	SB16-28-4-6	24/24	0.02 - 0.44	587	N/A	3.2E+03 N	N/A	N/A	No	BSL
7439-97-6	MERCURY (INORGANIC)	0.04	J / U	0.96		mg/kg	SB16-28-4-6	5/24	0.01 - 0.055	0.96	N/A	6.1E+01 N	N/A	N/A	No	BSL
7440-02-0	NICKEL	2 1475	_ / U	34.5		mg/kg	SB16-28-4-6	19/24	0 11 - 3 94	34.5	N/A	4.1E+03 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	381		1100		mg/kg	SB16-23-3-5	19/24	17.2 - 41 03	1100	N/A	N/A	N/A	N/A	No	NUT
7782-49-2	SELENIUM	0.33	J	0 92		mg/kg	MW16-03S-03-05	5/24	0 23 - 2.97	0.92	N/A	1.0E+03 N	N/A	N/A	No	BSL
7440-22-4	SILVER	0.225	J / U	6 8		mg/kg	SB16-28-4-6	7/24	0.1 - 0 9	6.8	N/A	1.0E+03 N	N/A	N/A	No	BSL
7440-23-5	SODIUM	17 36	U / _	596		mg/kg	SB16-28-4-6	16/24	1 12 - 6.4	596	N/A	N/A	N/A	N/A	No	NUT
7440-28-0	THALLIUM	0.65	J	0.65	J	mg/kg	SB16-27-0-2	1/24	0.25 - 3.27	0.65	N/A	1.3E+01 N	N/A	N/A	No	BSL
7440-62-2	VANADIUM	4 6		18.9		mg/kg	SB16-22-6-8	24/24	0 09 - 1.32	18.9	N/A	1.4E+03 N	N/A	N/A	No	BSL
7440-66-6	ZINC	17 3	J	1610	J	mg/kg	SB16-28-4-6	24/24	0.12 - 1.5	1610	N/A	1 0E+05	N/A	N/A	No	BSL
							PAHs									
91-57-6	**2-METHYLNAPHTHALENE**	**0.03**		**49**		**mg/kg**	**SB16-28-4-6**	**5/53**	**0.02 - 2.4**	**49**	**N/A**	**1.9E+01 N**	**N/A**	**N/A**	**Yes**	**ASL**
83-32-9	ACENAPHTHENE	0.014		15.1	J	mg/kg	28-SB-01D	13/61	0 02 - 2.4	15.1	N/A	3.8E+03 N	N/A	N/A	No	BSL
208-96-8	ACENAPHTHYLENE	0.012		0 77	U / _	mg/kg	SB16-21-0-2	7/61	0.02 - 2.4	0.77	N/A	3.8E+03 N	N/A	N/A	No	BSL
120-12-7	ANTHRACENE	0 005	J	4.6	J	mg/kg	28-SB-01B	21/61	0.02 - 2.4	4 6	N/A	1 0E+05	N/A	N/A	No	BSL
56-55-3	**BENZ[A]ANTHRACENE**	**0.004**		**4.45**		**mg/kg**	**SB16-21-0-2**	**32/61**	**0.02 - 2.4**	**4.45**	**N/A**	**2.9E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
50-32-8	**BENZO[A]PYRENE**	**0.004**	**J**	**2.45**	**J**	**mg/kg**	**28-SB-01D**	**34/61**	**0.02 - 2.4**	**2.45**	**N/A**	**2.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
205-99-2	**BENZO[B]FLUORANTHENE**	**0.008**		**7.4**		**mg/kg**	**SB16-21-0-2**	**36/61**	**0.02 - 2.4**	**7.4**	**N/A**	**2.9E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
191-24-2	BENZO[G,H,I]PERYLENE	0.003	J	2 05	J	mg/kg	28-SB-01D	30/61	0.02 - 2 4	2.05	N/A	5 4E+03 N	N/A	N/A	No	BSL
207-08-9	BENZO[K]FLUORANTHENE	0 003		1.8		mg/kg	SB16-21-0-2	26/61	0 02 - 2.4	1.8	N/A	2 9E+01 C	N/A	N/A	No	BSL
218-01-9	CHRYSENE	0 015	J	4.75		mg/kg	SB16-21-0-2	35/61	0 02 - 2 4	4.75	N/A	2.9E+02 C	N/A	N/A	No	BSL
53-70-3	**DIBENZ[A,H]ANTHRACENE**	**0.009**		**0.75**	**U / _**	**mg/kg**	**SB16-21-0-2**	**17/61**	**0.002 - 2.4**	**0.75**	**N/A**	**2.9E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
206-44-0	FLUORANTHENE	0.017	J	5 5		mg/kg	SB16-28-4-6	35/61	0 02 - 2 4	5.5	N/A	3 0E+03 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	0.005	J	5 1	J	mg/kg	SB16-28-4-6	13/61	0 007 - 2 4	5.1	N/A	3 3E+03 N	N/A	N/A	No	BSL
193-39-5	INDENO[1,2,3-C,D]PYRENE	0 002	J	2.3		mg/kg	SB16-21-0-2	31/61	0 02 - 2.4	2.3	N/A	2.9E+00 C	N/A	N/A	No	BSL
91-20-3	NAPHTHALENE	0 006		12		mg/kg	SB16-28-4-6	10/61	0 02 - 2 4	12	N/A	1 9E+01 N	N/A	N/A	No	BSL
85-01-8	PHENANTHRENE	0 006	J	13	J	mg/kg	SB16-28-4-6	31/61	0 02 - 2 4	13	N/A	5.4E+03 N	N/A	N/A	No	BSL
129-00-0	PYRENE	0 013	J	6 4		mg/kg	SB16-21-0-2	36/61	0 02 - 2.4	6 4	N/A	5 4E+03 N	N/A	N/A	No	BSL

TABLE 2.4
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - TOTAL SOIL - INDUSTRIAL

Scenario Timeframe: Current/Future
Medium: Total Soil
Exposure Medium: Total Soil
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential - ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							PCBs									
11096-82-5	AROCLOR-1260	0.014	U / _	0.014	U / _	mg/kg	SB16-21-0-2	1/24	0.018 - 0.04	0.014	N/A	1.0E+00 C	N/A	N/A	No	BSL
							Pesticides									
319-84-6	ALPHA-HCH	0.0024	J	0.0024	J	mg/kg	SB16-28-0-2	1/23	0.0018 - 0.0041	0.0024	N/A	5.9E-01 C	N/A	N/A	No	BSL
72-54-8	DDD	0.002925	UJ / J	0.002925	UJ / J	mg/kg	SB16-27-2-4	1/23	0.0034 - 0.008	0.002925	N/A	1.7E+01 C	N/A	N/A	No	BSL
50-29-3	DDT	0.0037		0.0037		mg/kg	SB16-26-0-2/SB16-26-2-4	2/23	0.0034 - 0.008	0.0037	N/A	1.2E+01 C	N/A	N/A	No	BSL
7421-93-4	ENDRIN ALDEHYDE	0.0047		0.0047		mg/kg	SB16-23-3-5	1/23	0.0034 - 0.008	0.0047	N/A	2.6E+01 N	N/A	N/A	No	BSL
5103-74-2	GAMMA-CHLORDANE	0.0029	J	0.0089	J	mg/kg	SB16-28-4-6	2/24	0.0018 - 0.0041	0.0089	N/A	1.1E+01 C	N/A	N/A	No	BSL
							Semivolatiles									
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J	0.37	U / _	mg/kg	MW16-07S-05-07	8/53	0.13 - 0.44	0.37	N/A	1.8E+02 C	N/A	N/A	No	BSL
86-74-8	CARBAZOLE	0.066	J	0.405	J	mg/kg	SB16-21-0-2	2/53	0.069 - 0.44	0.405	N/A	1.2E+02 C	N/A	N/A	No	BSL
132-64-9	DIBENZOFURAN	0.16	J	0.16	J	mg/kg	EBS-28-SB12-6-8	1/53	0.052 - 0.44	0.16	N/A	5.1E+02 N	N/A	N/A	No	BSL
84-74-2	DIBUTYLPHTHALATE	0.04	J	0.12	J	mg/kg	EBS-28-SB04-2-4	9/53	0.093 - 0.44	0.12	N/A	8.8E+03 N	N/A	N/A	No	BSL
84-66-2	DIETHYLPHTHALATE	0 061	J	0.061	J	mg/kg	EBS-28-SB12-6-8	1/53	0 069 - 0.44	0.061	N/A	1 0E+05	N/A	N/A	No	BSL
							Volatiles									
78-93-3	2-BUTANONE	0.007	J	0.012		mg/kg	SB16-27-0-2	6/54	0.004 - 0.665	0.012	N/A	2.8E+03 N	N/A	N/A	No	BSL
67-64-1	ACETONE	0 008		75	J	mg/kg	EBS-28-SB06-8-10	31/54	0.003 - 0.665	75	N/A	6.2E+02 N	N/A	N/A	No	BSL
71-43-2	BENZENE	0 008	J	0.034	J	mg/kg	SB16-28-4-6	2/54	0.001 - 0.335	0.034	N/A	1.5E+00 C	N/A	N/A	No	BSL
75-15-0	CARBON DISULFIDE	0.004		0.011		mg/kg	SB16-24-7-9	2/54	0.002 - 0.335	0.011	N/A	7.2E+02	N/A	N/A	No	BSL
100-41-4	ETHYLBENZENE	0.35		0.35		mg/kg	SB16-28-4-6	1/54	0.002 - 0.335	0.35	N/A	2.3E+02	N/A	N/A	No	BSL
MPXYLENES	M,P-XYLENES	0.62		0.62		mg/kg	SB16-28-4-6	1/20	0.005 - 0.335	0.62	N/A	2.1E+02	N/A	N/A	No	BSL
75-09-2	METHYLENE CHLORIDE	0.003	J	0.21	J	mg/kg	MW16-07S-05-07	7/54	0.001 - 0 335	0 21	N/A	2 1E+01 C	N/A	N/A	No	BSL
95-47-6	O-XYLENE	0.29		0.29		mg/kg	SB16-28-4-6	1/20	0.005 - 0.335	0.29	N/A	2.1E+02	N/A	N/A	No	BSL
108-88-3	TOLUENE	0.006	J	0.17		mg/kg	SB16-28-4-6	2/54	0.001 - 0.335	0.17	N/A	5 2E+02	N/A	N/A	No	BSL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used as screening value.
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000. For non-carcinogens, value shown is equal to 1/10 the Industrial PRG. For carcinogens the value shown is equal to the Industrial PRG.
(4) Rationale Codes

Selection Reason:	Above Screening Toxicity and Background Levels (ASL)
Deletion Reason:	Essential Nutrient (NUT)
	Below Screening Toxicity Level (BSL)

Surrogates. acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions
N/A = Not Applicable
ND = No Data

COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers:
J = Indicates an estimated value.
U = Analyte not detected at the given concentration limit.

TABLE 2.5
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - SEEP WATER - TAP WATER

Scenario Timeframe Current/Future
Medium: Seep Water
Exposure Medium Seep Water
Exposure Point Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Inorganics									
7429-90-5	ALUMINUM	2630		2630		ug/l	28-SP-01	1/3	14 - 300	2630	N/A	3 6E+03 N	N/A	N/A	No	BSL
7440-38-2	**ARSENIC**	**1.9**	**J**	**1.9**	**J**	**ug/l**	**28-SP-01**	**1/3**	**1.8 - 8**	**1.9**	**N/A**	**4.5E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
7440-39-3	**BARIUM**	**2.3**		**370**		**ug/l**	**28-SP-01**	**3/3**	**5 - 7.4**	**370**	**N/A**	**2.6E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-41-7	BERYLLIUM	0 21	J	0 21	J	ug/l	28-SP-01	1/3	0.2 - 5	0.21	N/A	7 3E+00 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	26700		47250		ug/l	SEEP16-01	2/3	21.3 - 50	47250	N/A	N/A	N/A	N/A	No	NUT
7440-48-4	COBALT	10.2		10 2		ug/l	SEEP16-02	1/3	6 3 - 30	10.2	N/A	2 2E+02 N	N/A	N/A	No	BSL
7440-50-8	COPPER	10.7	_ / U	10 7	_ / U	ug/l	SEEP16-01	1/3	4.1 - 25	10 7	N/A	1 4E+02 N	N/A	N/A	No	BSL
7439-89-6	IRON	6480		29600		ug/l	SEEP16-01	2/3	100 - 130	29600	N/A	N/A	N/A	N/A	No	NUT
7439-92-1	**LEAD**	**7.45**	**U / _**	**29.3**		**ug/l**	**28-SP-01**	**2/3**	**1 - 5**	**29.3**	**N/A**	**3.6E-02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7439-95-4	MAGNESIUM	4830		27000		ug/l	SEEP16-02	3/3	32.9 - 50	27000	N/A	N/A	N/A	N/A	No	NUT
7439-96-5	**MANGANESE**	**445.5**		**2170**		**ug/l**	**SEEP16-02**	**2/3**	**1 - 5**	**2170**	**N/A**	**8.8E+01 N**	**N/A**	**N/A**	**Yes**	**ASL**
7439-97-6	MERCURY (INORGANIC)	0.1		0.1		ug/l	SEEP16-02	1/3	0.1 - 0 2	0.1	N/A	1 1E+00 N	N/A	N/A	No	BSL
7440-02-0	NICKEL	1 1	J	1.1	J	ug/l	SEEP16-02	1/3	9 6 - 40	1.1	N/A	7.3E+01 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	3600		10800		ug/l	SEEP16-02	2/3	84.2 - 1000	10800	N/A	N/A	N/A	N/A	No	NUT
7440-23-5	SODIUM	13450		182000		ug/l	SEEP16-02	3/3	28 1 - 1000	182000	N/A	N/A	N/A	N/A	No	NUT
7440-62-2	VANADIUM	7.85	_ / U	8.1	J	ug/l	28-SP-01	2/3	3.2 - 25	8 1	N/A	2 6E+01 N	N/A	N/A	No	BSL
7440-66-6	ZINC	18 05	_ / U	43.8		ug/l	SEEP16-02	2/3	6.8 - 25	43 8	N/A	1.1E+03 N	N/A	N/A	No	BSL
							PAHs									
91-57-6	**2-METHYLNAPHTHALENE**	**0.95**		**0.95**		**ug/l**	**SEEP16-01**	**1/3**	**0.2 - 1**	**0.95**	**N/A**	**6.2E-01 N**	**N/A**	**N/A**	**Yes**	**ASL**
83-32-9	ACENAPHTHENE	17		35 5		ug/l	SEEP16-01	2/3	0.2 - 1	35 5	N/A	3 7E+01 N	N/A	N/A	No	BSL
208-96-8	ACENAPHTHYLENE	0 2	_ / J	0 2	_ / J	ug/l	SEEP16-01	1/3	0 2 - 1	0 2	N/A	3.7E+01 N	N/A	N/A	No	BSL
120-12-7	ANTHRACENE	1 5	J	1.5	J	ug/l	SEEP16-01	1/3	0 2 - 1	1 5	N/A	1.8E+02 N	N/A	N/A	No	BSL
206-44-0	FLUORANTHENE	2 5	J	4		ug/l	28-SP-01	2/3	0 2 - 1	4	N/A	1 5E+02 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	12		14.5		ug/l	SEEP16-01	2/3	0.2 - 1	14 5	N/A	2 4E+01 N	N/A	N/A	No	BSL
91-20-3	**NAPHTHALENE**	**3**		**4**	**_ / J**	**ug/l**	**SEEP16-01**	**2/3**	**0.2 - 2**	**4**	**N/A**	**6.2E-01 N**	**N/A**	**N/A**	**Yes**	**ASL**
85-01-8	PHENANTHRENE	7		7	_ / J / _	ug/l	28-SP-01/SEEP16-01	2/3	0 2 - 1	7	N/A	1 8E+01 N	N/A	N/A	No	BSL
129-00-0	PYRENE	1		2		ug/l	28-SP-01	2/3	0 2 - 1	2	N/A	1 8E+01 N	N/A	N/A	No	BSL
							Pesticides									
319-84-6	**ALPHA-HCH**	**0.0325**	**_ / J**	**0.0325**	**_ / J**	**ug/l**	**SEEP16-01**	**1/3**	**0.001 - 0.05**	**0.0325**	**N/A**	**1.1E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**
60-57-1	**DIELDRIN**	**0.02**		**0.02**		**ug/l**	**28-SP-01**	**1/3**	**0.003 - 0.1**	**0.02**	**N/A**	**4.2E-03 C**	**N/A**	**N/A**	**Yes**	**ASL**
72-20-8	ENDRIN	0 0039	J	0 0039	J	ug/l	28-SP-01	1/3	0 003 - 0.1	0 0039	N/A	1 1E+00 N	N/A	N/A	No	BSL
1024-57-3	**HEPTACHLOR EPOXIDE**	**0.02**	**J**	**0.02**	**J**	**ug/l**	**28-SP-01**	**1/3**	**0.001 - 0.05**	**0.02**	**N/A**	**7.4E-03 C**	**N/A**	**N/A**	**Yes**	**ASL**
							Semivolatiles									
132-64-9	**DIBENZOFURAN**	**8**		**11.5**		**ug/l**	**SEEP16-01**	**2/2**	**1 - 10**	**11.5**	**N/A**	**2.4E+00 N**	**N/A**	**N/A**	**Yes**	**ASL**
							Volatiles									
156-59-2	CIS-1,2-DICHLOROETHENE	0 7		0 7		ug/l	SEEP16-02	1/2	2 - 2	0 7	N/A	6 1E+00 N	N/A	N/A	No	BSL
540-59-0	TOTAL 1,2-DICHLOROETHENE	0 7		0 7		ug/l	SEEP16-02	1/3	1 - 1	0.7	N/A	6 1E+00 N	N/A	N/A	No	BSL
79-01-6	TRICHLOROETHENE	0 7		0 7		ug/l	SEEP16-02	1/3	1 - 1	0 7	N/A	1.6E+00 C	N/A	N/A	No	BSL
75-01-4	**VINYL CHLORIDE**	**0.45**	**_ / J**	**0.45**	**/ J**	**ug/l**	**SEEP16-01**	**1/3**	**1 - 2**	**0.45**	**N/A**	**4.1E-02 C**	**N/A**	**N/A**	**Yes**	**ASL**

(1) Minimum/maximum detected concentration
(2) Maximum concentration used as screening value.
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000 For non-carcinogens, value shown is equal to 1/10 the Tap Water PRG. For carcinogens the value shown is equal to the Tap Water PRG
(4) Rationale Codes — Selection Reason: Above Screening Toxicity and Background Levels (ASL); Deletion Reason: Essential Nutrient (NUT); Below Screening Toxicity Level (BSL)

Surrogates acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions
N/A = Not Applicable
ND = No Data
COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers
J = Indicates an estimated value
U = Analyte not detected at the given concentration limit

TABLE 2.6
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - GROUNDWATER - TAP WATER

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Inorganics									
7429-90-5	ALUMINUM	413		3360	J	ug/l	MW16-23D	13/42	300 - 300	3,360	5,315	3.6E+03 N	N/A	N/A	No	BSL
7440-38-2	ARSENIC	2.8	J	2.8	J	ug/l	MW16-07D/MW16-04D	2/42	8 - 8	2 8	6.4	4.5E-02 C	N/A	N/A	No	BBL, FD
7440-39-3	**BARIUM**	**3.2**		**923.5**		**ug/l**	**MW16-07S**	**42/42**	**5 - 5**	**923.5**	**80.5**	**2.6E+02 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-41-7	BERYLLIUM	1.34	U / J	1 34	U / J	ug/l	MW16-10D	1/42	5 - 5	1.34	1.3	7.3E+00 N	N/A	N/A	No	BSL
7440-43-9	CADMIUM	0.31		0.31		ug/l	MW16-19D	1/42	10 - 10	0.31	3	1.8E+00 N	N/A	N/A	No	BSL
7440-70-2	CALCIUM METAL	4910		534000		ug/l	MW16-28R	42/42	50 - 500	534,000	13,302	N/A	N/A	N/A	No	NUT
7440-47-3	CHROMIUM	0.63	J	7.5		ug/l	MW16-28R	23/42	15 - 15	7.5	214	1.1E+01 N	N/A	N/A	N/A	N/A
7440-48-4	COBALT	1.1	J	8.1	U / J	ug/l	MW16-05D	26/42	30 - 30	8.1	24.9	2.2E+02 N	N/A	N/A	No	BSL
7440-50-8	COPPER	1.6	J	6 685	J / U	ug/l	MW16-25R	4/42	25 - 25	7	25.8	1.4E+02 N	N/A	N/A	No	BSL
7439-89-6	IRON	69	J	27800	J	ug/l	MW16-05S	40/42	100 - 100	27,800	25,500	N/A	N/A	N/A	No	NUT
7439-92-1	**LEAD**	**1.6**	**J**	**51.25**	**J**	**ug/l**	**MW16-25R**	**17/42**	**5 - 5**	**51.25**	**4.8**	**3.6E-03**	**N/A**	**N/A**	**Yes**	**ASL**
7439-95-4	MAGNESIUM	1290		146000		ug/l	MW16-28R	42/42	50 - 50	146,000	5,126	N/A	N/A	N/A	No	NUT
7439-96-5	**MANGANESE**	**1.5**		**5270**		**ug/l**	**MW16-28R**	**42/42**	**5 - 5**	**5,270**	**3,292**	**8.8E+01 N**	**N/A**	**N/A**	**Yes**	**ASL**
7440-02-0	NICKEL	1.1	J	9 6		ug/l	MW16-15D	28/42	40 - 40	9.6	154	7.3E+01 N	N/A	N/A	No	BSL
7440-09-7	POTASSIUM	1350		33100		ug/l	MW16-28R	42/42	1000 - 10000	33,100	3,843	N/A	N/A	N/A	No	NUT
7782-49-2	SELENIUM	3.5	J	4 25	U / J	ug/l	MW16-10D	2/42	10 - 10	4.25	2 2	1.8E+01 N	N/A	N/A	No	BSL
7440-22-4	SILVER	1.2	J	1.2	J	ug/l	MW16-28R/MW16-17D	2/42	15 - 15	1.2	1	1.8E+01 N	N/A	N/A	No	BSL
7440-23-5	SODIUM	4840	J	1880000		ug/l	MW16-28R	42/42	1000 - 10000	1,880,000	12,346	N/A	N/A	N/A	No	NUT
7440-62-2	VANADIUM	0.53	J	6.54	U / J	ug/l	MW16-15D	17/42	25 - 25	6.54	24.4	2.6E+01 N	N/A	N/A	No	BSL
7440-66-6	ZINC	1.8		162		ug/l	MW16-28R	36/42	25 - 25	162	89.9	1 1E+03 N	N/A	N/A	No	BSL
							PAHs									
83-32-9	ACENAPHTHENE	0 1		0 1		ug/l	MW16-04S	1/42	0.2 - 1 1	0.1	N/A	3.7E+01 N	N/A	N/A	No	BSL
206-44-0	FLUORANTHENE	0.1		0.75	J	ug/l	MW16-07S	2/42	0.2 - 1.1	0 75	N/A	1.5E+02 N	N/A	N/A	No	BSL
86-73-7	FLUORENE	0.1		0 1		ug/l	MW16-04S	1/42	0.2 - 1.1	0.1	N/A	2.4E+01 N	N/A	N/A	No	BSL
91-20-3	NAPHTHALENE	0.1		0.2	J	ug/l	MW16-09D	3/42	0.2 - 1 1	0.2	N/A	6.2E-01 N	N/A	N/A	No	BSL
85-01-8	PHENANTHRENE	0.06		0.1		ug/l	MW16-04S	2/42	0.2 - 1 1	0.1	N/A	1.8E+01 N	N/A	N/A	No	BSL
							Pesticides									
319-85-7	BETA-HCH	0 011		0.011		ug/l	MW16-07D	1/42	0.05 - 0.053	0 011	N/A	3.7E-02 C	N/A	N/A	No	BSL
5103-74-2	GAMMA-CHLORDANE	0 004	J	0.004	J	ug/l	MW16-02R	1/42	0.05 - 0.053	0.004	N/A	1.9E-01 C	N/A	N/A	N/A	N/A
							Semivolatiles									
106-46-7	**1,4-DICHLOROBENZENE**	**2**	**J**	**2**	**J**	**ug/l**	**MW16-08D**	**1/41**	**10 - 11**	**2**	**N/A**	**5.0E-01 C**	**N/A**	**N/A**	**Yes**	**ASL**
117-81-7	**BIS(2-ETHYLHEXYL)PHTHALATE**	**5**		**11.5**	**UJ / J**	**ug/l**	**MW16-07S**	**5/41**	**10 - 11**	**11.5**	**N/A**	**4.8E+00 C**	**N/A**	**N/A**	**Yes**	**ASL**
84-74-2	DIBUTYLPHTHALATE	0.6		0.9		ug/l	MW16-19D	2/41	10 - 11	0 9	N/A	3.6E+02 N	N/A	N/A	No	BSL

TABLE 2.6
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
DAVISVILLE - SITE 16 - GROUNDWATER - TAP WATER

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater
Exposure Point: Davisville Site 16

CAS Number	Chemical	Minimum (1) Concentration	Minimum Qualifier	Maximum (1) Concentration	Maximum Qualifier	Units	Location of Maximum Concentraion	Detection Frequency	Range of Detection Limits	Concentration (2) Used for Screening	Background Value	Screening (3) Toxicity Value	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag	Rationale for (4) Contaminant Deletion or Selection
							Volatiles									
79-00-5	1,1,2-TRICHLOROETHANE	0.3		1		ug/l	MW16-21D	3/41	1 - 50	1	N/A	2.0E-01 C	N/A	N/A	Yes	ASL
75-34-3	1,1-DICHLOROETHANE	0.4	J	0.6		ug/l	MW16-16D	2/41	1 - 50	0.6	N/A	8.1E+01 N	N/A	N/A	No	BSL
75-35-4	1,1-DICHLOROETHENE	0.5		2		ug/l	MW16-02R	9/41	1 - 50	2	N/A	4.6E-02 C	N/A	N/A	Yes	ASL
107-06-2	1,2-DICHLOROETHANE	0.3		0.4	_ / U / _	ug/l	MW16-10D/MW16-25D	5/41	1 - 50	0.4	N/A	1.2E-01 C	N/A	N/A	Yes	ASL
78-93-3	2-BUTANONE	1		6		ug/l	MW16-07S	2/41	5 - 250	6	N/A	1.9E+02 N	N/A	N/A	No	BSL
108-10-1	4-METHYL-2-PENTANONE	1.75	U / _	1.75	U / _	ug/l	MW16-07S	1/41	3 - 150	1.75	N/A	1.6E+01 N	N/A	N/A	No	BSL
67-64-1	ACETONE	0.8	J	130	J	ug/l	MW16-15R	6/40	5 - 250	130	N/A	6.1E+01 N	N/A	N/A	Yes	ASL
71-43-2	BENZENE	0.5		1		ug/l	MW16-20D	3/41	1 - 50	1	N/A	3.5E-01 C	N/A	N/A	Yes	ASL
75-15-0	CARBON DISULFIDE	0.5	J	4		ug/l	MW16-10R	5/41	1 - 50	4	N/A	1.0E+02 N	N/A	N/A	No	BSL
75-00-3	CHLOROETHANE	0.6		0.6		ug/l	MW16-14D	1/41	2 - 100	0.6	N/A	4.6E+00 C	N/A	N/A	No	BSL
67-66-3	CHLOROFORM	0.45	U / _	0.5	J	ug/l	MW16-29D	2/41	1 - 50	0.5	N/A	1.2E+00 N	N/A	N/A	Yes	ASL
156-59-2	CIS-1,2-DICHLOROETHENE	0.8		110		ug/l	MW16-15R	16/41	2 - 100	110	N/A	6.1E+00 N	N/A	N/A	Yes	ASL
100-41-4	ETHYLBENZENE	0.5	U / _	0 65		ug/l	MW16-07S	2/41	1 - 50	0.65	N/A	1.3E+02 N	N/A	N/A	No	BSL
95-47-6	O-XYLENE	0.45		0.5		ug/l	MW16-15D	2/41	1 - 50	0.5	N/A	1.4E+02 N	N/A	N/A	No	BSL
127-18-4	TETRACHLOROETHENE	0.4		0.7		ug/l	MW16-15D	4/41	1 - 50	0.7	N/A	1 1E+00 C	N/A	N/A	No	BSL
108-88-3	TOLUENE	0 45		0 85		ug/l	MW16-25R	3/41	1 - 50	0.85	N/A	7.2E+01 N	N/A	N/A	No	BSL
540-59-0	TOTAL 1,2-DICHLOROETHENE	0.8		110		ug/l	MW16-15R	16/41	1 - 50	110	N/A	6.1E+00 N	N/A	N/A	Yes	ASL
156-60-5	TRANS-1,2-DICHLOROETHENE	0.6		3	J	ug/l	MW16-29D	7/41	2 - 100	3	N/A	1.2E+01 N	N/A	N/A	No	BSL
79-01-6	TRICHLOROETHENE	0.5		6300		ug/l	MW16-15D	29/41	1 - 50	6300	N/A	1.6E+00 C	N/A	N/A	Yes	ASL
75-01-4	VINYL CHLORIDE	0.9		2	J	ug/l	MW16-29D	2/41	2 - 100	2	N/A	4.1E-02 C	N/A	N/A	Yes	ASL

(1) Minimum/maximum detected concentration.
(2) Maximum concentration used as screening value.
(3) Screening Toxicity Value - Taken from USEPA Region IX Preliminary Remediation Goals (PRGs) Table, USEPA, November 2000. For non-carcinogens, value shown is equal to 1/10 the Tap Water PRG. For carcinogens the value shown is equal to the Tap Water PRG.
(4) Rationale Codes

Selection Reason: Above Screening Toxicity and Background Levels (ASL)
Deletion Reason: Essential Nutrient (NUT)
Below Screening Toxicity Level (BSL)
Below Background Level (BBL)
Frequency of Detection is less than 5% (FD)

Surrogates: acenaphthene for acenaphthylene, pyrene for benzo(g,h,i)perylene and phenanthrene

Definitions:
N/A = Not Applicable
ND = No Data

COPC = Chemical of Potential Concern
ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered
C = Carcinogenic
N = Non-Carcinogenic

Qualifiers:
J = Indicates an estimated value.
U = Analyte not detected at the given concentration limit.

TABLE 2.7
SITEWIDE BACKGROUND INORGANIC CONCENTRATIONS
DAVISVILLE SITE 16

Analyte	Units	Average Concentration Arithmetic	Average Concentration Geometric	Standard Deviation	Sitewide Background Value	Origin of Background Value
Aluminum	ug/L	1845	466	3253	5315	95% UCL
Antimony	ug/L	3.8	2.9	2.3	12	#
Arsenic	ug/L	1.6	1.3	1.5	6.4	MW-Z2-3
Barium	ug/L	25.5	20.4	17.6	80.5	MW-WD-2
Beryllium	ug/L	0.6	0.5	0.19	1.3	MW-WD-2
Cadmium	ug/L	0.9	0.7	0.5	3	###
Calcium	ug/L	10489	8432	6468	13302	95% UCL
Chromium	ug/L	39	12	64	214	MW-Z1-4
Cobalt	ug/L	8	6.7	6	24.9	MW-Z3-1
Copper	ug/L	6.1	5.3	5.1	25.8	MW-WD-2
Iron	ug/L	8853	2589	9175	25500	MW-Z2-3
Lead	ug/L	1.2	0.8	1.3	4.8	MW-WD-2
Magnesium	ug/L	2850	2006	2371	5126	95% UCL
Manganese	ug/L	937	390	1146	3292	95% UCL
Mercury	ug/L	0.2	0.2	0	ND (0.2)	ALL 17 WELLS
Nickel	ug/L	35	18	46	154	MW-Z1-4
Potassium	ug/L	2688	2159	2057	3843	95% UCL
Selenium	ug/L	1	1	0.5	2.2	MW-WD-3
Silver	ug/L	1	1	0	1	##
Sodium	ug/L	8748	7542	4348	12346	95% UCL
Thallium	ug/L	1.2	0.9	0.9	4.1	MW-Z2-4
Vanadium	ug/L	6.18	5.3	4.99	24.4	MW-WD-2
Zinc	ug/L	24.7	15.5	24.2	89.9	MW-WD-2

Notes:
NA - not applicable
Proposed background value determined from the data set of NCBC background wells.
Shaded area indicates proposed background inorganic values.
Origin of Background Value - all background values are based on the more conservative of the 95% UCL (as determined by EPA Region I) or the maximum detection concentration.
- MW-Z1-4, MW-Z3-1, MW-Z4-2, MW-WD-1, MW-WD-3
- MW-Z1-1, MW-Z1-2, MW-Z1-3, MW-Z1-4, MW-Z2-1, MW-Z2-3, MW-Z2-4, MW-Z2-5, MW-Z2-6, MW-Z3-1, MW-Z4-2, MW-WD-1, MW-WD-3
- MW-Z1-4, MW-Z4-2, MW-WD-3
For statistical analyses, half of the detection limit was used for an analyte that was not detected.

TABLE 3.1
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - SURFACE SOIL - RESIDENTIAL

Scenario Timeframe. Current/Future
Medium Surface Soil
Exposure Medium Surface Soil
Exposure Point Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	Reasonable Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Dioxin/Furans												
TCDD-TEQ	mg/kg	1.13E-05	N/A	4 52E-05		mg/kg	3 79E-05	95% UCL-T	W - Test (1)	3 79E-05	95% UCL-T	Regional Guidance
Inorganics												
ALUMINUM	mg/kg	4 61E+03	N/A	8.59E+03		mg/kg	5.97E+03	95% UCL-T	W - Test (1)	5 97E+03	95% UCL-T	Regional Guidance
ARSENIC	mg/kg	1 87E+00	2.67E+00	4.00E+00		mg/kg	2.67E+00	95% UCL-N	W - Test (3)	2.67E+00	95% UCL-N	Regional Guidance
MANGANESE	mg/kg	1 45E+02	N/A	2 48E+02	J	mg/kg	1.85E+02	95% UCL-T	W - Test (1)	1 85E+02	95% UCL-T	Regional Guidance
THALLIUM	mg/kg	2.14E-01	N/A	6 50E-01	J	mg/kg	3 07E-01	95% UCL-T	W - Test (1)	3.07E-01	95% UCL-T	Regional Guidance
PAHs												
BENZ[A]ANTHRACENE	mg/kg	3 39E-01	N/A	4.45E+00		mg/kg	5.61E-01	95% UCL-T	W - Test (1)	5.61E-01	95% UCL-T	Regional Guidance
BENZO[A]PYRENE	mg/kg	2 59E-01	N/A	2 35E+00		mg/kg	4.68E-01	95% UCL-T	W - Test (1)	4 68E-01	95% UCL-T	Regional Guidance
BENZO[B]FLUORANTHENE	mg/kg	4 88E-01	N/A	7.40E+00		mg/kg	6 78E-01	95% UCL-T	W - Test (1)	6.78E-01	95% UCL-T	Regional Guidance
DIBENZ[A,H]ANTHRACENE	mg/kg	1.25E-01	N/A	7.50E-01	U / _	mg/kg	3.81E-01	95% UCL-T	W - Test (1)	3 81E-01	95% UCL-T	Regional Guidance
INDENO[1,2,3-C,D]PYRENE	mg/kg	2 20E-01	N/A	2 30E+00		mg/kg	4 17E-01	95% UCL-T	W - Test (1)	4.17E-01	95% UCL-T	Regional Guidance

Statistics Maximum Detected Value (Max), 95% UCL of Normal Data (95% UCL-N), 95% UCL of Log-transformed Data (95% UCL-T); Mean of Normal Data (Mean)

(1) Shapiro-Wilk W Test indicates data are log-normally distributed.
(2) 95% UCL exceeds maximum detected concentration Therefore, maximum concentration used for EPC.
(3) Shapiro-Wilk W Test indicates data are normally distributed

TABLE 3.2
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - SURFACE SOIL - INDUSTRIAL

Scenario Timeframe. Current/Future
Medium. Surface Soil
Exposure Medium Surface Soil
Exposure Point Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	Reasonable Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Dioxin/Furans												
TCDD-TEQ	mg/kg	1 13E-05	N/A	4.52E-05		mg/kg	3 79E-05	95% UCL-T	W - Test (1)	3.79E-05	95% UCL-T	Regional Guidance
Inorganics												
ARSENIC	mg/kg	1 87E+00	2.67E+00	4 00E+00		mg/kg	2 67E+00	95% UCL-N	W - Test (3)	2 67E+00	95% UCL-N	Regional Guidance
PAHs												
BENZ[A]ANTHRACENE	mg/kg	3.39E-01	N/A	4.45E+00		mg/kg	5.61E-01	95% UCL-T	W - Test (1)	5.61E-01	95% UCL-T	Regional Guidance
BENZO[A]PYRENE	mg/kg	2 59E-01	N/A	2 35E+00		mg/kg	4.68E-01	95% UCL-T	W - Test (1)	4.68E-01	95% UCL-T	Regional Guidance
BENZO[B]FLUORANTHENE	mg/kg	4 88E-01	N/A	7 40E+00		mg/kg	6 78E-01	95% UCL-T	W - Test (1)	6 78E-01	95% UCL-T	Regional Guidance
DIBENZ[A,H]ANTHRACENE	mg/kg	1 25E-01	N/A	7 50E-01	U /	mg/kg	3.81E-01	95% UCL-T	W - Test (1)	3 81E-01	95% UCL-T	Regional Guidance

Statistics Maximum Detected Value (Max); 95% UCL of Normal Data (95% UCL-N); 95% UCL of Log-transformed Data (95% UCL-T); Mean of Normal Data (Mean)

(1) Shapiro-Wilk W Test indicates data are log-normally distributed.
(2) 95% UCL exceeds maximum detected concentration Therefore, maximum concentration used for EPC
(3) Shapiro-Wilk W Test indicates data are normally distributed.

TABLE 3.3
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - TOTAL SOIL - RESIDENTIAL

Scenario Timeframe Current/Future
Medium Total Soil
Exposure Medium Total Soil
Exposure Point: Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	Reasonable Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Dioxin/Furans												
TCDD-TEQ	mg/kg	5 68E-05	N/A	4 97E-04		mg/kg	1 91E-04	95% UCL-T	W - Test (1)	1 91E-04	95% UCL-T	Regional Guidance
Inorganics												
ALUMINUM	mg/kg	5 57E+03	N/A	1 24E+04		mg/kg	6 61E+03	95% UCL-T	W - Test (1)	6.61E+03	95% UCL-T	Regional Guidance
ANTIMONY	mg/kg	9 61E-01	N/A	8.70E+00		mg/kg	1 32E+00	95% UCL-T	W - Test (1)	1.32E+00	95% UCL-T	Regional Guidance
ARSENIC	mg/kg	2 45E+00	N/A	1 06E+01		mg/kg	8.64E+00	95% UCL-T	W - Test (1)	8 64E+00	95% UCL-T	Regional Guidance
BARIUM	mg/kg	7 81E+01	N/A	1 10E+03		mg/kg	8 50E+01	95% UCL-T	W - Test (1)	8.50E+01	95% UCL-T	Regional Guidance
COPPER	mg/kg	4 28E+01	N/A	4 52E+02	J	mg/kg	5 56E+01	95% UCL-T	W - Test (1)	5.56E+01	95% UCL-T	Regional Guidance
LEAD	mg/kg	1.60E+02	N/A	2.65E+03		mg/kg	2 60E+02	95% UCL-T	W - Test (1)	2 60E+02	95% UCL-T	Regional Guidance
MANGANESE	mg/kg	1 66E+02	N/A	5 87E+02	J	mg/kg	2 00E+02	95% UCL-T	W - Test (1)	2 00E+02	95% UCL-T	Regional Guidance
THALLIUM	mg/kg	2 76E-01	N/A	6 50E-01	J	mg/kg	3 36E-01	95% UCL-T	W - Test (1)	3 36E-01	95% UCL-T	Regional Guidance
PAHs												
2-METHYLNAPHTHALENE	mg/kg	1 19E+00	N/A	4 90E+01		mg/kg	7.70E-01	95% UCL-T	Y - Test (4)	7.70E-01	95% UCL-T	Regional Guidance
BENZ[A]ANTHRACENE	mg/kg	3 19E-01	N/A	4 45E+00		mg/kg	4.27E-01	95% UCL-T	Y - Test (4)	4 27E-01	95% UCL-T	Regional Guidance
BENZO[A]PYRENE	mg/kg	2 89E-01	N/A	2 45E+00	J	mg/kg	4.18E-01	95% UCL-T	Y - Test (4)	4.18E-01	95% UCL-T	Regional Guidance
BENZO[B]FLUORANTHENE	mg/kg	4.27E-01	N/A	7 40E+00		mg/kg	5.17E-01	95% UCL-T	Y - Test (4)	5.17E-01	95% UCL-T	Regional Guidance
DIBENZ[A,H]ANTHRACENE	mg/kg	1 51E-01	N/A	7.50E-01	U / _	mg/kg	3.11E-01	95% UCL-T	Y - Test (4)	3.11E-01	95% UCL-T	Regional Guidance
INDENO[1,2,3-C,D]PYRENE	mg/kg	2 31E-01	N/A	2 30E+00		mg/kg	3 51E-01	95% UCL-T	Y - Test (4)	3.51E-01	95% UCL-T	Regional Guidance
NAPHTHALENE	mg/kg	3 93E-01	N/A	1 20E+01		mg/kg	4 91E-01	95% UCL-T	Y - Test (4)	4.91E-01	95% UCL-T	Regional Guidance

Statistics. Maximum Detected Value (Max), 95% UCL of Normal Data (95% UCL-N), 95% UCL of Log-transformed Data (95% UCL-T), Mean of Normal Data (Mean).

(1) Shapiro-Wilk W Test indicates data are log-normally distributed.
(2) 95% UCL exceeds maximum detected concentration Therefore, maximum concentration used for EPC
(3) Shapiro-Wilk W Test indicates data are normally distributed.
(4) D'Agostino Y Test indicates data are log-normally distributed.

TABLE 3.4
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - TOTAL SOIL - INDUSTRIAL

Scenario Timeframe Current/Future
Medium: Total Soil
Exposure Medium Total Soil
Exposure Point: Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	Reasonable Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Dioxin/Furans												
TCDD-TEQ	mg/kg	5.68E-05	N/A	4.97E-04		mg/kg	1.91E-04	95% UCL-T	W - Test (1)	1.91E-04	95% UCL-T	Regional Guidance
Inorganics												
ARSENIC	mg/kg	2.45E+00	N/A	1.06E+01		mg/kg	8.64E+00	95% UCL-T	W - Test (1)	8.64E+00	95% UCL-T	Regional Guidance
LEAD	mg/kg	1.60E+02	N/A	2.65E+03		mg/kg	2.60E+02	95% UCL-T	W - Test (1)	2.60E+02	95% UCL-T	Regional Guidance
PAHs												
2-METHYLNAPHTHALENE	mg/kg	1.19E+00	N/A	4.90E+01		mg/kg	7.70E-01	95% UCL-T	Y - Test (4)	7.70E-01	95% UCL-T	Regional Guidance
BENZ[A]ANTHRACENE	mg/kg	3.19E-01	N/A	4.45E+00		mg/kg	4.27E-01	95% UCL-T	Y - Test (4)	4.27E-01	95% UCL-T	Regional Guidance
BENZO[A]PYRENE	mg/kg	2.89E-01	N/A	2.45E+00	J	mg/kg	4.18E-01	95% UCL-T	Y - Test (4)	4.18E-01	95% UCL-T	Regional Guidance
BENZO[B]FLUORANTHENE	mg/kg	4.27E-01	N/A	7.40E+00		mg/kg	5.17E-01	95% UCL-T	Y - Test (4)	5.17E-01	95% UCL-T	Regional Guidance
DIBENZ[A,H]ANTHRACENE	mg/kg	1.51E-01	N/A	7.50E-01	U /	mg/kg	3.11E-01	95% UCL-T	Y - Test (4)	3.11E-01	95% UCL-T	Regional Guidance

Statistics Maximum Detected Value (Max), 95% UCL of Normal Data (95% UCL-N); 95% UCL of Log-transformed Data (95% UCL-T); Mean of Normal Data (Mean).

(1) Shapiro-Wilk W Test indicates data are log-normally distributed
(2) 95% UCL exceeds maximum detected concentration. Therefore, maximum concentration used for EPC
(3) Shapiro-Wilk W Test indicates data are normally distributed.
(4) D'Agostino Y Test indicates data are log-normally distributed.

TABLE 3.5
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - SEEP WATER - TAP WATER

Scenario Timeframe Current/Future
Medium: Seep Water
Exposure Medium: Seep Water
Exposure Point: Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	Reasonable Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Inorganics												
ARSENIC	ug/l	3.30E+00	N/A	1.90E+00	J	ug/l	1.90E+00	Max	W - Test (1)	1.90E+00	Max	Regional Guidance
BARIUM	ug/l	2.23E+02	5.50E+02	3.70E+02		ug/l	3.70E+02	Max	W - Test (2)	3.70E+02	Max	Regional Guidance
LEAD	ug/l	1.31E+01	N/A	2.93E+01		ug/l	1.75E+01	95% UCL-T	W - Test (1)	1.75E+01	95% UCL-T	Regional Guidance
MANGANESE	ug/l	8.72E+02	2.80E+03	2.17E+03		ug/l	2.17E+03	Max	W - Test (2)	2.17E+03	Max	Regional Guidance
PAHs												
2-METHYLNAPHTHALENE	ug/l	5.17E-01	1.23E+00	9.50E-01		ug/l	9.50E-01	Max	W - Test (2)	9.50E-01	Max	Regional Guidance
NAPHTHALENE	ug/l	2.37E+00	5.78E+00	4.00E+00	/ J	ug/l	4.00E+00	Max	W - Test (2)	4.00E+00	Max	Regional Guidance
Pesticides												
ALPHA-HCH	ug/l	1.93E-02	4.75E-02	3.25E-02	_ / J	ug/l	3.25E-02	Max	W - Test (2)	3.25E-02	Max	Regional Guidance
DIELDRIN	ug/l	4.00E-02	N/A	2.00E-02		ug/l	2.00E-02	Max	W - Test (1)	2.00E-02	Max	Regional Guidance
HEPTACHLOR EPOXIDE	ug/l	2.33E-02	N/A	2.00E-02	J	ug/l	2.00E-02	Max	W - Test (2)	2.00E-02	Max	Regional Guidance
Semivolatiles												
DIBENZOFURAN	ug/l	9.75E+00	N/A	1.15E+01		ug/l	1.15E+01	Max	Insignificant Population	1.15E+01	Max	Regional Guidance
Volatiles												
VINYL CHLORIDE	ug/l	6.50E-01	N/A	4.50E-01	/ J	ug/l	4.50E-01	Max	W - Test (1)	4.50E-01	Max	Regional Guidance

Statistics Maximum Detected Value (Max); 95% UCL of Normal Data (95% UCL-N), 95% UCL of Log-transformed Data (95% UCL-T); Mean of Normal Data (Mean).

(1) Shapiro-Wilk W Test indicates data are log-normally distributed
(2) 95% UCL exceeds maximum detected concentration Therefore, maximum concentration used for EPC.
(3) Shapiro-Wilk W Test indicates data are normally distributed

TABLE 3.6
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY
DAVISVILLE - SITE 16 - GROUNDWATER - TAP WATER

Scenario Timeframe. Current/Future
Medium. Groundwater
Exposure Medium Groundwater
Exposure Point Davisville Site 16

Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL of Normal Data	Maximum Detected Concentration	Maximum Qualifier	EPC Units	ble Maximum Exposure			Central Tendency		
							Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale	Medium EPC Value	Medium EPC Statistic	Medium EPC Rationale
Inorganics												
BARIUM	ug/l	4 36E+01	N/A	9 24E+02		ug/l	9.24E+02	Max	Regional Guidance	9 24E+02	Max	Regional Guidance
LEAD	ug/l	3 63E+00	N/A	5 13E+01	J	ug/l	5.13E+01	Max	Regional Guidance	5.13E+01	Max	Regional Guidance
MANGANESE	ug/l	5.89E+02	N/A	5 27E+03		ug/l	5 27E+03	Max	Regional Guidance	5 27E+03	Max	Regional Guidance
Semivolatiles												
1,4-DICHLOROBENZENE	ug/l	4.94E+00	N/A	2 00E+00	J	ug/l	2.00E+00	Max	Regional Guidance	2 00E+00	Max	Regional Guidance
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	5 34E+00	N/A	1.15E+01	UJ / J	ug/l	1.15E+01	Max	Regional Guidance	1 15E+01	Max	Regional Guidance
Volatiles												
1,1,2-TRICHLOROETHANE	ug/l	1 10E+00	N/A	1.00E+00		ug/l	1 00E+00	Max	Regional Guidance	1 00E+00	Max	Regional Guidance
1,1-DICHLOROETHENE	ug/l	1.19E+00	N/A	2 00E+00		ug/l	2.00E+00	Max	Regional Guidance	2 00E+00	Max	Regional Guidance
1,2-DICHLOROETHANE	ug/l	1 08E+00	N/A	4 00E-01	_ / U / _	ug/l	4.00E-01	Max	Regional Guidance	4 00E-01	Max	Regional Guidance
ACETONE	ug/l	9.87E+00	N/A	1 30E+02	J	ug/l	1.30E+02	Max	Regional Guidance	1.30E+02	Max	Regional Guidance
BENZENE	ug/l	1.11E+00	N/A	1 00E+00		ug/l	1.00E+00	Max	Regional Guidance	1 00E+00	Max	Regional Guidance
CHLOROFORM	ug/l	1 10E+00	N/A	5 00E-01	J	ug/l	5.00E-01	Max	Regional Guidance	5 00E-01	Max	Regional Guidance
CIS-1,2-DICHLOROETHENE	ug/l	6 08E+00	N/A	1.10E+02		ug/l	1.10E+02	Max	Regional Guidance	1 10E+02	Max	Regional Guidance
TOTAL 1,2-DICHLOROETHENE	ug/l	6 04E+00	N/A	1 10E+02		ug/l	1.10E+02	Max	Regional Guidance	1.10E+02	Max	Regional Guidance
TRICHLOROETHENE	ug/l	8.91E+02	N/A	6.30E+03		ug/l	6 30E+03	Max	Regional Guidance	6.30E+03	Max	Regional Guidance
VINYL CHLORIDE	ug/l	2 22E+00	N/A	2 00E+00	J	ug/l	2 00E+00	Max	Regional Guidance	2.00E+00	Max	Regional Guidance

(Max), 95% UCL of Normal Data (95%

TABLE 4.1
VALUES USED FOR RESIDENT ADULT DAILY TOTAL SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Total Soil
Exposure Medium: Total Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Resident
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	100	U.S. EPA 1991	50	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	150	U.S. EPA 1991	150	U.S. EPA 1997a
	ED-NC	Exposure Duration	yr	30	U.S. EPA 1991	9	U.S. EPA 1997a
	ED-C	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2/event	8,000	U.S. EPA 1997a	6,200	U S. EPA 1997a
	AF	Adherence Factor	mg/cm2	0.07	U.S. EPA 1998b	0.01	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	150	U.S. EPA 1991	150	BPJ
	ED-NC	Exposure Duration	yr	30	U.S. EPA 1991	9	U.S. EPA 1997a
	ED-C	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989a
Inhalation	IR	Inhalation Rate	m3/hr	6.25E-01	U.S. EPA 1991	5.50E-01	U.S. EPA 1997a
	ET	Exposure Time	hr/day	24	BPJ	10	BPJ
	EF	Exposure Frequency	day/yr	150	U.S. EPA 1991	150	U.S. EPA 1997a
	ED-NC	Exposure Duration	yr	30	U S. EPA 1991	9	U.S. EPA 1997a
	ED-C	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	2,555	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.2
VALUES USED FOR RESIDENT CHILD DAILY TOTAL SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Total Soil
Exposure Medium: Total Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Resident
Receptor Age: Child

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	200	U.S. EPA 1991	100	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	150	U.S. EPA 1991	150	U.S. EPA 1997a
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2/event	3,600	U.S. EPA 1997a	2,900	U.S. EPA 1998b
	AF	Adherence Factor	mg/cm2	0.2	U.S. EPA 1998b	0.06	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	150	U.S. EPA 1991	150	U.S. EPA 1997a
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989a
Inhalation	IR	Inhalation Rate	m3/hr	4.17E-01	U.S. EPA 1991	4.17E-01	U.S. EPA 1997a
	ET	Exposure Time	hr/day	24	BPJ	10	BPJ
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	150	U.S. EPA 1997a
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.3
VALUES USED FOR ADULT RECREATIONAL USERS DAILY SURFACE SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Recreational Users
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	100	U.S. EPA 1991	50	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989
Dermal	SA	Surface Area for Contact	cm2/event	8,000	U.S. EPA 1997a	6,200	U.S. EPA 1997a
	AF	Adherence Factor	mg/cm2	0.32	U.S. EPA 1998b	0.16	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06	U.S. EPA 1989a	1.00E-06	U.S. EPA 1989a
Inhalation	IR	Inhalation Rate	m3/hr	8.33E-01	U.S. EPA 1991	8.33E-01	U.S. EPA 1991
	ET	Exposure Time	hr/day	8	BPJ	4	BPJ
	EF	Exposure Frequency	day/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	24	BPJ	9	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1989a	70	U.S. EPA 1989a
	AT-NC	Averaging time - Noncancer	days	3,650	U.S. EPA 1989a	3,650	U.S. EPA 1989a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.4
VALUES USED FOR CHILD RECREATIONAL USERS DAILY SURFACE SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Recreational Users
Receptor Age: Child

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	200	U.S. EPA 1991	100	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Dermal	SA	Surface Area for Contact	cm2/event	3,600	U.S. EPA 1997a	2,900	U.S. EPA 1997a
	AF	Adherence Factor	mg/cm2	0.32	U.S. EPA 1998b	0.16	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Inhalation	IR	Inhalation Rate	m3/hr	8.33E-01	U.S. EPA 1991	8.33E-01	U.S. EPA 1997a
	ET	Exposure Time	hr/day	10	BPJ	4	BPJ
	EF	Exposure Frequency	day/yr	96	BPJ	48	BPJ
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1989a	730	U.S. EPA 1989a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.5
VALUES USED FOR CONSTRUCTION WORKER DAILY TOTAL SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Total Soil
Exposure Medium: Total Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Construction Worker
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	480	U.S. EPA 1991	100	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	160	U.S. EPA 1991	80	U.S. EPA 1997a
	ED	Exposure Duration	yr	1	BPJ	1	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	365	BPJ	365	BPJ
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Dermal	SA	Surface Area for Contact	cm2/event	3,800	U.S. EPA 1997a	3,140	U.S. EPA 1997a
	AF	Adherence Factor	mg/cm2	0.3	U.S. EPA 1998b	0.1	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	160	U.S. EPA 1991	80	U.S. EPA 1997a
	ED	Exposure Duration	yr	1	BPJ	1	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	365	BPJ	365	BPJ
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Inhalation	IR	Inhalation Rate	m3/hr	2.50	U.S. EPA 1997a	1.50	U.S. EPA 1997a
	ET	Exposure Time	hr/day	8	U.S. EPA 1991	8	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	160	U.S. EPA 1991	80	U.S. EPA 1997a
	ED	Exposure Duration	yr	1	BPJ	1	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	365	BPJ	365	BPJ
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.6
VALUES USED FOR COMMERCIAL WORKER DAILY SURFACE SOIL INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Surface Soil
Exposure Medium: Surface Soil, Air
Exposure Point: Davisville Site 16
Receptor Population: Commercial Worker
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	mg/day	50	U.S. EPA 1991	50	U.S. EPA 1991
	EF	Exposure Frequency	day/yr	250	U.S. EPA 1991	150	U.S. EPA 1997a
	ED	Exposure Duration	yr	25	U.S. EPA 1991	12	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time - Noncancer	days	9,125	U.S. EPA 1991	4,380	U.S. EPA 1991
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Dermal	SA	Surface Area for Contact	cm2/event	3,800	U.S. EPA 1989a	3,100	U.S. EPA 1989a
	AF	Adherence Factor	mg/cm2	0.2	U.S. EPA 1998b	0.02	U.S. EPA 1998b
	EF	Exposure Frequency	event/yr	250	U.S. EPA 1997a	150	U.S. EPA 1997a
	ED	Exposure Duration	yr	25	U.S. EPA 1997a	12	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time - Noncancer	days	9,125	U.S. EPA 1991	4,380	U.S. EPA 1991
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	kg/mg	1.00E-06		1.00E-06	
Inhalation	IR	Inhalation Rate	m3/hr	8.33E-01	U.S. EPA 1991	8.33E-01	U.S. EPA 1997a
	ET	Exposure Time	hr/day	8	BPJ	4	BPJ
	EF	Exposure Frequency	day/yr	250	U.S. EPA 1991	150	BPJ
	ED	Exposure Duration	yr	25	U.S. EPA 1991	12	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1989a	70	U.S. EPA 1989a
	AT-NC	Averaging time - Noncancer	days	9,125	U.S. EPA 1989a	2,920	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.7
VALUES USED FOR RESIDENT ADULT DAILY TOTAL GROUNDWATER INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Tap Water
Exposure Point: Davisville Site 16
Receptor Population: Resident
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	L/day	2.3	U.S EPA 1997a	1.4	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	250	U.S. EPA 1997a
	ED-NC	Exposure Duration	yr	30	U.S. EPA 1997a	9	U.S. EPA 1997a
	ED-C	Exposure Duration	yr	24	U.S. EPA 1997a	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2	22,000	U.S. EPA 1997a	18,200	U.S. EPA 1997a
	PC	Permeability Coefficient	cm/hr	chemical-specific		chemical-specific	
	ET	Event Time	hr/day	0.58	U.S. EPA 1992	0.17	U.S. EPA 1992
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	250	U S. EPA 1997a
	ED-NC	Exposure Duration	yr	30	U.S. EPA 1997a	9	U.S. EPA 1997a
	ED-C	Exposure Duration	yr	24	U.S. EPA 1997a	9	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	L/cm3	1.00E-03		1.0E-03	
Inhalation	IR	Inhalation Rate	m^3/day	15	U.S. EPA 1997a	13.2	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	175	U.S. EPA 1997a
	ED	Exposure Duration	min/event	35	U.S. EPA 1997a	10	U.S. EPA 1997a
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a

Note : BPJ = Best Professional Judgement

TABLE 4.8
VALUES USED FOR RESIDENT CHILD DAILY TOTAL GROUNDWATER INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Tap Water
Exposure Point: Davisville Site 16
Receptor Population: Resident
Receptor Age: Child

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	L/day	1.5	U.S. EPA 1997a	0.74	U.S. EPA 1997a
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	250	U.S. EPA 1997a
	ED	Exposure Duration	yr	6	U.S. EPA 1997	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2	10,500	U.S. EPA 1997a	9,000	U.S. EPA 1997a
	PC	Permeability Coefficient	cm/hr	chemical-specific		chemical-specific	
	ET	Event Time	hr/day	1	U.S. EPA 1992	0.33	U.S. EPA 1992
	EF	Exposure Frequency	day/yr	350	U.S. EPA 1991	250	U.S. EPA 1997a
	ED	Exposure Duration	yr	6	U.S. EPA 1997	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	L/cm3	0.001		0.001	

Note : BPJ = Best Professional Judgement

TABLE 4.9
VALUES USED FOR CONSTRUCTION WORKER DAILY TOTAL GROUNDWATER INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Groundwater
Exposure Point: Davisville Site 16
Receptor Population: Construction Worker
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	L/day	0.05	U.S. EPA 1989a	0.025	U.S. EPA 1989a
	EF	Exposure Frequency	day/yr	160	U.S. EPA 1997a	80	U.S. EPA 1997a
	ED	Exposure Duration	yr	1	BPJ	1	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time - Noncancer	days	365	BPJ	365	BPJ
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2	5,700	U.S. EPA 1992	2,300	U.S. EPA 1992
	PC	Permeability Coefficient	cm/hr	chemical-specific		chemical-specific	
	ET	Event Time	hr/day	8	U.S. EPA 1991	8	U.S. EPA 1991
	EF	Exposure Frequency	day/yr	160	U.S. EPA 1997a	80	U.S. EPA 1997a
	ED	Exposure Duration	yr	1	U.S. EPA 1991	1	U.S. EPA 1991
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time - Noncancer	days	365	U.S. EPA 1989	365	U.S. EPA 1989
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989	25,550	U.S. EPA 1989
	CF	Conversion Factor	L/cm3	0.001		0.001	

Note : BPJ = Best Professional Judgement

TABLE 4.10
VALUES USED FOR ADULT RECREATIONAL USER DAILY SEEP WATER INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Current/Future
Medium: Seep Water
Exposure Medium: Seep Water
Exposure Point: Davisville Site 16
Receptor Population: Recreational User
Receptor Age: Adult

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	L/hr	0.05	U.S. EPA 1989a	0.025	U.S. EPA 1989a
	ET	Exposure Time	hr/day	1	BPJ	0.5	BPJ
	EF	Exposure Frequency	day/yr	7	BPJ	4	BPJ
	ED	Exposure Duration	yr	24	U.S. EPA 1991	9	U.S. EPA 1991
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time-Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1991
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2	6,700	U.S. EPA 1997a	5,000	U.S. EPA 1997a
	PC	Permeability Coefficient	cm/hr	chemical-specific	U.S. EPA 1992	chemical-specific	U.S. EPA 1992
	ET	Exposure Time	hr/day	1	BPJ	0.5	BPJ
	EF	Exposure Frequency	day/yr	7	BPJ	4	BPJ
	ED	Exposure Duration	yr	24	BPJ	9	BPJ
	BW	Body Weight	kg	70	U.S. EPA 1991	70	U.S. EPA 1991
	AT-NC	Averaging time - Noncancer	days	8,760	U.S. EPA 1991	3,285	U.S. EPA 1991
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	L/cm3	1.00E-03		1.00E-03	

Note : BPJ = Best Professional Judgement

TABLE 4.11
VALUES USED FOR CHILD RECREATIONAL USER DAILY SEEP WATER INTAKE EQUATIONS
DAVISVILLE SITE 16

Scenario Timeframe: Current/Future
Medium: Seep Water
Exposure Medium: Seep Water
Exposure Point: Davisville Site 16
Receptor Population: Recreational User
Receptor Age: Child

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/Reference	CTE Value	CTE Rationale/Reference
Ingestion	CR	Ingestion Rate	L/hr	0.050	U.S. EPA 1989a	0.025	U.S. EPA 1989a
	ET	Exposure Time	hr/day	1	U.S. EPA 1997a	0.5	BPJ
	EF	Exposure Frequency	day/yr	7	BPJ	4	BPJ
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time-Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
Dermal	SA	Surface Area for Contact	cm2	3,300	U.S. EPA 1997a	2,700	U.S. EPA 1997a
	PC	Permeability Coefficient	cm/hr	chemical-specific	U.S. EPA 1992	chemical-specific	U.S. EPA 1992
	ET	Exposure Time	hr/day	1	U.S. EPA 1997a	0.5	BPJ
	EF	Exposure Frequency	day/yr	7	BPJ	4	BPJ
	ED	Exposure Duration	yr	6	U.S. EPA 1991	2	U.S. EPA 1997a
	BW	Body Weight	kg	15	U.S. EPA 1991	15	U.S. EPA 1997a
	AT-NC	Averaging time - Noncancer	days	2,190	U.S. EPA 1991	730	U.S. EPA 1997a
	AT-C	Averaging Time - Cancer	days	25,550	U.S. EPA 1989a	25,550	U.S. EPA 1989a
	CF	Conversion Factor	L/cm3	1.00E-03		1.00E-03	

Note : BPJ = Best Professional Judgement

TABLE 5.1
NON-CANCER TOXICITY DATA - ORAL//DERMAL
DAVISVILLE SITE 16

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD Value (mg/kg-day)	Oral to Dermal Adjustment Factor (GI ABS) (1)	Adjusted Dermal RfD (2) (mg/kg bw-day)	Primary Target Organ	Combined Uncertainty/Modifying Factors	Sources of RfD Target Organ	Dates of RfD Target Organ (3) (mm/dd/yy)
Dioxin/Furans								
TCDD-TEQ	NA	NA	1	NA	NA	NA/NA	HEAST	8/7/2001
Inorganics								
ALUMINUM	Subchronic	1 00E+00	1	1.00E+00	Central Nervous System	100/3	EPA-NCEA	5/30/1997
ANTIMONY	Chronic	4 00E-04	0 15	6 00E-05	Blood glucose and cholesterol	1000/1	IRIS	8/7/2001
ARSENIC	Chronic	3.00E-04	1	3 00E-04	Skin	3/1	IRIS	8/7/2001
BARIUM	Chronic	7 00E-02	0 07	4.90E-03	Kidneys	3/1	IRIS	8/7/2001
COPPER	Chronic	4.00E-02	1	4 00E-02	Gastrointestional System	None	HEAST	7/25/1997
MANGANESE	Chronic	2.00E-02	0 04	8.00E-04	Central Nervous System	1/1	IRIS	8/7/2001
THALLIUM	Chronic	7 00E-05	1	7 00E-05	Liver, Blood	NA/NA	IRIS	8/7/2001
PAHs								
BENZ(A)ANTHRACENE	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
BENZO[A]PYRENE	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
BENZO(B)FLUORANTHENE	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
DIBENZ[A, H]ANTHRACENE	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
INDENO(1,2,3-CD)PYRENE	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
2-METHYLNAPHTHALENE	Chronic	2 00E-02	1	2 00E-02	Central Nervous System, Eyes	NA/NA	EPA-NCEA	5/23/2001
NAPHTHALENE	Subchronic	2.00E-02	1	2.00E-02	None	3000/1	IRIS	8/7/2001
Pesticides/PCBs								
ALPHA-BHC	NA	NA	1	NA	NA	NA/NA	IRIS	8/7/2001
DIELDRIN	NA	5 00E-05	1	5.00E-05	Liver	NA/NA	IRIS	8/15/2001
HEPTACHLOR EPOXIDE	Chronic	1 30E-05	1	1 30E-05	Liver, Central Nervous System	1000/1	IRIS	8/7/2001
Semivolatiles								
BIS(2-ETHYLHEXYL)PHTHALATE	Chronic	2.20E-02	1	2 20E-02	Liver	1000/1	IRIS	8/15/2001
1,4-DICHLOROBENZENE	Chronic	3 00E-02	1	3.00E-02	Liver	1000/1	EPA-NCEA	4/29/1997
DIBENZOFURAN	Chronic	4 00E-03	1	4 00E-03	Liver, Kidney	300/1	EPA-NCEA	7/19/1999
Volatiles								
1,1,2-TRICHLOROETHANE	Chronic	4.00E-03	1	4 00E-03	Respiratory System	1000/1	IRIS	8/15/2001
1,1-DICHLOROETHENE	Chronic	5.00E-02	1	5.00E-02	Liver	100/1	IRIS	8/15/2001
1,2-DICHLOROETHANE	Chronic	3 00E-02	1	3.00E-02	Central Nervous System	1000/1	EPA-NCEA	4/5/1993
ACETONE	Subchronic	1 00E-01	1	1.00E-01	Liver, Kidney	1000/1	IRIS	8/15/2001
BENZENE	Chronic	3.00E-03	1	3 00E-03	Central Nervous System	1000/1	EPA-NCEA	9/1/1998
CHLOROFORM	Chronic	1.00E-02	1	1 00E-02	Liver, Kidneys, Central Nervous System	1000/1	IRIS	8/7/2001
CIS-1,2-DICHLOROETHENE	Chronic	1.00E-02	1	1 00E-02	Liver	3000/1	HEAST	5/1/1995
TOTAL 1,2-DICHLOROETHENE	Chronic	2 00E-02	1	2.00E-02	Liver	3000/1	HEAST	5/1/1995
TRICHLOROETHENE	Chronic	6 00E-03	1	6 00E-03	Central Nervous System, Liver, Kidney		EPA-NCEA	
VINYL CHLORIDE	Chronic	3 00E-03	1	3 00E-03	Liver	30/1	IRIS	8/15/2001

N/A= Not Applicable

(1) Taken from USEPA 2000 Guidance USEPA, 2000. *Risk Assessment Guidance for Superfund, volume I· Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)*. Interim Guidance.

(2) Dermal toxicological values adjusted from oral values using USEPA 2000 recommended chemical-specific gastrointestinal absorption factors(GI ABS). RfDs are multiplied by the GI ABS.

(3) IRIS - Integrated Risk Information System For IRIS values, the date IRIS was searched is provided.
HEAST - Health Effects Assessment Summary Tables. For HEAST values, the date of HEAST is provided.
EPA-NCEA - National Center for Environmental Assessment. For EPA-NCEA values, the date of the article provided by EPA-NCEA is provided.

TABLE 5.2
NON-CANCER TOXICITY DATA - INHALATION
DAVISVILLE SITE 16

Chemical of Potential Concern	Chronic/ Subchronic	Value Inhalation (RfD) (mg/kg-day)	Primary Target Organ	Combined Uncertainty/Modifying Factors	Sources of RfC:RfD: Target Organ	Dates (1) (mm/dd/yy)
Dioxin/Furans						
TCDD-TEQ	NA	NA	None	NA/NA		
Inorganics						
ALUMINUM	Chronic	1.00E-03	Respiratory System	NA/NA	EPA-NCEA	5/30/1997
ANTIMONY	NA	NA	None	NA/NA	IRIS	8/7/2001
ARSENIC	NA	NA	None	NA/NA	HEAST	7/25/1997
BARIUM	Chronic	1.40E-04	Kidneys	10/1	EPA-NCEA	10/7/1999
COPPER	NA	NA	None	NA/NA	HEAST	7/25/1997
MANGANESE	Chronic	1.43E-05	Central Nervous System	1000/1	IRIS	8/15/2001
THALLIUM	NA	NA	None	NA/NA	IRIS	8/15/2001
PAHs						
BENZ(A)ANTHRACENE	NA	NA	None	NA/NA	EPA-NCEA	5/23/2001
BENZO[A]PYRENE	NA	NA	None	NA/NA	IRIS	8/7/2001
BENZO(B)FLUORANTHENE	NA	NA	None	NA/NA	EPA-NCEA	5/23/2001
DIBENZ[A, H]ANTHRACENE	NA	NA	None	NA/NA	EPA-NCEA	5/23/2001
INDENO(1,2,3-CD)PYRENE	NA	NA	None	NA/NA	EPA-NCEA	5/23/2001
2-METHYLNAPHTHALENE	NA	NA	None	NA/NA	EPA-NCEA	5/23/2001
NAPHTHALENE	Chronic	9 00E-04	Respiratory System	3000/1	IRIS	8/7/2001
Pesticides/PCDDs/PCDFs						
ALPHA BHC	NA	NA	None	NA/NA	IRIS	8/15/2001
DIELDRIN	NA	NA	None	NA/NA	IRIS	8/15/2001
HEPTACHLOR EPOXIDE	NA	NA	None	NA/NA	IRIS	8/15/2001
Semivolatiles						
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	None	NA/NA	IRIS	8/15/2001
1,4-DICHLOROBENZENE	Chronic	2.30E-01	Liver	30/1	IRIS	8/15/2001
DIBENZOFURAN	NA	NA	None	NA/NA	NA	NA
Volatiles						
1,1,2-TRICHLOROETHANE	NA	NA	None	NA/NA	IRIS	8/15/2001
1,1-DICHLOROETHENE	NA	5.70E-02	Liver	NA/NA	IRIS	8/15/2001
1,2-DICHLOROETHANE	Chronic	1.40E-03	Central Nervous System	NA/NA	EPA-NCEA	6/1/2003
ACETONE	NA	NA	None	NA/NA	IRIS	8/15/2001
BENZENE	Chronic	1.71E-03	Central Nervous System	1000/1	EPA-NCEA	9/1/1998
CHLOROFORM	Chronic	8.60E-04	Liver, Kidneys, Central Nervous System	1000/1	EPA-NCEA	6/1/2003
CIS-1,2-DICHLOROETHENE	NA	NA	None	NA/NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	None	NA/NA	IRIS	8/15/2001
TRICHLOROETHENE	Chronic	NA	Liver	30/1	IRIS	8/15/2001
VINYL CHLORIDE-adult/child	Chronic	2.90E-02	Liver	30/1	IRIS	8/15/2001

N/A= Not Applicable
(1) For IRIS values, the date IRIS was searched is provided.
For HEAST values, the date of HEAST is provided.
For EPA-NCEA values, the date of the article provided by NCEA is provided.

TABLE 5.3
CHEMICAL-SPECIFIC PARAMETERS
DAVISVILLE SITE 16

Chemical of Potential Concern	Absorption Factor	Reference	Permeability Constant (cm/hr)	Reference
Dioxin/Furans				
TCDD-TEQ	0 03	U.S. EPA, 2000	NA	On-line Database(1)
Inorganics				
ALUMINUM	NA	U S. EPA, 2000	1.00E-03	On-line Database(1)
ANTIMONY	NA	U.S. EPA, 2000	1.00E-03	On-line Database(1)
ARSENIC	0 03	U.S. EPA, 2000	1.00E-03	On-line Database(1)
BARIUM	NA	U.S. EPA, 2000	1.00E-03	On-line Database(1)
COPPER	NA	U.S. EPA, 2000	1.00E-03	On-line Database(1)
MANGANESE	NA	U.S. EPA, 2000	1.00E-03	On-line Database(1)
THALLIUM	NA	U.S. EPA, 2000	1.00E-03	On-line Database(1)
PAHs				
BENZ(A)ANTHRACENE	0.13	U.S. EPA, 2000	8.10E-01	On-line Database(1)
BENZO[A]PYRENE	0.13	U.S EPA, 2000	1.20E+00	On-line Database(1)
BENZO(B)FLUORANTHENE	0.13	U.S. EPA, 2000	1.20E+00	On-line Database(1)
DIBENZ[A, H]ANTHRACENE	0.13	U.S. EPA, 2000	2 70E+00	On-line Database(1)
INDENO(1,2,3-CD)PYRENE	0 13	U.S. EPA, 2000	1.90E+00	On-line Database(1)
2-METHYLNAPHTHALENE	0.13	U.S EPA, 2000	6.90E-02	On-line Database(1)
NAPHTHALENE	0.13	U.S EPA, 2000.	6.90E-02	On-line Database(1)
Pesticides/PCDDs/PCDFs				
ALPHA BHC	0 1	U.S. EPA, 2000	1.90E-02	On-line Database(1)
DIELDRIN	0 1	U.S. EPA, 2000	1.60E-03	On-line Database(1)
HEPTACHLOR EPOXIDE	0.1	U.S EPA, 2000	1.10E-02	On-line Database(1)
Semivolatiles				
BIS(2-ETHYLHEXYL)PHTHALATE	0.1	U.S. EPA, 2000	2.30E-02	On-line Database(1)
1,4-DICHLOROBENZENE	0.1	U.S. EPA, 2000	6 20E-02	On-line Database(1)
DIBENZOFURAN	0.03	U.S. EPA, 2000	6.10E-02	On-line Database(1)
Volatiles				
1,1,2-TRICHLOROETHANE	NA	U.S. EPA, 2000	NA	On-line Database(1)
1,1-DICHLOROETHENE	NA	U.S. EPA, 2000	8.40E-03	On-line Database(1)
1,2-DICHLOROETHANE	NA	U.S. EPA, 2000	8 90E-03	On-line Database(1)
ACETONE	NA	U S. EPA, 2000	3.30E-03	On-line Database(1)
BENZENE	NA	U.S. EPA, 2000	5.70E-04	On-line Database(1)
CHLOROFORM	NA	U.S. EPA, 2000	5.80E-03	On-line Database(1)
CIS-1,2-DICHLOROETHENE	NA	U.S. EPA, 2000	8.90E-03	On-line Database(1)
TOTAL 1,2-DICHLOROETHENE	NA	U.S. EPA, 2000	1.00E-02	On-line Database(1)
TRICHLOROETHENE	NA	U S. EPA, 2000	4.50E-02	On-line Database(1)
VINYL CHLORIDE-adult/child	NA	U.S. EPA, 2000	1.60E-02	On-line Database(1)

(1) Toxicity and Chemical-Specific Factors Database. Http://risk lsd.ornl gov/cgi-bin/tox. July 2001

TABLE 6.1
CANCER TOXICITY DATA - ORAL/DERMAL
DAVISVILLE SITE 16

Chemical of Potential Concern	Oral Cancer Slope Factor	Oral to Dermal Adjustment Factor (GI ABS)(1)	Adjusted Dermal Cancer Slope Factor (2)	Units	Weight of Evidence/Cancer Guideline Description	Source	Date (3) (mm/dd/yy)
Dioxin/Furans							
TCDD-TEQ	1 50E+05	1	1 50E+05	per (mg/kg-day)			8/7/2001
Inorganics							
ALUMINUM	NA	1	NA	per (mg/kg-day)	D	EPA-NCEA	5/30/1997
ANTIMONY	NA	0 15	NA	per (mg/kg-day)	D	IRIS	8/7/2001
ARSENIC	1 50E+00	1	1 50E+00	per (mg/kg-day)	A	IRIS	8/7/2001
BARIUM	NA	0 07	NA	per (mg/kg-day)	D	EPA-NCEA	5/23/2001
COPPER	NA	1	NA	per (mg/kg-day)	D	IRIS	8/7/2001
MANGANESE	NA	0.04	NA	per (mg/kg-day)	D	IRIS	8/7/2001
THALLIUM	NA	1	NA	per (mg/kg-day)	D	IRIS	8/7/2001
PAHs							
BENZ(A)ANTHRACENE	7.30E-01	1	7.30E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
BENZO[A]PYRENE	7.30E+00	1	7.30E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
BENZO(B)FLUORANTHENE	7.30E-01	1	7 30E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
DIBENZ[A, H]ANTHRACENE	7.30E+00	1	7 30E+00	per (mg/kg-day)	B2	EPA-NCEA	5/23/2001
INDENO(1,2,3-CD)PYRENE	7 30E-01	1	7.30E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
2-METHYLNAPHTHALENE	NA	1	NA	per (mg/kg-day)	C	EPA-NCEA	5/23/2001
NAPHTHALENE	NA	1	NA	per (mg/kg-day)	C	IRIS	8/7/2001
Pesticides/PCDDs/PCDFs							
ALPHA BHC	6 30E+00	1	6 30E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
DIELDRIN	1 60E+01	1	1.60E+01	per (mg/kg-day)	B2	IRIS	8/15/2001
HEPTACHLOR EPOXIDE	9 10E+00	1	9 10E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.40E-02	1	1.40E-02	per (mg/kg-day)	B2	IRIS	8/15/2001
1,4-DICHLOROBENZENE	2 40E-02	1	2.40E-02	per (mg/kg-day)	NA	HEAST	7/25/1997
DIBENZOFURAN	NA	1	NA	per (mg/kg-day)	D	IRIS	8/7/2001
Volatiles							
1,1,2-TRICHLOROETHANE	5.70E-02	1	5 70E-02	per (mg/kg-day)	C	IRIS	8/15/2001
1,1-DICHLOROETHENE	NA	1	NA	per (mg/kg-day)	C	IRIS	6/1/2003
1,2-DICHLOROETHANE	9 10E-02	1	9 10E-02	per (mg/kg-day)	B2	IRIS	8/15/2001
ACETONE	NA	1	NA	per (mg/kg-day)	NA.	IRIS	8/15/2001
BENZENE	5.50E-02	1	5.50E-02	per (mg/kg-day)	A	IRIS	8/7/2001
CHLOROFORM	6 10E-03	1	6.10E-03	per (mg/kg-day)	B2	IRIS	8/7/2001
CIS-1,2-DICHLOROETHENE	NA	1	NA	per (mg/kg-day)	D	IRIS	8/15/2001
TOTAL 1,2-DICHLOROETHENE	NA	1	NA	per (mg/kg-day)	D	IRIS	8/15/2001
TRICHLOROETHENE	1.10E-02	1	1.10E-02	per (mg/kg-day)	NA	EPA-NCEA	5/23/2001
VINYL CHLORIDE-adult/child	1 50E+00	1	1 50E+00	per (mg/kg-day)	A	IRIS	8/15/2001
VINYL CHLORIDE-adult	7 50E-01	1	7.50E-01	per (mg/kg-day)	A	IRIS	8/15/2001

N/A= Not Applicable
(1) Taken from USEPA 2000 Guidance
(2) Dermal Toxicological values adjusted from oral values using USEPA 2000 recommended chemical-specific gastrointestinal absorption factors(GI ABS). CSFs are divided be the GI ABS.
(3) For IRIS values, the date IRIS was searched is provided.
For HEAST values, the date of HEAST is provided
For EPA-NCEA values, the date of the article provided by NCEA is provided.

Weight of Evidence. A - Human carcinogen
B1 - Probable human carcinogen - indicate that llimited human data are available
B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans
C - Posible human carcinogen
D - Not classifiable as a human carcinogen
E - Evidence of noncarcinogenicity

TABLE 6.2
CANCER TOXICITY DATA - INHALATION
DAVISVILLE SITE 16

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation Cancer Slope Factor	Units	Weight of Evidence/Cancer Guideline Description	Source	Date (1)
Dioxin/Furans						
TCDD-TEQ	Chronic	1 50E+05	per (mg/kg-day)			8/7/2001
Inorganics						
ALUMINUM	NA	NA	per (mg/kg-day)	D	EPA-NCEA	5/30/1997
ANTIMONY	NA	NA	per (mg/kg-day)	A	IRIS	8/7/2001
ARSENIC	Chronic	1 51E+01	per (mg/kg-day)	D	IRIS	8/7/2001
BARIUM	NA	NA	per (mg/kg-day)	NA	IRIS	8/7/2001
COPPER	NA	NA	per (mg/kg-day)	D	IRIS	8/7/2001
MANGANESE	NA	NA	per (mg/kg-day)	D	IRIS	8/7/2001
THALLIUM	NA	NA	per (mg/kg-day)	D	IRIS	8/7/2001
PAHs						
BENZ(A)ANTHRACENE	Chronic	3.10E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
BENZO[A]PYRENE	Chronic	3.10E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
BENZO(B)FLUORANTHENE	Chronic	3 10E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
DIBENZ[A, H]ANTHRACENE	NA	NA	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
INDENO(1,2,3-CD)PYRENE	Chronic	3 10E-01	per (mg/kg-day)	B2	EPA-NCEA	7/1/1993
2-METHYLNAPHTHALENE	NA	NA	per (mg/kg-day)	C	EPA-NCEA	5/23/2001
NAPHTHALENE	NA	NA	per (mg/kg-day)	C	IRIS	8/7/2001
Pesticides/PCDDs/PCDFs						
ALPHA BHC	Chronic	6.30E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
DIELDRIN	Chronic	1 60E+01	per (mg/kg-day)	B2	IRIS	8/7/2001
HEPTACHLOR EPOXIDE	Chronic	9 10E+00	per (mg/kg-day)	B2	IRIS	8/7/2001
Semivolatiles						
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	per (mg/kg-day)	B2	IRIS	8/15/2001
1,4-DICHLOROBENZENE	Chronic	NA	per (mg/kg-day)	NA	IRIS	8/15/2001
DIBENZOFURAN	NA	NA	per (mg/kg-day)	D	IRIS	8/7/2001
Volatiles						
1,1,2-TRICHLOROETHANE	Chronic	5 60E-02	per (mg/kg-day)	C	IRIS	8/15/2001
1,1-DICHLOROETHENE	NA	NA	per (mg/kg-day)	C	IRIS	6/1/2003
1,2-DICHLOROETHANE	Chronic	9 10E-02	per (mg/kg-day)	B2	IRIS	8/15/2001
ACETONE	NA	NA	per (mg/kg-day)	NA	IRIS	8/15/2001
BENZENE	Chronic	2.90E-02	per (mg/kg-day)	A	IRIS	8/7/2001
CHLOROFORM	Chronic	8 05E-02	per (mg/kg-day)	B2	IRIS	8/7/2001
CIS-1,2-DICHLOROETHENE	NA	NA	per (mg/kg-day)	D	IRIS	8/15/2001
TOTAL 1,2-DICHLOROETHENE	NA	NA	per (mg/kg-day)	D	IRIS	8/15/2001
TRICHLOROETHENE	Chronic	6.00E-03	per (mg/kg-day)	NA	EPA-NCEA	
VINYL CHLORIDE-adult/child	Chronic	3.10E-02	per (mg/kg-day)	A	IRIS	8/15/2001
VINYL CHLORIDE-adult	Chronic	1.60E-02	per (mg/kg-day)	A	IRIS	8/15/2001

N/A= Not Applicable
(1) For IRIS values, the date IRIS was searched is provided.
For HEAST values, the date of HEAST is provided
For EPA-NCEA values, the date of the article provided by NCEA is provided

Weight of Evidence. A - Human carcinogen
B1 - Probable human carcinogen - indicate that llimited human data are available
B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans
C - Posible human carcinogen
D - Not classifiable as a human carcinogen
E - Evidence of noncarcinogenicity

TABLE 7.1 IEUBK MODEL RESULTS FOR SOIL AND GROUNDWATER DAVISVILLE SITE 16

LEAD MODEL Version 0.99d

AIR CONCENTRATION: 0.100 ug Pb/m3 DEFAULT
Indoor AIR Pb Conc: 30.0 percent of outdoor.
Other AIR Parameters:

Age	Time Outdoors (hr)	Vent. Rate (m3/day)	Lung Abs. (%)
0-1	1.0	2.0	32.0
1-2	2.0	3.0	32.0
2-3	3.0	5.0	32.0
3-4	4.0	5.0	32.0
4-5	4.0	5.0	32.0
5-6	4.0	7.0	32.0
6-7	4.0	7.0	32.0

DIET: DEFAULT

DRINKING WATER Conc: 3.63 ug Pb/L; WATER Consumption: DEFAULT

SOIL & DUST: Soil: constant conc.; Dust: Multiple Source Analysis

Age	Soil (ug Pb/g)	House Dust (ug Pb/g)
0-1	160.0	122.0
1-2	160.0	122.0
2-3	160.0	122.0
3-4	160.0	122.0
4-5	160.0	122.0
5-6	160.0	122.0
6-7	160.0	122.0

Additional Dust Sources: None DEFAULT
Soil contribution conversion factor: 0.70
Air contribution conversion factor: 100.0

PAINT Intake: 0.00 ug Pb/day DEFAULT

MATERNAL CONTRIBUTION: Infant Model; Maternal Blood Conc: 2.50 ug Pb/dL

CALCULATED BLOOD Pb and Pb UPTAKES:

YEAR	Blood Level (ug/dL)	Total Uptake (ug/day)	Soil+Dust Uptake (ug/day)
0.5-1:	3.4	6.24	3.30
1-2:	3.7	8.77	5.22
2-3:	3.4	9.23	5.26
3-4:	3.2	9.23	5.31
4-5:	2.8	7.90	4.00
5-6:	2.4	7.78	3.62
6-7:	2.3	7 93	3.43

YEAR	Diet Uptake (ug/day)	Water Uptake (ug/day)	Paint Uptake (ug/day)	Air Uptake (ug/day)
0.5-1:	2.58	0.34	0.00	0.02
1-2:	2.68	0.84	0.00	0 03
2-3:	3.03	0.88	0.00	0.06
3-4:	2.94	0.91	0.00	0.07
4-5:	2 88	0.96	0.00	0 07
5-6:	3.05	1.01	0 00	0.09
6-7:	3.38	1 03	0.00	0 09

TABLE 7.2 IEUBK MODEL RESULTS FOR SOIL AND SEEP WATER DAVISVILLE SITE 16

LEAD MODEL Version 0.99d

AIR CONCENTRATION.0.100 ug Pb/m3; DEFAULT Indoor AIR Pb Conc 30.0% of outdoor. Other AIR Parameters:

Age	Time Outdoors (hr)	Vent. Rate (m3/day)	Lung Abs. (%)
0-1	1.0	2.0	32.0
1-2	2.0	3.0	32.0
2-3	3.0	5.0	32.0
3-4	4.0	5.0	32 0
4-5	4.0	5.0	32.0
5-6	4.0	7.0	32.0
6-7	4.0	7.0	32.0

DIET: DEFAULT

DRINKING WATER Conc: 13.10 ug Pb/L; Other WATER Parameters (non-default):

Age	Water Consumption (L/day)
0-1	0.10
1-2	0.25
2-3	0.26
3-4	0.27
4-5	0.28
5-6	0.29
6-7	0.30

SOIL & DUST: Soil: constant conc.; Dust: Multiple Source Analysis

Age	Soil (ug Pb/g)	House Dust (ug Pb/g)
0-1	160.0	122.0
1-2	160.0	122.0
2-3	160.0	122.0
3-4	160.0	122.0
4-5	160.0	122.0
5-6	160.0	122.0
6-7	160.0	122.0

Additional Dust Sources: None DEFAULT; Soil contribution conversion factor: 0.70

Air contribution conversion factor: 100.0

PAINT Intake: 0 00 ug Pb/day DEFAULT

MATERNAL CONTRIBUTION: Infant Model; Maternal Blood Conc: 2.50 ug Pb/dL

CALCULATED BLOOD Pb and Pb UPTAKES:

YEAR	Blood Level (ug/dL)	Total Uptake (ug/day)	Soil+Dust Uptake (ug/day)
0.5-1:	3.5	6.49	3.29
1-2:	3.9	9.39	5.19
2-3:	3.7	9.89	5.23
3-4:	3.5	9 95	5.29
4-5:	3.0	8.66	3.98
5-6:	2.7	8.56	3 60
6-7:	2.5	8.76	3 41

YEAR	Diet Uptake (ug/day)	Water Uptake (ug/day)	Paint Uptake (ug/day)	Air Uptake (ug/day)
0.5-1:	2 57	0.61	0.00	0.02
1-2:	2.66	1.51	0.00	0.03
2-3:	3.02	1.58	0.00	0.06
3-4:	2.93	1.66	0.00	0.07
4-5:	2.87	1.75	0.00	0.07
5-6:	3.04	1.82	0.00	0.09
6-7:	3.37	1.89	0.00	0 09

TABLE 8
CALCULATION OF LEAD RISK BASED ON EPA TRW MODEL
CONSTRUCTION WORKER SCENARIO
DAVISVILLE SITE 16

Parameter		Units	Reference
Central estimate of blood lead concentrations = $PbB_{adult,central}$	Calculated	µg/dL	
Goal for blood lead concentration among fetuses = $PbB_{fetal,0.95}$	Calculated	µg/dL	
Typical adult blood level concentration = $PbB_{adult,0}$	2.0	µg/dL	EPA, 1996
Soil lead concentration = PbS	160	µg/g	Site-Specific
Biokinetic slope factor = BKSF	0.4	µg/dL per µg/day	EPA, 1996
Intake rate of Soil = IR_S	0.1	g/day	EPA, 1991; FAQ sheet
Absolute gastrointestional absorption fraction = AF_S	0.12		EPA, 1996
Exposure frequency = EF_S	160	day/yr	EPA, 1990
Averaging Time = AT	365	days/yr	EPA, 1996
Estimated Value of the individual geometric standard deviation = GSD	2.0	dimensionless	EPA, 1996
Constant of proportionality between fetal blood lead conc. and maternal blood lead conc. = R	0.9	dimensionless	EPA, 1996

Blood Lead Level Calculations:

$$PbB_{adult,\ central} = PbB_{adult,0} + PbS*BKSF*IR_S*AF_S*EF_S/AT$$

$$PbB_{adult,central} = 2.34\ \mu g/dL$$

$$PbB_{fetal,0.95} = PbB_{adult,central} * GSD^{1.645} * R_{fetal/maternal}$$

$$PbB_{fetal,0.95} = 6.58\ \mu g/dL$$

FAQ sheet = Frequently Asked Questions document developed by EPA for the TRW model

TABLE 9.1
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location Site 16
Scenario Timeframe Future
Receptor Population Resident
Receptor Age Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil Child	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	2.2E-06	1 2E-07	7 1E-11	2.4E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	1 8E-02	0 0E+00	5.7E-04	1 9E-02
			ANTIMONY	--	--	--	NA	ANTIMONY	Blood glucose and cholesterol	9 0E-03	0 0E+00	--	9 0E-03
			ARSENIC	1 0E-06	5.3E-08	3 2E-10	1.1E-06	ARSENIC	Skin	7 9E-02	4 1E-03	--	8.3E-02
			BARIUM	--	--	--	NA	BARIUM	Kidneys	3 3E-03	0.0E+00	5.3E-05	3 4E-03
			COPPER	--	--	--	NA	COPPER	Gastrointestional System	3 8E-03	0 0E+00	--	3 8E-03
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2 7E-02	0 0E+00	1.2E-03	2.9E-02
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	1 3E-02	0.0E+00	--	1 3E-02
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	2 4E-08	5 5E-09	3 3E-13	3 0E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	2 4E-07	5 4E-08	3 2E-12	2 9E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	3 0E-08	6 7E-09	4 0E-13	3 6E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	1 8E-07	4.0E-08	--	2.2E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	2 0E-08	4 5E-09	2 7E-13	2 5E-08	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	1.1E-04	2.4E-05	--	1 3E-04
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	6 7E-05	1 5E-05	4 7E-08	8 3E-05
			(Total for Child)	3 7E-06	2 8E-07	4 0E-10	4 0E-06		(Total for Child)	1 5E-01	4 2E-03	1 8E-03	1 6E-01
	Total Soil Adult	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1.1E-06	4 02E-08	9 01E-11	1.1E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	1 9E-03	0 0E+00	2 1E-04	2.1E-03
			ANTIMONY	--	--	--	NA	ANTIMONY	Blood glucose and cholesterol	9 7E-04	0 0E+00	--	9 7E-04
			ARSENIC	4 9E-07	1 82E-08	4 10E-10	5.1E-07	ARSENIC	Skin	8 5E-03	3.1E-04	--	8 8E-03
			BARIUM	--	--	--	NA	BARIUM	Kidneys	3 5E-04	0.0E+00	1.9E-05	3 8E-04
			COPPER	--	--	--	NA	COPPER	Gastrointestional System	4 1E-04	0 0E+00	--	4 1E-04
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2 9E-03	0 0E+00	4 4E-04	3 4E-03
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	1 4E-03	0 0E+00	--	1 4E-03
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	1 2E-08	1 90E-09	4 16E-13	1 4E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1 2E-07	1 86E-08	4 08E-12	1.3E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1.4E-08	2 30E-09	5 04E-13	1.7E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	8 6E-08	1 38E-08	--	9 9E-08	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	9 7E-09	1 56E-09	3 42E-13	1 1E-08	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	1 1E-05	1 8E-06	--	1 3E-05
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	7 2E-06	1 2E-06	1.7E-08	8 4E-06
			(Total for Adult)	1 8E-06	9 7E-08	5 1E-10	1 9E-06		(Total for Adult)	1.6E-02	3 2E-04	6 7E-04	1 7E-02
	Total Soil Adult + Child	Site 16	**Dioxin/Furans**										
			TCDD-TEQ	3 3E-06	1 6E-07	1 6E-10	3.5E-06						
			Explosives										
			2,4,6-TRINITROTOLUENE	NA	NA	NA	NA						
			Inorganics										
			ALUMINUM	NA	NA	NA	NA						
			ANTIMONY	NA	NA	NA	NA						
			ARSENIC	1 5E-06	7 1E-08	7 3E-10	1 6E-06						
			BARIUM	NA	NA	NA	NA						
			COPPER	NA	NA	NA	NA						
			MANGANESE	NA	NA	NA	NA						
			THALLIUM	NA	NA	NA	NA						
			PAHs										
			BENZ(A)ANTHRACENE	3 6E-08	7 4E-09	7 4E-13	4.4E-08						
			BENZO[A]PYRENE	3 5E-07	7 3E-08	7 3E-12	4 3E-07						
			BENZO(B)FLUORANTHENE	4.4E-08	9 0E-09	9 0E-13	5 3E-08						
			DIBENZ[A, H]ANTHRACENE	2 6E-07	5 4E-08	NA	3 2E-07						
			INDENO(1,2,3-CD)PYRENE	3 0E-08	6 1E-09	6 1E-13	3 6E-08						
			2-METHYLNAPHTHALENE	NA	NA	NA	NA						
			NAPHTHALENE	NA	NA	NA	NA						
			(Total for Child + Adult)	2 3E-03	1 7E-04	3 5E-07	5 9E-06						
				Total Risk Across Total Soil			5.9E-06		Total Hazard Index Across Total Soil (Child)				1.6E-01
									Total Hazard Index Across Total Soil (Adult)				1.7E-02

TABLE 9 1
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location Site 16
Scenario Timeframe Future
Receptor Population Resident
Receptor Age Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	4 5E-01	2 6E-02	--	4 7E-01
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8.9E+00	8 9E-01	--	9 8E+00
			Semivolatiles					**Semivolatiles**					
			BIS(2-ETHYLHEXYL)PHTHALATE	1 6E-07	1 4E-08	--	1 7E-07	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	1 8E-02	1 6E-03	--	1 9E-02
			1,4-DICHLOROBENZENE	4.6E-08	1 2E-08	--	5.8E-08	1,4-DICHLOROBENZENE	Liver	2 3E-03	5 6E-04	--	2 8E-03
			Volatiles					**Volatiles**					
			1,1 2-TRICHLOROETHANE	5.5E-08	1 9E-09	--	5.7E-08	1,1,2-TRICHLOROETHANE	Respiratory System	8.4E-03	2 8E-04	--	8 7E-03
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	1 4E-03	4 8E-05	--	1 4E-03
			1,2-DICHLOROETHANE	3 5E-08	7 5E-10	--	3 6E-08	1,2-DICHLOROETHANE	Central Nervous System	4 5E-04	9.6E-06	--	4 6E-04
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	4 4E-02	1 0E-04	--	4 4E-02
			BENZENE	5 3E-08	4 5E-09	--	5 8E-08	BENZENE	Central Nervous System	1 1E-02	9 5E-04	--	1 2E-02
			CHLOROFORM	2 9E-09	1.1E-10	--	3 0E-09	CHLOROFORM	Liver, Kidneys, Central Nervous System	1 7E-03	6 0E-05	--	1 7E-03
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	3 7E-01	1 5E-02	--	3 9E-01
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	1.9E-01	8 2E-04	--	1 9E-01
			TRICHLOROETHENE	6 7E-05	4 3E-06	--	7 1E-05	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	3 5E+01	2 3E+00	--	3 8E+01
			VINYL CHLORIDE	2 9E-06	8 5E-08	--	3 0E-06	VINYL CHLORIDE	Liver	2.3E-02	6 6E-04	--	2 3E-02
			(Total for Child)	7 0E-05	4 4E-06	---	7 5E-05		(Total for Child)	4 5E+01	3 2E+00	---	4 9E+01
	Groundwater Adult	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	1 8E-01	5 59E-03	--	1 9E-01
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	3 6E+00	1 96E-01	--	3 8E+00
			Semivolatiles					**Semivolatiles**					
			BIS(2-ETHYLHEXYL)PHTHALATE	2 8E-07	1 41E-08	--	3 0E-07	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	7 2E-03	3 57E-04	0 0E+00	7 5E-03
			1,4-DICHLOROBENZENE	8 5E-08	1 14E-08	--	9 6E-08	1,4-DICHLOROBENZENE	Liver	9 1E-04	1 23E-04	0 0E+00	1 0E-03
			Volatiles					**Volatiles**					
			1,1,2 TRICHLOROETHANE	1 0E-07	1 83E-09	1.2E-07	2 2E-07	1,1,2-TRICHLOROETHANE	Respiratory System	3 4E-03	6 23E-05	--	3 5E-03
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	5 5E-04	1 06E-05	7 5E-04	1 3E-03
			1,2-DICHLOROETHANE	6 4E-08	7 36E-10	8 5E-08	1 5E-07	1,2-DICHLOROETHANE	Central Nervous System	1 8E-04	2 10E-06	5 2E-03	5 4E-03
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	1.8E-02	2 20E-05	--	1 8E-02
			BENZENE	9 7E-08	4 41E-09	8 5E-08	1 9E-07	BENZENE	Central Nervous System	4 6E-03	2 08E-04	1 3E-02	1.8E-02
			CHLOROFORM	5 4E-09	1 04E-10	9 9E-08	1 0E-07	CHLOROFORM	Liver, Kidneys, Central Nervous System	6 8E-04	1 32E-05	1 1E-02	1 2E-02
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	1 5E-01	3 26E-03	--	1 5E-01
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	7 5E-02	1 80E-04	--	7 6E-02
			TRICHLOROETHENE	1 2E-04	4 23E-06	9 3E-05	2 2E-04	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	1 4E+01	4 99E-01	--	1 5E+01
			VINYL CHLORIDE	5 3E-06	8 36E-08	1 6E-07	5 5E-06	VINYL CHLORIDE	Liver	9 1E-03	1 44E-04	1 4E-03	1 1E-02
			(Total for Adult)	1 3E-04	4 3E-06	9 3E-05	2 3E-04		(Total for Adult)	1 8E+01	7 0E-01	3 2E-02	1 9E+01
	Groundwater Adult + Child	Site 16	**Inorganics**										
			BARIUM	NA	NA	NA	NA						
			MANGANESE	NA	NA	NA	NA						
			Semivolatiles										
			BIS(2-ETHYLHEXYL)PHTHALATE	4 4E-07	2 8E-08	NA	4 7E-07						
			1,4-DICHLOROBENZENE	1 3E-07	2 3E-08	NA	1 5E-07						
			Volatiles										
			1,1,2-TRICHLOROETHANE	1 6E-07	3 7E-09	1 2E-07	2 7E-07						
			1,1-DICHLOROETHENE	NA	NA	NA	NA						
			1,2-DICHLOROETHANE	9 9E-08	1 5E-09	8 5E-08	1 9E-07						
			ACETONE	NA	NA	NA	NA						
			BENZENE	1 5E-07	8 9E-09	8 5E-08	2 4E-07						
			CHLOROFORM	8 3E-09	2 1E-10	9 9E-08	1 1E-07						
			CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA						
			TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA						
			TRICHLOROETHENE	1 9E-04	8 5E-06	9 3E-05	2 9E-04						
			VINYL CHLORIDE	8 2E-06	1 7E-07	1 6E-07	8 5E-06						
			(Total for Child + Adult)	2 0E-04	8 8E-06	9 3E-05	3 0E-04						
			Total Risk Across Groundwater (Adult + Child)				**3.0E-04**		**Total Hazard Index Across Groundwater (Child)**				**4.9E+01**
									Total Hazard Index Across Groundwater (Adult)				**1.9E+01**
			Total Risk Across All Media and All Exposure Routes				**3.1E-04**		**Total Hazard Index Across All Media and All Exposure Routes (Child)**				**4.9E+01**
									Total Hazard Index Across All Media and All Exposure Routes (Adult)				**1 9E+01**

TABLE 9.2
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population Recreational User
Receptor Age Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	6.9E-08	4.1E-08	3.5E-12	1.1E-07	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	5.6E-04	0 0E+00	2.5E-05	5.9E-04
			ANTIMONY	--	--	NA	NA	ANTIMONY	Blood glucose and cholesterol	0.0E+00	0.0E+00	NA	NA
			ARSENIC	4.8E-08	2.9E-08	2.5E-11	7.7E-08	ARSENIC	Skin	8.4E-04	5.0E-04	--	1.3E-03
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8 7E-04	0.0E+00	5.5E-05	9.2E-04
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	4.1E-04	0.0E+00	--	4.1E-04
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	4.9E-09	1.3E-08	1.1E-13	1 8E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	4.1E-08	1.1E-07	8.8E-13	1.5E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	6.0E-09	1 5E-08	1 3E-13	2.1E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	3.4E-08	8.7E-08	--	1 2E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	3.7E-09	9.5E-09	7.9E-14	1.3E-08	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			(Total)	2.1E-07	3.0E-07	2.9E-11	5.1E-07		(Total)	2.7E-03	5.0E-04	8.1E-05	3.3E-03
			Total Risk Across Surface Soil				**5.1E-07**		**Total Hazard Index Across Surface Soil**				**3.3E-03**
Seep Water	Seep Water	Site 16	**Inorganics**					**Inorganics**					
			ARSENIC	1.3E-09	2.6E-10	--	1.5E-09	ARSENIC	Skin	2.2E-05	4.5E-06	--	2 7E-05
			BARIUM	--	--	--	NA	BARIUM	Kidneys	1.0E-05	3.0E-05	--	4 0E-05
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2 1E-04	1 1E-03	--	1.3E-03
			PAHs					**PAHs**					
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	9 3E-08	1 3E-06	--	1.4E-06
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	3 9E-07	5.4E-06	--	5.8E-06
			Pesticides/PCBs					**Pesticides/PCBs**					
			ALPHA-BHC	5.2E-11	2 0E-10	--	2.5E-10	ALPHA-BHC	NA	--	--	--	NA
			DIELDRIN	1.7E-10	5 5E-11	--	2 3E-10	DIELDRIN	Liver	1 7E-06	5 3E-07	--	2 2E-06
			HEPTACHLOR EPOXIDE	4.6E-11	1 0E-10	--	1.5E-10	HEPTACHLOR EPOXIDE	Liver, Central Nervous System	3 0E-06	6.6E-06	--	9.6E-06
			Semivolatiles					**Semivolatiles**					
			DIBENZOFURAN	--	--	--	NA	DIBENZOFURAN	Liver, Kidney	5.6E-06	6 9E-05	--	7.4E-05
			Volatiles					**Volatiles**					
			VINYL CHLORIDE	2 5E-10	3 7E-10	--	6.2E-10	VINYL CHLORIDE	Liver	4.4E-07	6.4E-07	--	1.1E-06
			(Total)	1 8E-09	9 8E-10	---	2.8E-09		(Total)	2 6E-04	1 2E-03	---	1.4E-03
			Total Risk Across Seep Water				**2.8E-09**		**Total Hazard Index Across Seep Water**				**1.4E-03**
			Total Risk Across All Media and All Exposure Routes				**5.1E-07**		**Total Hazard Index Across All Media and All Exposure Routes**				**4.7E-03**

TABLE 9 3
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe Future
Receptor Population Recreational User
Receptor Age Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1.4E-07	2 0E-08	3 6E-12	1 6E-07	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	5 2E-03	0 0E+00	1.3E-04	5 4E-03
			ARSENIC	1 0E-07	1.4E-08	2.5E-11	1 1E-07	ARSENIC	Skin	7 8E-03	1 1E-03	--	8 9E-03
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8 1E-03	0 0E+00	2 9E-04	8 4E-03
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	3 8E-03	0 0E+00	--	3 8E-03
			PAHs					**PAHs**					
			1,2-BENZPHENANTHRENE (Chrysene)	0 0E+00	0 0E+00	--	NA	1,2-BENZPHENANTHRENE (Chrysene)	NA	--	--	--	NA
			BENZ(A)ANTHRACENE	1.0E-08	6 2E-09	1 1E-13	1 6E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	8 6E-08	5 2E-08	9 2E-13	1 4E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1.2E-08	7 5E-09	1.3E-13	2 0E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			BENZO(K)FLUORANTHENE	0 0E+00	0 0E+00	--	NA	BENZO(K)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	7 0E-08	4 2E-08	--	1.1E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	7.6E-09	4.6E-09	8 2E-14	1 2E-08	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			(Total)	4 3E-07	1 5E-07	3 0E-11	5 7E-07	(Total)		2 5E-02	1 1E-03	4.2E-04	2 6E-02
				Total Risk Across Surface Soil			**5.7E-07**		**Total Hazard Index Across Surface Soil**				**2.6E-02**
Seep Water	Seep Water	Site 16	**Inorganics**					**Inorganics**					
			ARSENIC	1.3E-09	1 4E-10	--	1 5E-09	ARSENIC	Skin	1 0E-04	1.1E-05	--	1 2E-04
			BARIUM	--	--	--	NA	BARIUM	Kidneys	4.8E-05	7 4E-05	--	1 2E-04
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	9 9E-04	2 7E-03	--	3 7E-03
			PAHs					**PAHs**					
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	4.3E-07	3 2E-06	--	3.7E-06
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	1 8E-06	1 4E-05	--	1 5E-05
			Pesticides/PCBs					**Pesticides/PCBs**					
			ALPHA-BHC	5 3E-11	1.1E-10	--	1 6E-10	ALPHA-BHC	NA	--	--	--	NA
			DIELDRIN	1 8E-10	3 1E-11	--	2 1E-10	DIELDRIN	Liver	7 7E-06	1.3E-06	--	9 1E-06
			HEPTACHLOR EPOXIDE	4 7E-11	5 6E-11	--	1 0E-10	HEPTACHLOR EPOXIDE	Liver, Central Nervous System	1.4E-05	1 7E-05	--	3 1E-05
			Semivolatiles					**Semivolatiles**					
			DIBENZOFURAN	--	--	--	NA	DIBENZOFURAN	Liver, Kidney	2 6E-05	1 7E-04	--	2 0E-04
			Volatiles					**Volatiles**					
			VINYL CHLORIDE	2.6E-10	2 1E-10	--	4 7E-10	VINYL CHLORIDE	Liver	2 0E-06	1 6E-06	--	3 6E-06
			(Total)	1.9E-09	5 5E-10	--	2 4E-09	(Total)		1 2E-03	3 0E-03	--	4 2E-03
				Total Risk Across Seep Water			**2.4E-09**		**Total Hazard Index Across Seep Water**				**4.2E-03**
			Total Risk Across All Media and All Exposure Routes				**5.8E-07**		**Total Hazard Index Across All Media and All Exposure Routes**				**3.1E-02**

TABLE 9 4
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location Site 16
Scenario Timeframe Future
Receptor Population Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1 3E-07	1 2E-08	1 2E-11	1.4E-07	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	0 0E+00	0 0E+00	0 0E+00	NA
			ANTIMONY	--	--	--	NA	ANTIMONY	Blood glucose and cholesterol	0 0E+00	0.0E+00	--	NA
			ARSENIC	5 8E-08	5 5E-09	5 3E-11	6 3E-08	ARSENIC	Skin	9 0E-03	8 5E-04	--	9 9E-03
			BARIUM	--	--	--	NA	BARIUM	Kidneys	0 0E+00	0 0E+00	0 0E+00	NA
			COPPER	--	--	--	NA	COPPER	Gastrointestional System	0 0E+00	0 0E+00	--	NA
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	0.0E+00	0 0E+00	0 0E+00	NA
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	0 0E+00	0 0E+00	--	NA
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	1 4E-09	5 7E-10	5 4E-14	2 0E-09	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1.4E-08	5 6E-09	5 3E-13	1 9E-08	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1 7E-09	6 9E-10	6 5E-14	2 4E-09	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	1 0E-08	4 1E-09	--	1 4E-08	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	0 0E+00	0 0E+00	0 0E+00	NA	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	1 2E-05	4 9E-06	--	1 7E-05
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	0 0E+00	0 0E+00	0.0E+00	NA
			(Total)	2 1E-07	2 9E-08	6 5E-11	2 4E-07		(Total)	9 0E-03	8.5E-04	--	9 9E-03
				Total Risk Across Total Soil			2.4E-07		Total Hazard Index Across Total Soil				9.9E-03
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	1 0E-03	1 1E-02	--	NA
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2 1E-02	3 8E-01	--	1 2E-02
			Semivolatiles					**Semivolatiles**					4 0E-01
			BIS(2-ETHYLHEXYL)PHTHALATE	1.8E-10	3 0E-09	--	3.2E-09	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	4 1E-05	6.9E-04	--	7 3E-04
			1,4-DICHLOROBENZENE	5 4E-11	2 4E-09	--	2 5E-09	1,4-DICHLOROBENZENE	Liver	5 2E-06	2 4E-04	--	2 4E-04
			Volatiles					**Volatiles**					
			1,1,2-TRICHLOROETHANE	6 4E-11	3 9E-10	--	4 6E-10	1,1,2-TRICHLOROETHANE	Respiratory System	2 0E-05	1 2E-04	--	1 4E-04
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	3 1E-06	2 1E-05	--	2 4E-05
			1,2-DICHLOROETHANE	4 1E-11	1 6E-10	--	2 0E-10	1,2-DICHLOROETHANE	Central Nervous System	1 0E-06	4 1E-06	--	5.1E-06
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	1.0E-04	4 3E-05	--	1 4E-04
			BENZENE	6 2E-11	9 5E-10	--	1 0E-09	BENZENE	Central Nervous System	2 6E-05	4 0E-04	--	4 3E-04
			CHLOROFORM	3.4E-12	2 2E-11	--	2 6E-11	CHLOROFORM	Liver, Kidneys, Central Nervous System	3 9E-06	2 6E-05	--	3 0E-05
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	8 6E-04	6 3E-03	--	7.2E-03
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	4 3E-04	3 5E-04	--	7 8E-04
			TRICHLOROETHENE	7 7E-08	9 1E-07	--	9 9E-07	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	8 2E-02	9 7E-01	--	1 1E+00
			VINYL CHLORIDE	3 4E-09	1 8E-08	--	2 1E-08	VINYL CHLORIDE	Liver	5 2E-05	2 8E-04	--	3 3E-04
			(Total)	8 1E-08	9 4E-07	--	1.0E-06		(Total)	1.1E-01	1 4E+00	--	1 5E+00
				Total Risk Across Groundwater			1 0E-06		Total Hazard Index Across Groundwater				1 5E+00
			Total Risk Across All Media and All Exposure Routes				1 3E-06		Total Hazard Index Across All Media and All Exposure Routes				1.5E+00

TABLE 9.5
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
CENTRAL TENDENCY EXPOSURE SCENARIO
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Commercial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	2.9E-07	1.1E-08	1.4E-11	3.0E-07	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	2.0E-07	7.5E-09	1.0E-10	2.1E-07	ARSENIC	Skin	2.6E-03	9.7E-05	--	2.7E-03
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	2.1E-08	3.3E-09	4.4E-13	2.4E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1.7E-07	2.8E-08	3.7E-12	2.0E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	2.5E-08	4.0E-09	3.7E-12	2.9E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	1.4E-07	2.3E-08	--	1.6E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total)	8.5E-07	7.6E-08	1.2E-10	9.2E-07		(Total)	2.6E-03	9.7E-05	---	2.7E-03
			Total Risk Across Surface Soil				**9.2E-07**		**Total Hazard Index Across Surface Soil**				**2.7E-03**
			Total Risk Across All Media and All Exposure Routes				**9.2E-07**		**Total Hazard Index Across All Media and All Exposure Routes**				**2.7E-03**

TABLE 9.6
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location Site 16
Scenario Timeframe. Future
Receptor Population· Resident
Receptor Age· Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil Child	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1 3E-05	1 5E-06	1 2E-09	1.5E-05	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	3 6E-02	0 0E+00	3 2E-03	3.9E-02
			ANTIMONY	--	--	--	NA	ANTIMONY	Blood glucose and cholesterol	1 8E-02	0.0E+00	--	1.8E-02
			ARSENIC	6.1E-06	6.6E-07	5 4E-09	6.7E-06	ARSENIC	Skin	1 6E-01	1 7E-02	--	1 7E-01
			BARIUM	--	--	--	NA	BARIUM	Kidneys	6 7E-03	0.0E+00	2 9E-04	6.9E-03
			COPPER	--	--	--	NA	COPPER	Gastrointestional System	7.6E-03	0 0E+00	--	7 6E-03
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	5 5E-02	0 0E+00	6 8E-03	6.2E-02
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	2 6E-02	0.0E+00	--	2.6E-02
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	1 5E-07	6 9E-08	5 5E-12	2 1E-07	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1 4E-06	6 7E-07	5 4E-11	2 1E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1 8E-07	8 3E-08	6 7E-12	2 6E-07	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	1.1E-06	5 0E-07	--	1 6E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	1.2E-07	5 6E-08	4.5E-12	1 8E-07	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	2 1E-04	9.9E-05	--	3 1E-04
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	1.3E-04	6 3E-05	2 6E-07	2 0E-04
			(Total for Child)	2 2E-05	3 5E-06	6.7E-09	2 6E-05		(Total for Child)	3.1E-01	1.7E-02	1.0E-02	3.4E-01
	Total Soil Adult	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	5 8E-06	9 7E-07	6 6E-10	6.7E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					NA
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	3 9E-03	0 0E+00	4 4E-04	4 3E-03
			ANTIMONY	--	--	--	NA	ANTIMONY	Blood glucose and cholesterol	1 9E-03	0 0E+00	--	1 9E-03
			ARSENIC	2 6E-06	4 4E-07	3.0E-09	3 0E-06	ARSENIC	Skin	1 7E-02	2 8E-03	--	2.0E-02
			BARIUM	--	--	--	NA	BARIUM	Kidneys	7 1E-04	0.0E+00	4 1E-05	7.5E-04
			COPPER	--	--	--	NA	COPPER	Gastrointestional System	8 2E-04	0.0E+00	--	8 2E-04
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	5.9E-03	0 0E+00	9 3E-04	6 8E-03
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	2 8E-03	0 0E+00	--	2 8E-03
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	6.3E-08	4 6E-08	3.0E-12	1 1E-07	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	6 1E-07	4 5E-07	3.0E-11	1.1E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	7.6E-08	5 5E-08	3.7E-12	1 3E-07	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	4 6E-07	3 3E-07	--	7 9E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	5 2E-08	3 8E-08	2.5E-12	8 9E-08	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	2 3E-05	1 6E-05	--	3 9E-05
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	1 4E-05	1 0E-05	3 6E-08	2 5E-05
			(Total for Adult)	9 6E-06	2 3E-06	3 7E-09	1 2E-05		(Total for Adult)	3 3E-02	2.9E-03	1 4E-03	3 7E-02
	Total Soil Adult + Child	Site 16	**Dioxin/Furans**										
			TCDD-TEQ	1.9E-05	2 4E-06	1 8E-09	2 2E-05						
			Inorganics										
			ALUMINUM	NA	NA	NA	NA						
			ANTIMONY	NA	NA	NA	NA						
			ARSENIC	8 7E-06	1 1E-06	8 4E-09	9 8E-06						
			BARIUM	NA	NA	NA	NA						
			COPPER	NA	NA	NA	NA						
			MANGANESE	NA	NA	NA	NA						
			THALLIUM	NA	NA	NA	NA						
			PAHs										
			BENZ(A)ANTHRACENE	2.1E-07	1.1E-07	8 5E-12	3 2E-07						
			BENZO[A]PYRENE	2 0E-06	1.1E-06	8.3E-11	3 2E-06						
			BENZO(B)FLUORANTHENE	2 5E-07	1.4E-07	1.0E-11	3 9E-07						
			DIBENZ[A, H]ANTHRACENE	1 5E-06	8.3E-07	NA	2.4E-06						
			INDENO(1,2,3-CD)PYRENE	1 7E-07	9.4E-08	7 0E-12	2 7E-07						
			2-METHYLNAPHTHALENE	NA	NA	NA	NA						
			NAPHTHALENE	NA	NA	NA	NA						
			(Total for Child + Adult)	3 2E-05	5.8E-06	1 0E-08	3 8E-05		Total Hazard Index Across Total Soil (Child)				3.4E-01
				Total Risk Across Total Soil			3.8E-05		Total Hazard Index Across Total Soil (Adult)				3.7E-02

TABLE 9 6
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location. Site 16
Scenario Timeframe Future
Receptor Population Resident
Receptor Age Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Groundwater	Groundwater Child	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	1 3E+00	1 3E-01	--	1 4E+00
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2 5E+01	4 4E+00	--	3.0E+01
			Semivolatiles			--		**Semivolatiles**				--	
			BIS(2-ETHYLHEXYL)PHTHALATE	1 3E-06	2 1E-07	--	1 5E-06	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	5 0E-02	8 1E-03	--	5 8E-02
			1,4-DICHLOROBENZENE	3 9E-07	1 7E-07	--	5 7E-07	1,4-DICHLOROBENZENE	Liver	6.4E-03	2 8E-03	--	9 2E-03
			Volatiles			--		**Volatiles**				--	
			1,1,2-TRICHLOROETHANE	4 7E-07	2 8E-08	--	5 0E-07	1,1,2-TRICHLOROETHANE	Respiratory System	2.4E-02	1 4E-03	--	2 5E-02
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	3 8E-03	2 4E-04	--	4 1E-03
			1,2-DICHLOROETHANE	3 0E-07	1 1E-08	--	3.1E-07	1,2-DICHLOROETHANE	Central Nervous System	1.3E-03	4 7E-05	--	1 3E-03
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	1 2E-01	5.0E-04	--	1.3E-01
			BENZENE	4 5E-07	6 6E-08	--	5 2E-07	BENZENE	Central Nervous System	3.2E-02	4 7E-03	--	3 7E-02
			CHLOROFORM	2 5E-08	1.6E-09	--	2 7E-08	CHLOROFORM	Liver, Kidneys, Central Nervous System	4 8E-03	3.0E-04	--	5 1E-03
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	1 1E+00	7 4E-02	--	1 1E+00
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	5 3E-01	4 1E-03	--	5 3E-01
			TRICHLOROETHENE	5 7E-04	6 4E-05	--	6 3E-04	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	1 0E+02	1 1E+01	--	1 1E+02
			VINYL CHLORIDE	2 5E-05	1.3E-06	--	2 6E-05	VINYL CHLORIDE	Liver	6 4E-02	3 3E-03	--	6 7E-02
			(Total for Child)	6 0E-04	6 6E-05	---	6 6E-04		(Total for Child)	1 3E+02	1 6E+01	---	1 5E+02
	Groundwater Adult	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	4.2E-01	3 31E-02	--	4 5E-01
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8 3E+00	1 16E+00	--	9 5E+00
			Semivolatiles				NA	**Semivolatiles**					
			BIS(2-ETHYLHEXYL)PHTHALATE	1 7E-06	2 23E-07	--	2 0E-06	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	1 6E-02	2.11E-03	--	1 9E-02
			1,4-DICHLOROBENZENE	5.2E-07	1.79E-07	--	7 0E-07	1,4-DICHLOROBENZENE	Liver	2 1E-03	7 27E-04	--	2 8E-03
			Volatiles					**Volatiles**					
			1,1,2-TRICHLOROETHANE	6.2E-07	2 89E-08	6.2E-07	1 3E-06	1,1,2-TRICHLOROETHANE	Respiratory System	7 9E-03	3 69E-04	--	8 2E-03
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	1 3E-03	6 26E-05	1.5E-03	2 8E-03
			1,2-DICHLOROETHANE	3 9E-07	1 16E-08	4 5E-07	8 6E-07	1,2-DICHLOROETHANE	Central Nervous System	4 2E-04	1.24E-05	1 0E-02	1 1E-02
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	4 1E-02	1.30E-04	--	4.1E-02
			BENZENE	5 9E-07	6 96E-08	4 5E-07	1 1E-06	BENZENE	Central Nervous System	1.1E-02	1.23E-03	2 7E-02	3 8E-02
			CHLOROFORM	3.3E-08	1.64E-09	5 3E-07	5 6E-07	CHLOROFORM	Liver, Kidneys, Central Nervous System	1 6E-03	7 82E-05	2.2E-02	2 4E-02
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	3.5E-01	1.93E-02	--	3 7E-01
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	1 7E-01	1 06E-03	--	1 7E-01
			TRICHLOROETHENE	7 5E-04	6 68E-05	4 9E-04	1 3E-03	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	3 3E+01	2.95E+00	--	3 6E+01
			VINYL CHLORIDE	3 2E-05	1 32E-06	8 7E-07	3 5E-05	VINYL CHLORIDE	Liver	2 1E-02	8 56E-04	2.8E-03	2 5E-02
			(Total for Adult)	7 8E-04	6 9E-05	5 0E-04	1 4E-03		(Total for Adult)	4 2E+01	4 2E+00	6 3E-02	4 7E+01
	Groundwater Adult + Child	Site 16	**Inorganics**										
			BARIUM	NA	NA	NA	NA						
			MANGANESE	NA	NA	NA	NA						
			Semivolatiles										
			BIS(2-ETHYLHEXYL)PHTHALATE	3 1E-06	4 4E-07	NA	3 5E-06						
			1,4-DICHLOROBENZENE	9 1E-07	3 5E-07	NA	1 3E-06						
			Volatiles										
			1,1,2-TRICHLOROETHANE	1 1E-06	5 6E-08	6 2E-07	1 8E-06						
			1,1-DICHLOROETHENE	NA	NA	NA	NA						
			1,2-DICHLOROETHANE	6 9E-07	2 3E-08	4 5E-07	1 2E-06						
			ACETONE	NA	NA	NA	NA						
			BENZENE	1 0E-06	1 4E-07	4 5E-07	1 6E-06						
			CHLOROFORM	5 8E-08	3 2E-09	5 3E-07	5 9E-07						
			CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA						
			TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA						
			TRICHLOROETHENE	1 3E-03	1 3E-04	4 9E-04	1 9E-03						
			VINYL CHLORIDE	5 7E-05	2 6E-06	8 7E-07	6 1E-05						
			(Total for Child + Adult)	1 4E-03	1 3E-04	5 0E-04	2 0E-03		Total Hazard Index Across Groundwater (Child)				1.5E+02
			Total Risk Across Groundwater (Adult + Child)				2.0E-03		Total Hazard Index Across Groundwater (Adult)				4.7E+01
			Total Risk Across All Media and All Exposure Routes				2.1E-03		Total Hazard Index Across All Media and All Exposure Routes (Child)				1.5E+02
									Total Hazard Index Across All Media and All Exposure Routes (Adult)				4.7E+01

TABLE 9 7
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	7.3E-07	5.6E-07	3.7E-11	1.3E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	2.2E-03	0.0E+00	2.7E-04	2.5E-03
			ARSENIC	5 2E-07	4.0E-07	2.6E-10	9.1E-07	ARSENIC	Skin	3.3E-03	2.6E-03	--	5.9E-03
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	3.5E-03	0.0E+00	5.9E-04	4.1E-03
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	1.6E-03	0.0E+00	--	1.6E-03
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	5.3E-08	1.8E-07	1.1E-12	2.3E-07	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	4.4E-07	1.5E-06	9 4E-12	1.9E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	6.4E-08	2.1E-07	1.4E-12	2 8E-07	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	3.6E-07	1 2E-06	--	1.6E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	3.9E-08	1.3E-07	8.4E-13	1.7E-07	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			(Total)	2.2E-06	4.1E-06	3 1E-10	6.3E-06		(Total)	1.1E-02	2 6E-03	8.6E-04	1.4E-02
			Total Risk Across Surface Soil				**6.3E-06**		**Total Hazard Index Across Surface Soil**				**1.4E-02**
Seep Water	Seep Water	Site 16	**Inorganics**					**Inorganics**					
			ARSENIC	2.4E-08	3.2E-09	--	2 7E-08	ARSENIC	Skin	1 6E-04	2 1E-05	--	1.8E-04
			BARIUM	--	--	--	NA	BARIUM	Kidneys	7 2E-05	1 4E-04	--	2.1E-04
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	1 5E-03	5.0E-03	--	6 5E-03
			PAHs					**PAHs**					
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	6.5E-07	6.0E-06	--	6 7E-06
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	2.7E-06	2.5E-05	--	2.8E-05
			Pesticides/PCBs					**Pesticides/PCBs**					
			ALPHA-BHC	9.6E-10	2 4E-09	--	3 4E-09	ALPHA-BHC	NA	--	--	--	NA
			DIELDRIN	3 2E-09	6.8E-10	--	3 9E-09	DIELDRIN	Liver	1 2E-05	2.5E-06	--	1.4E-05
			HEPTACHLOR EPOXIDE	8 5E-10	1.3E-09	--	2.1E-09	HEPTACHLOR EPOXIDE	Liver, Central Nervous System	2 1E-05	3 1E-05	--	5.2E-05
			Semivolatiles					**Semivolatiles**					
			DIBENZOFURAN	--	--	--	NA	DIBENZOFURAN	Liver, Kidney	3 9E-05	3.2E-04	--	3.6E-04
			Volatiles					**Volatiles**					
			VINYL CHLORIDE	4.7E-09	4 6E-09	--	9 3E-09	VINYL CHLORIDE	Liver	3.1E-06	3.0E-06	--	6 0E-06
			(Total)	3.4E-08	1 2E-08	---	4.6E-08		(Total)	1 8E-03	5.5E-03	---	7.3E-03
			Total Risk Across Seep Water				**4.6E-08**		**Total Hazard Index Across Seep Water**				**7.3E-03**
			Total Risk Across All Media and All Exposure Routes				**6.4E-06**		**Total Hazard Index Across All Media and All Exposure Routes**				**2.1E-02**

TABLE 9 8
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location Site 16
Scenario Timeframe: Future
Receptor Population Recreational User
Receptor Age. Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1 7E-06	3 0E-07	5 4E-11	2 0E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ALUMINUM	--	--	--	NA	ALUMINUM	Central Nervous System	2.1E-02	0 0E+00	6 6E-04	2 2E-02
			ARSENIC	1 2E-06	2 1E-07	3 8E-10	1.4E-06	ARSENIC	Skin	3 1E-02	5 4E-03	--	3.7E-02
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	3 2E-02	0 0E+00	1 4E-03	3.4E-02
			THALLIUM	--	--	--	NA	THALLIUM	Liver, Blood	1 5E-02	0 0E+00	--	1 5E-02
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	1 2E-07	9 2E-08	1 6E-12	2 2E-07	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1.0E-06	7 7E-07	1 4E-11	1 8E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1.5E-07	1 1E-07	2 0E-12	2.6E-07	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	8 4E-07	6 3E-07	--	1 5E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			INDENO(1,2,3-CD)PYRENE	9 2E-08	6 9E-08	1 2E-12	1 6E-07	INDENO(1,2,3-CD)PYRENE	NA	--	--	--	NA
			(Total)	5 1E-06	2 2E-06	4 5E-10	7 3E-06	(Total)		1 0E-01	5 4E-03	2 1E-03	1 1E-01
			Total Risk Across Surface Soil				**7.3E-06**	**Total Hazard Index Across Surface Soil**					**1.1E-01**
Seep Water	Seep Water	Site 16	**Inorganics**					**Inorganics**					
			ARSENIC	2 8E-08	1.9E-09	--	3 0E-08	ARSENIC	Skin	7 3E-04	4 8E-05	--	7 8E-04
			BARIUM	--	--	--	NA	BARIUM	Kidneys	3 4E-04	3 2E-04	--	6 6E-04
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	6 9E-03	1 1E-02	--	1 8E-02
			PAHs					**PAHs**					
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	None	3 0E-06	1 4E-05	--	1 7E-05
			NAPHTHALENE	--	--	--	NA	NAPHTHALENE	None	1 3E-05	5 8E-05	--	7 1E-05
			Pesticides/PCBs					**Pesticides/PCBs**					
			ALPHA-BHC	1 1E-09	1.4E-09	--	2 5E-09	ALPHA-BHC	Immune System and Growth	--	--	--	NA
			DIELDRIN	3 7E-09	3 9E-10	--	4 1E-09	DIELDRIN	Liver	5 4E-05	5 7E-06	--	6 0E-05
			HEPTACHLOR EPOXIDE	1 0E-09	7 2E-10	--	1 7E-09	HEPTACHLOR EPOXIDE	Liver, Central Nervous System	9 8E-05	7 1E-05	--	1 7E-04
			Semivolatiles					**Semivolatiles**					
			DIBENZOFURAN	--	--	--	NA	DIBENZOFURAN	Liver, Kidney	1 8E-04	7 4E-04	--	9 2E-04
			Volatiles					**Volatiles**					
			VINYL CHLORIDE	5.5E-09	2 6E-09	--	8 1E-09	VINYL CHLORIDE	Liver	1 4E-05	6 9E-06	--	2 1E-05
			(Total)	3 9E-08	7 0E-09	---	4 6E-08	(Total)		8 4E-03	1.3E-02	---	2 1E-02
			Total Risk Across Seep Water				**4.6E-08**	**Total Hazard Index Across Seep Water**					**2.1E-02**
Total Risk Across All Media and All Exposure Routes							**7.4E-06**	**Total Hazard Index Across All Media and All Exposure Routes**					**1.3E-01**

TABLE 9.9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1.2E-06	8.8E-08	3.9E-11	1.3E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	5.6E-07	4.0E-08	1 8E-10	6.0E-07	ARSENIC	Skin	8.7E-02	6.2E-03	--	9.3E-02
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	1.3E-08	4.1E-09	1 8E-13	1.8E-08	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	1.3E-07	4.0E-08	1.8E-12	1.7E-07	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	1 6E-08	5 0E-09	2.2E-13	2 1E-08	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	9.7E-08	3.0E-08	--	1.3E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			2-METHYLNAPHTHALENE	--	--	--	NA	2-METHYLNAPHTHALENE	Central Nervous System, Eyes	1 2E-04	3 6E-05	--	1.5E-04
			(Total)	2.0E-06	2.1E-07	2.2E-10	2.3E-06		(Total)	8 7E-02	6 2E-03	---	9.3E-02
			Total Risk Across Total Soil				**2.3E-06**		**Total Hazard Index Across Total Soil**				**9.3E-02**
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	4.1E-03	5.4E-02	--	NA
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8.3E-02	1.9E+00	--	5.8E-02
			Semivolatiles					**Semivolatiles**					
			BIS(2-ETHYLHEXYL)PHTHALATE	7.2E-10	1.5E-08	--	1 6E-08	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	1.6E-04	3.4E-03	--	2.0E+00
			1,4-DICHLOROBENZENE	2.1E-10	1 2E-08	--	1.2E-08	1,4-DICHLOROBENZENE	Liver	2.1E-05	1.2E-03	--	3 6E-03
			Volatiles					**Volatiles**					
			1,1,2-TRICHLOROETHANE	2 5E-10	2.0E-09	--	2.2E-09	1,1,2-TRICHLOROETHANE	Respiratory System	7.8E-05	6.0E-04	--	1.2E-03
			1,1-DICHLOROETHENE	--	--	--	NA	1,1-DICHLOROETHENE	Liver	1.3E-05	1 0E-04	--	6 8E-04
			1,2-DICHLOROETHANE	1 6E-10	7 9E-10	--	9 5E-10	1,2-DICHLOROETHANE	Central Nervous System	4 2E-06	2.0E-05	--	1 1E-04
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	4 1E-04	2 1E-04	--	2 4E-05
			BENZENE	2.5E-10	4 7E-09	--	5.0E-09	BENZENE	Central Nervous System	1.0E-04	2 0E-03	--	6.2E-04
			CHLOROFORM	1 4E-11	1.1E-10	--	1.2E-10	CHLOROFORM	Liver, Kidneys, Central Nervous System	1.6E-05	1 3E-04	--	2 1E-03
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	3.4E-03	3.1E-02	--	1 4E-04
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	1.7E-03	1.7E-03	--	3 5E-02
			TRICHLOROETHENE	3.1E-07	4 5E-06	--	4.8E-06	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	3.3E-01	4 8E+00	--	3.4E-03
			VINYL CHLORIDE	1 3E-08	8 9E-08	--	1.0E-07	VINYL CHLORIDE	Liver	2.1E-04	1.4E-03	--	5.1E+00
			(Total)	3.3E-07	4 6E-06	---	5 0E-06		(Total)	4.2E-01	6 8E+00	---	1 6E-03
			Total Risk Across Groundwater				**5.0E-06**		**Total Hazard Index Across Groundwater**				**7.2E+00**
			Total Risk Across All Media and All Exposure Routes				**7.2E-06**		**Total Hazard Index Across All Media and All Exposure Routes**				**7.3E+00**

TABLE 9.10
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Commercial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	9.9E-07	4.5E-07	1.0E-10	1.4E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	7.0E-07	3.2E-07	7.1E-10	1.0E-06	ARSENIC	Skin	4.4E-03	2.0E-03	--	6.3E-03
			PAHs					**PAHs**					
			BENZ(A)ANTHRACENE	7.2E-08	1.4E-07	3.1E-12	2.1E-07	BENZ(A)ANTHRACENE	NA	--	--	--	NA
			BENZO[A]PYRENE	6.0E-07	1.2E-06	2.6E-11	1.8E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			BENZO(B)FLUORANTHENE	8.6E-08	1.7E-07	3.7E-12	2.6E-07	BENZO(B)FLUORANTHENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	4.9E-07	9.6E-07	--	1.4E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total)	2.9E-06	3.2E-06	8.4E-10	6.2E-06		(Total)	4.4E-03	2.0E-03	---	6.3E-03
			Total Risk Across Surface Soil				**6.2E-06**		**Total Hazard Index Across Surface Soil**				**6.3E-03**
			Total Risk Across All Media and All Exposure Routes				**6.2E-06**		**Total Hazard Index Across All Media and All Exposure Routes**				**6.3E-03**

TABLE 10.1
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location. Site 16
Scenario Timeframe Future
Receptor Population Resident
Receptor Age Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil Child	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1 3E-05	1.5E-06	1 2E-09	1.5E-05	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	6 1E-06	6 6E-07	5.4E-09	6 7E-06	ARSENIC	Skin	1.6E-01	1 7E-02	--	1.7E-01
			PAHs					**PAHs**					
			BENZO[A]PYRENE	1.4E-06	6.7E-07	5 4E-11	2.1E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	1 1E-06	5 0E-07	--	1.6E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total for Child)	2 2E-05	3 3E-06	6 7E-09	2.5E-05		(Total for Child)	1.6E-01	1.7E-02	---	1.7E-01
	Total Soil Adult	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	5 8E-06	9 7E-07	6.6E-10	6.7E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					NA
			ARSENIC	2.6E-06	4 4E-07	3.0E-09	3.0E-06	ARSENIC	Skin	--	--	--	NA
			PAHs					**PAHs**					
			BENZO[A]PYRENE	6 1E-07	4.5E-07	3.0E-11	1 1E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	4 6E-07	3 3E-07	--	7 9E-07	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total for Adult)	9 4E-06	2 2E-06	3.7E-09	1 2E-05		(Total for Adult)	---	---	---	---
	Total Soil Adult + Child	Site 16	**Dioxin/Furans**										
			TCDD-TEQ	1 9E-05	2 4E-06	1 8E-09	2.2E-05						
			Inorganics										
			ARSENIC	8 7E-06	1 1E-06	8 4E-09	9 8E-06						
			PAHs										
			BENZO[A]PYRENE	2 0E-06	1.1E-06	8.3E-11	3.2E-06						
			DIBENZ[A, H]ANTHRACENE	1 5E-06	8 3E-07	NA	2 4E-06						
			(Total for Child + Adult)	3 1E-05	5 5E-06	1.0E-08	3 7E-05		**Total Hazard Index Across Total Soil (Child)**				**1.7E-01**
				Total Risk Across Total Soil			**3.7E-05**		**Total Hazard Index Across Total Soil (Adult)**				**---**
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
	Child		BARIUM	--	--	--	NA	BARIUM	Kidneys	1 3E+00	1 3E-01	--	1.4E+00
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	2.5E+01	4.4E+00	--	3.0E+01
			Semivolatiles			--		**Semivolatiles**				--	
			BIS(2-ETHYLHEXYL)PHTHALATE	1 3E-06	2 1E-07	--	1.5E-06	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	--	--	--	NA
			1,4-DICHLOROBENZENE	3 9E-07	1.7E-07	--	5.7E-07	1,4-DICHLOROBENZENE	Liver	--	--	--	NA
			Volatiles			--		**Volatiles**				--	
			ACETONE	--	--	--	NA	ACETONE	Liver, Kidney	1 2E-01	5 0E-04	--	1 3E-01
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	1.1E+00	7.4E-02	--	1.1E+00
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	5.3E-01	4.1E-03	--	5 3E-01
			TRICHLOROETHENE	5 7E-04	6 4E-05	--	6 3E-04	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	1 0E+02	1 1E+01	--	1 1E+02
			VINYL CHLORIDE	2 5E-05	1 3E-06	--	2 6E-05	VINYL CHLORIDE	Liver	--	--	--	NA
			(Total for Child)	6 0E-04	6 5E-05	---	6 6E-04		(Total for Child)	1 3E+02	1.6E+01	---	1.4E+02

TABLE 10 1
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe Future
Receptor Population Resident
Receptor Age Child and Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
			BARIUM	--	--	--	NA	BARIUM	Kidneys	4.2E-01	3.31E-02	--	NA
	Adult		MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8 3E+00	1 16E+00	--	4.5E-01
			Semivolatiles					**Semivolatiles**					9 5E+00
			BIS(2-ETHYLHEXYL)PHTHALATE	1.7E-06	2 2E-07	--	2 0E-06	BIS(2-ETHYLHEXYL)PHTHALATE	Liver	--	--	--	NA
			1,4-DICHLOROBENZENE	5 2E-07	1 8E-07	--	7.0E-07	1,4-DICHLOROBENZENE	Liver	--	--	--	NA
			Volatiles					**Volatiles**					
			1,1,2-TRICHLOROETHANE	6.2E-07	2 9E-08	6.2E-07	1.3E-06	1,1,2-TRICHLOROETHANE	Respiratory System	--	--	--	NA
			1,2-DICHLOROETHANE	3 9E-07	1 2E-08	4.5E-07	8 6E-07	1,2-DICHLOROETHANE	Central Nervous System	--	--	--	NA
			BENZENE	5.9E-07	7 0E-08	4.5E-07	1.1E-06	BENZENE	Central Nervous System	--	--	--	NA
			CHLOROFORM	3.3E-08	1 6E-09	5.3E-07	5 6E-07	CHLOROFORM	Liver, Kidneys, Central Nervous System	1 6E-03	7.82E-05	2 2E-02	2.4E-02
			CIS-1,2-DICHLOROETHENE	--	--	--	NA	CIS-1,2-DICHLOROETHENE	Liver	3 5E-01	1.93E-02	--	3 7E-01
			TOTAL 1,2-DICHLOROETHENE	--	--	--	NA	TOTAL 1,2-DICHLOROETHENE	Liver	1 7E-01	1.06E-03	--	1.7E-01
			TRICHLOROETHENE	7 5E-04	6 7E-05	4 9E-04	1 3E-03	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	3 3E+01	2 95E+00	--	3 6E+01
			VINYL CHLORIDE	3 2E-05	1 3E-06	8 7E-07	3 5E-05	VINYL CHLORIDE	Liver	--	--	--	NA
			(Total for Adult)	7.8E-04	6 9E-05	5.0E-04	1 4E-03		(Total for Adult)	4.2E+01	4 2E+00	2 2E-02	4 7E+01
	Groundwater	Site 16	**Inorganics**										
	Adult + Child		MANGANESE	NA	NA	NA	NA						
			Semivolatiles										
			BIS(2-ETHYLHEXYL)PHTHALATE	3 1E-06	4 4E-07	NA	3 5E-06						
			1,4-DICHLOROBENZENE	9 1E-07	3 5E-07	NA	1 3E-06						
			Volatiles										
			1,1,2-TRICHLOROETHANE	6.2E-07	2.9E-08	6 2E-07	1 3E-06						
			1,2-DICHLOROETHANE	3 9E-07	1 2E-08	4 5E-07	8 6E-07						
			BENZENE	5 9E-07	7 0E-08	4 5E-07	1.1E-06						
			CHLOROFORM	3.3E-08	1 6E-09	5 3E-07	5 6E-07						
			TRICHLOROETHENE	1.3E-03	1 3E-04	4.9E-04	1 9E-03						
			VINYL CHLORIDE	5 7E-05	2 6E-06	8 7E-07	6.1E-05						
			(Total for Child + Adult)	1 4E-03	1.3E-04	5.0E-04	2 0E-03		Total Hazard Index Across Groundwater (Child)				1 4E+02
			Total Risk Across Groundwater (Adult + Child)				2.0E-03		Total Hazard Index Across Groundwater (Adult)				4.7E+01
			Total Risk Across All Media and All Exposure Routes				2.0E-03		Total Hazard Index Across All Media and All Exposure Routes (Child)				1 5E+02
									Total Hazard Index Across All Media and All Exposure Routes (Adult)				4.7E+01

Target Organ Breakdown for Skin (Child)	1.7E-01
Target Organ Breakdown for Central Nervous System (Child)	1 4E+02
Target Organ Breakdown for Liver (Child)	1 1E+02
Target Organ Breakdown for Kidney (Child)	1.1E+02
Target Organ Breakdown for Skin (Adult)	NA
Target Organ Breakdown for Central Nervous System (Adult)	4.6E+01
Target Organ Breakdown for Liver (Adult)	3 7E+01
Target Organ Breakdown for Kidney (Adult)	3.7E+01

TABLE 10.2
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16

Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	7.3E-07	5.6E-07	3.7E-11	1.3E-06	TCDD-TEQ	NA	--	--	--	NA
			PAHs					**PAHs**					
			BENZO[A]PYRENE	4.4E-07	1.5E-06	9.4E-12	1.9E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	3.6E-07	1.2E-06	--	1.6E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total)	1.5E-06	3.2E-06	4.6E-11	4.8E-06	(Total)	---	---	---	---	---
			Total Risk Across Surface Soil				**4.8E-06**	**Total Hazard Index Across Surface Soil**					---
			Total Risk Across Seep Water				---	**Total Hazard Index Across Seep Water**					---
			Total Risk Across All Media and All Exposure Routes				**4.8E-06**	**Total Hazard Index Across All Media and All Exposure Routes**					---

TABLE 10.3
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
RISK ASSESSMENT SUMMARY
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1.7E-06	3.0E-07	5.4E-11	2.0E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	1.2E-06	2.1E-07	3.8E-10	1.4E-06	ARSENIC	Skin	--	--	--	NA
			PAHs					**PAHs**					
			BENZO[A]PYRENE	1.0E-06	7.7E-07	1.4E-11	1.8E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	8.4E-07	6.3E-07	--	1.5E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total)	4.8E-06	1.9E-06	4.5E-10	6.7E-06	(Total)		---	---	---	---
				Total Risk Across Surface Soil			**6.7E-06**		**Total Hazard Index Across Surface Soil**				---
				Total Risk Across Seep Water			---		**Total Hazard Index Across Seep Water**				---
			Total Risk Across All Media and All Exposure Routes				**6.7E-06**		**Total Hazard Index Across All Media and All Exposure Routes**				---

TABLE 10.4
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16
Scenario Timeframe: Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Total Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	1.2E-06	8.8E-08	3.9E-11	1.3E-06	TCDD-TEQ	NA	--	--	--	NA
			(Total)	1.2E-06	8.8E-08	3.9E-11	1.3E-06		(Total)	---	---	---	---
			Total Risk Across Total Soil				**1.3E-06**		**Total Hazard Index Across Total Soil**				**---**
Groundwater	Groundwater	Site 16	**Inorganics**					**Inorganics**					
			MANGANESE	--	--	--	NA	MANGANESE	Central Nervous System	8.3E-02	1.9E+00	--	2.0E+00
			Volatiles					**Volatiles**					
			TRICHLOROETHENE	3.1E-07	4.5E-06	--	4.8E-06	TRICHLOROETHENE	Central Nervous System, Liver, Kidney	3.3E-01	4.8E+00	--	5.1E+00
			(Total)	3.1E-07	4.5E-06	---	4.8E-06		(Total)	4.1E-01	6.7E+00	---	7.1E+00
			Total Risk Across Groundwater				**4.8E-06**		**Total Hazard Index Across Groundwater**				**7.1E+00**
			Total Risk Across All Media and All Exposure Routes				**6.2E-06**		**Total Hazard Index Across All Media and All Exposure Routes**				**7.1E+00**

Target Organ Breakdown for Central Nervous System	**7.1E+00**
Target Organ Breakdown for Liver	**5.1E+00**
Target Organ Breakdown for Kidney	**5.1E+00**

TABLE 10.5
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
DAVISVILLE SITE 16

Location: Site 16

Scenario Timeframe: Future
Receptor Population: Commercial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical	Carcinogenic Risk				Chemical	Non-Carcinogenic Hazard Quotient				
				Ingestion	Dermal	Inhalation	Exposure Routes Total		Primary Target Organ	Ingestion	Dermal	Inhalation	Exposure Routes Total
Soil	Surface Soil	Site 16	**Dioxin/Furans**					**Dioxin/Furans**					
			TCDD-TEQ	9.9E-07	4.5E-07	1.0E-10	1.4E-06	TCDD-TEQ	NA	--	--	--	NA
			Inorganics					**Inorganics**					
			ARSENIC	7.0E-07	3.2E-07	7.1E-10	1.0E-06	ARSENIC	Skin	--	--	--	NA
			PAHs					**PAHs**					
			BENZO[A]PYRENE	6.0E-07	1.2E-06	2.6E-11	1.8E-06	BENZO[A]PYRENE	NA	--	--	--	NA
			DIBENZ[A, H]ANTHRACENE	4.9E-07	9.6E-07	--	1.4E-06	DIBENZ[A, H]ANTHRACENE	NA	--	--	--	NA
			(Total)	2.8E-06	2.9E-06	8.4E-10	5.7E-06	(Total)	---	---	---	---	---
			Total Risk Across Surface Soil				**5.7E-06**	**Total Hazard Index Across Surface Soil**					---
			Total Risk Across All Media and All Exposure Routes				**5.7E-06**	**Total Hazard Index Across All Media and All Exposure Routes**					---

ATTACHMENT A
DATA USED IN HHRA

DAVISVILLE SITE 16
HUMAN HEALTH RISK ASSESSMENT

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SP	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7429-90-5	ALUMINUM	2630		14	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-36-0	ANTIMONY	1.2	U	2.4	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-38-2	ARSENIC	1.9	J	1.8	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-39-3	BARIUM	370		7.4	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-39-3	BARIUM	295.5		5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-39-3	BARIUM	2.3		5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-41-7	BERYLLIUM	0.21	J	0.2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-43-9	CADMIUM	0.1	U	0.2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-70-2	CALCIUM METAL	47250		50	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-70-2	CALCIUM METAL	26700		50	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-70-2	CALCIUM METAL	10.65	U	21.3	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-47-3	CHROMIUM	1.65	U	3.3	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-48-4	COBALT	3.15	U	6.3	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-48-4	COBALT	10.2		30	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-50-8	COPPER	10.7	_ / U	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-50-8	COPPER	2.05	U	4.1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7439-89-6	IRON	29600		100	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7439-89-6	IRON	6480		100	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7439-89-6	IRON	65	U	130	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7439-92-1	LEAD	29.3		1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7439-92-1	LEAD	7.45	_ / U	5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7439-95-4	MAGNESIUM	4830		50	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7439-95-4	MAGNESIUM	27000		50	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7439-95-4	MAGNESIUM	8900		32.9	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7439-96-5	MANGANESE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7439-96-5	MANGANESE	2170		5	UG/L	SEEP16-02	3/26/2001

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SP	INORGANIC	7439-96-5	MANGANESE	445.5		5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1		0.2	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.05	U	0.1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-02-0	NICKEL	4.8	U	9.6	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-02-0	NICKEL	1.1	J	40	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	9/7/7440	POTASSIUM	10800		1000	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	9/7/7440	POTASSIUM	3600		1000	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	9/7/7440	POTASSIUM	42.1	U	84.2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7782-49-2	SELENIUM	1.1	U	2 2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-22-4	SILVER	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-23-5	SODIUM	182000		1000	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-23-5	SODIUM	51900		28.1	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-23-5	SODIUM	13450		1000	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-28-0	THALLIUM	0.6	UJ	1.2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-62-2	VANADIUM	8.1	J	3.2	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-62-2	VANADIUM	7.85	U / _	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC	7440-66-6	ZINC	18.05	_ / U	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC	7440-66-6	ZINC	3.4	U	6.8	UG/L	28-SP-01	10/15/1998
SP	INORGANIC	7440-66-6	ZINC	43.8		25	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7429-90-5-D	ALUMINUM-DISSOLVED	150	U	300	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7429-90-5-D	ALUMINUM-DISSOLVED	150	U	300	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-36-0-D	ANTIMONY-DISSOLVED	4	U	8	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-36-0-D	ANTIMONY-DISSOLVED	4	U	8	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-38-2-D	ARSENIC-DISSOLVED	4	U	8	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-38-2-D	ARSENIC-DISSOLVED	4	U	8	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-39-3-D	BARIUM-DISSOLVED	271.5		5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-39-3-D	BARIUM-DISSOLVED	1.8		5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-41-7-D	BERYLLIUM-DISSOLVED	2.5	U	5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-41-7-D	BERYLLIUM-DISSOLVED	2.5	U	5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-43-9-D	CADMIUM-DISSOLVED	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-43-9-D	CADMIUM-DISSOLVED	5	U	10	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-70-2-D	CALCIUM-DISSOLVED	47950		50	UG/L	SEEP16-01	3/21/2001

ATTA[illegible]MENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SP	INORGANIC-DISSOLVED	7440-70-2-D	CALCIUM-DISSOLVED	25700		50	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-47-3-D	CHROMIUM-DISSOLVED	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-47-3-D	CHROMIUM-DISSOLVED	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-48-4-D	COBALT-DISSOLVED	15	U	30	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-48-4-D	COBALT-DISSOLVED	9		30	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-50-8-D	COPPER-DISSOLVED	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-50-8-D	COPPER-DISSOLVED	12.5	U	25	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7439-89-6-D	IRON-DISSOLVED	5100		100	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7439-89-6-D	IRON-DISSOLVED	20700		100	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7439-92-1-D	LEAD-DISSOLVED	2.5	U	5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7439-92-1-D	LEAD-DISSOLVED	2.5	U	5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7439-95-4-D	MAGNESIUM-DISSOLVED	26200		50	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7439-95-4-D	MAGNESIUM-DISSOLVED	4820		50	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7439-96-5-D	MANGANESE-DISSOLVED	2040		5	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7439-96-5-D	MANGANESE-DISSOLVED	445		5	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7439-97-6-D	MERCURY-DISSOLVED	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7439-97-6-D	MERCURY-DISSOLVED	0.07		0.2	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-02-0-D	NICKEL-DISSOLVED	20	U	40	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-02-0-D	NICKEL-DISSOLVED	2.1		40	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-09-7-D	POTASSIUM-DISSOLVED	10500		1000	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-09-7-D	POTASSIUM-DISSOLVED	3575		1000	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7782-49-2-D	SELENIUM-DISSOLVED	5	U	10	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7782-49-2-D	SELENIUM-DISSOLVED	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-22-4-D	SILVER-DISSOLVED	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-22-4-D	SILVER-DISSOLVED	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-23-5-D	SODIUM-DISSOLVED	176000		1000	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-23-5-D	SODIUM-DISSOLVED	13300		1000	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-28-0-D	THALLIUM-DISSOLVED	7.5	U	15	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-28-0-D	THALLIUM-DISSOLVED	7.5	U	15	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-62-2-D	VANADIUM-DISSOLVED	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-62-2-D	VANADIUM-DISSOLVED	12.5	U	25	UG/L	SEEP16-02	3/26/2001
SP	INORGANIC-DISSOLVED	7440-66-6-D	ZINC-DISSOLVED	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	INORGANIC-DISSOLVED	7440-66-6-D	ZINC-DISSOLVED	12.5	U	25	UG/L	SEEP16-02	3/26/2001
SP	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.95		0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	83-32-9	ACENAPHTHENE	35.5		0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	83-32-9	ACENAPHTHENE	17		1	UG/L	28-SP-01	10/15/1998
SP	PAHS	208-96-8	ACENAPHTHYLENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	208-96-8	ACENAPHTHYLENE	0.2	J / _	0.2	UG/L	SEEP16-01	3/21/2001

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SP	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	120-12-7	ANTHRACENE	1 5	J	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	120-12-7	ANTHRACENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	50-32-8	BENZO[A]PYRENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	50-32-8	BENZO[A]PYRENE	0 1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 1	UJ / U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	218-01-9	CHRYSENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	UJ / U	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0 1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	206-44-0	FLUORANTHENE	4		1	UG/L	28-SP-01	10/15/1998
SP	PAHS	206-44-0	FLUORANTHENE	2.5	J	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	86-73-7	FLUORENE	14.5		0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	86-73-7	FLUORENE	12		1	UG/L	28-SP-01	10/15/1998
SP	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U / UJ	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	91-20-3	NAPHTHALENE	4	J / _	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	91-20-3	NAPHTHALENE	0 1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	91-20-3	NAPHTHALENE	3		2	UG/L	28-SP-01	10/15/1998
SP	PAHS	85-01-8	PHENANTHRENE	7		1	UG/L	28-SP-01	10/15/1998
SP	PAHS	85-01-8	PHENANTHRENE	7	J / _	0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PAHS	129-00-0	PYRENE	2		1	UG/L	28-SP-01	10/15/1998

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SP	PAHS	129-00-0	PYRENE	I		0.2	UG/L	SEEP16-01	3/21/2001
SP	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	SEEP16-02	3/26/2001
SP	PCBS	12674-11-2	AROCLOR-1016	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	12674-11-2	AROCLOR-1016	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	11104-28-2	AROCLOR-1221	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	11104-28-2	AROCLOR-1221	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	11141-16-5	AROCLOR-1232	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	11141-16-5	AROCLOR-1232	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	53469-21-9	AROCLOR-1242	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	53469-21-9	AROCLOR-1242	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	12672-29-6	AROCLOR-1248	0.05	U	0 1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	12672-29-6	AROCLOR-1248	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	11097-69-1	AROCLOR-1254	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	11097-69-1	AROCLOR-1254	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PCBS	11096-82-5	AROCLOR-1260	0.05	U	0 1	UG/L	SEEP16-01	3/21/2001
SP	PCBS	11096-82-5	AROCLOR-1260	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	309-00-2	ALDRIN	0 025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	309-00-2	ALDRIN	0.004	U	0.008	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0015	U	0.003	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	319-84-6	ALPHA-HCH	0.0325	J / _	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	319-84-6	ALPHA-HCH	0.0005	U	0.001	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0 002	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	72-54-8	DDD	0.001	U	0.002	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	72-55-9	DDE	0.05	U	0 1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	72-55-9	DDE	0.002	U	0 004	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	50-29-3	DDT	0.0015	U	0.003	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0 05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	319-86-8	DELTA-BHC	0.003	U	0.006	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001

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SP	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	60-57-1	DIELDRIN	0.02		0.003	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	959-98-8	ENDOSULFAN I	0.0005	U	0.001	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	33213-65-9	ENDOSULFAN II	0.002	U	0.004	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	33213-65-9	ENDOSULFAN II	0 05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.002	U	0.004	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	72-20-8	ENDRIN	0 05	U	0 1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	72-20-8	ENDRIN	0 0039	J	0.003	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.003	U	0.006	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0025	U	0 005	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0 025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0015	U	0.003	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0 0005	U	0.001	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	76-44-8	HEPTACHLOR	0 025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	76-44-8	HEPTACHLOR	0.003	U	0.006	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.02	J	0.001	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	72-43-5	METHOXYCHLOR	0.004495	U	0.00899	UG/L	28-SP-01	10/15/1998
SP	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	PESTICIDES	8001-35-2	TOXAPHENE	0.25	U	0.5	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001

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SP	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	2	U	4	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	2.5	U	5	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	99-09-2	3-NITROANILINE	3.5	U	7	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	3	U	6	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.5	U	1	UG/L	28-SP-01	10/15/1998

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SP	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0 5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	86-74-8	CARBAZOLE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	132-64-9	DIBENZOFURAN	11.5		10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	132-64-9	DIBENZOFURAN	8		1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	1	U	2	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	78-59-1	ISOPHORONE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	1 5	U	3	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	1	U	2	UG/L	28-SP-01	10/15/1998

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SP	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	98-95-3	NITROBENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	100-01-6	P-NITROANILINE	2.5	U	5	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0 5	U	1	UG/L	28-SP-01	10/15/1998
SP	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	SEEP16-01	3/21/2001
SP	SEMIVOLATILES	108-95-2	PHENOL	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0 5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	78-93-3	2-BUTANONE	2 5	U	5	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	2.5	U	5	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	67-64-1	ACETONE	2.5	U	5	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	SEEP16-01	3/21/2001

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SP	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	74-83-9	BROMOMETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U / UJ	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-00-3	CHLOROETHANE	1	U / UJ	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-00-3	CHLOROETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ / U	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	74-87-3	CHLOROMETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.7		2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	100-41-4	ETHYLBENZENE	0 5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SP	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.7		1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	79-01-6	TRICHLOROETHENE	0 7		1	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	SEEP16-02	3/26/2001
SP	VOLATILE	75-01-4	VINYL CHLORIDE	0.5	U	1	UG/L	28-SP-01	10/15/1998
SP	VOLATILE	75-01-4	VINYL CHLORIDE	0.45	J / _	2	UG/L	SEEP16-01	3/21/2001
SP	VOLATILE	1330-20-7	XYLENES (TOTAL)	0 5	U	1	UG/L	28-SP-01	10/15/1998
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.000003835			MG/KG	SB16-21-0-2	6/26/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00000424			MG/KG	SB16-27-0-2	6/26/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000026			MG/KG	SB16-24-0-2	6/26/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00004521			MG/KG	SB16-25-0-2	6/26/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00001244			MG/KG	SB16-23-0-2	6/26/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000034			MG/KG	SB16-26-0-2	6/23/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00001414			MG/KG	SB16-28-0-2	6/27/2000
SS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000048			MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7429-90-5	ALUMINUM	3340		1.48	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7429-90-5	ALUMINUM	2570		1.51	MG/KG	SB16-22-0-2	6/27/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	INORGANIC	7429-90-5	ALUMINUM	3670		1.54	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7429-90-5	ALUMINUM	3685		1.545	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7429-90-5	ALUMINUM	4430		1.73	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7429-90-5	ALUMINUM	5360		1.61	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7429-90-5	ALUMINUM	5560		1.61	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7429-90-5	ALUMINUM	8590		2	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7429-90-5	ALUMINUM	4300		2.9	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-36-0	ANTIMONY	0.115	UN	0.23	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0.105	UN	0.21	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0.105	UJ	0.21	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0.1075	UN / UJ	0.215	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0 245	UJ	0.49	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-36-0	ANTIMONY	0.11	UJ	0.22	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0 12	UJ	0.24	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0.14	UN	0.28	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-36-0	ANTIMONY	0.11	UJ	0.22	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-38-2	ARSENIC	2		0 185	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-38-2	ARSENIC	1.8		0.19	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-38-2	ARSENIC	0.09	U	0.18	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-38-2	ARSENIC	1.3		0.18	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-38-2	ARSENIC	4		0.24	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-38-2	ARSENIC	2 2		0.37	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-38-2	ARSENIC	0.105	U	0.21	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-38-2	ARSENIC	3.3		0.19	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-38-2	ARSENIC	2	J	0.19	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-39-3	BARIUM	14.8		0.05	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-39-3	BARIUM	14.8		0.04	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-39-3	BARIUM	14.9		0.05	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-39-3	BARIUM	19.4	J	1.5	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-39-3	BARIUM	26.1		0.04	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-39-3	BARIUM	29.9		0.05	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-39-3	BARIUM	38.9		0.06	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-39-3	BARIUM	40.6		0.05	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-39-3	BARIUM	22.2		0.045	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.52		0.05	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.33		0.05	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.38	J	0.04	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-41-7	BERYLLIUM	0.4		0.05	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.64		0.07	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.51		0.05	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.53		0.06	MG/KG	SB16-24-0-2	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	INORGANIC	7440-41-7	BERYLLIUM	0.53		0.05	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-41-7	BERYLLIUM	0.46		0 055	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.125	U	0 25	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.12	U	0.24	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.12	U	0.24	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.02	U	0.04	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-43-9	CADMIUM	0 16	U	0.32	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.35	J	0.25	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-43-9	CADMIUM	0 56		0.27	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.1225	U	0.245	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-43-9	CADMIUM	0.125	UJ	0 25	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	282		1.56	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	0 28	U	0.56	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	321	J	1.79	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	361	J	1 6	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	469	J	1.54	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	495		2.07	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	764.5	_ / J	1.6	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	1200		1.66	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-70-2	CALCIUM METAL	419	J	4.4	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-47-3	CHROMIUM	6	J	0.07	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-47-3	CHROMIUM	2 9		0.07	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-47-3	CHROMIUM	3.95	J / _	0.23	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-47-3	CHROMIUM	4 7	J	0.08	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-47-3	CHROMIUM	11.6		0.09	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-47-3	CHROMIUM	5.9	J	0.07	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-47-3	CHROMIUM	7		0.07	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-47-3	CHROMIUM	7.4		0.07	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-47-3	CHROMIUM	5.5		0.68	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-48-4	COBALT	3.9		0.28	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-48-4	COBALT	3.5		0 31	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-48-4	COBALT	2		0.27	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-48-4	COBALT	3.4		0.27	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-48-4	COBALT	7.8		0.36	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-48-4	COBALT	4.7		0.29	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-48-4	COBALT	3.2	_ / J	0.28	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-48-4	COBALT	4.7	J	0.29	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-48-4	COBALT	4.2	J	1.3	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-50-8	COPPER	8.2	J	0.18	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-50-8	COPPER	8.2	_ / J	0.18	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-50-8	COPPER	14.6		0.2	MG/KG	SB16-24-0-2	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	INORGANIC	7440-50-8	COPPER	16.9	J	0.19	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-50-8	COPPER	21 6		0.17	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-50-8	COPPER	24.3	J	0.23	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-50-8	COPPER	24.8		0.18	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-50-8	COPPER	40.2	J	0.19	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-50-8	COPPER	18.5		0.84	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-89-6	IRON	9880		0.33	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7439-89-6	IRON	5930		0.32	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7439-89-6	IRON	8080		0.31	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7439-89-6	IRON	8120		0.37	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7439-89-6	IRON	21200		0.42	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7439-89-6	IRON	9740		2.7	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-89-6	IRON	11700		0.34	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7439-89-6	IRON	14000		0.34	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7439-89-6	IRON	9055		0.325	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7439-92-1	LEAD	58.6		0.2	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-92-1	LEAD	13.45		0.14	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7439-92-1	LEAD	18.8		0.14	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7439-92-1	LEAD	22		0.14	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7439-92-1	LEAD	29.1		0.14	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7439-92-1	LEAD	59.3		0.14	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7439-92-1	LEAD	69 3		0.18	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7439-92-1	LEAD	98.4		0.16	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7439-92-1	LEAD	36		0.13	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	872	J	1.36	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	540		1.19	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	995.5	J / _	1.22	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	1200	J	1.17	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	1200	J	1.22	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	1470		1.27	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	1830	J	1.27	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	2140		1.57	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7439-95-4	MAGNESIUM	1200		6.7	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-96-5	MANGANESE	157	J	0.125	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7439-96-5	MANGANESE	84.4	J	0.12	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7439-96-5	MANGANESE	102	J	0.13	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7439-96-5	MANGANESE	105	J	0.12	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7439-96-5	MANGANESE	248	J	0.16	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7439-96-5	MANGANESE	149	J	0.13	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7439-96-5	MANGANESE	167	J	0.2	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-96-5	MANGANESE	171		0.13	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	INORGANIC	7439-96-5	MANGANESE	121	J	0.14	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 005	U	0.01	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.025	U	0 05	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.11		0.01	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	0.56	U	1.12	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	0.535	U	1.07	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	0.625	U	1 25	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	2.1475	_ / U	1.115	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	7.2		1.16	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-02-0	NICKEL	7.3	J	2	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-02-0	NICKEL	9		1 16	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-02-0	NICKEL	11		1.44	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-02-0	NICKEL	2.6		1.09	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	9/7/7440	POTASSIUM	564		33.01	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	9/7/7440	POTASSIUM	16.505	U	33.01	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	9/7/7440	POTASSIUM	381		30 99	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	9/7/7440	POTASSIUM	432		31.76	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	9/7/7440	POTASSIUM	685	J	31.765	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	9/7/7440	POTASSIUM	542		30.46	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	9/7/7440	POTASSIUM	599	J	17.2	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	9/7/7440	POTASSIUM	634		41.03	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	9/7/7440	POTASSIUM	531		35.57	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.145	U	0.29	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.135	U	0.27	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.14	U	0.28	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.135	U	0.27	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.155	U	0.31	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.225	U	0.45	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7782-49-2	SELENIUM	0.88		0.36	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.14	U	0.28	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7782-49-2	SELENIUM	0.145	U	0.29	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-22-4	SILVER	0.135	UJ	0.27	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-22-4	SILVER	0.125	U	0.25	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-22-4	SILVER	0.125	U	0.25	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-22-4	SILVER	0.135	U	0.27	MG/KG	SB16-23-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	INORGANIC	7440-22-4	SILVER	0.1	U	0.2	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-22-4	SILVER	0.145	U	0.29	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-22-4	SILVER	0.165	U	0.33	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-22-4	SILVER	0.32	J	0.26	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-22-4	SILVER	0.13	U	0.26	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	0.755	U	1.51	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	0.675	U	1.35	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	0.645	U	1.29	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	0 7	U	1.4	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-23-5	SODIUM	17.36	U / _	1.35	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	27.5		1.32	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-23-5	SODIUM	43.1		1.74	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-23-5	SODIUM	82		1.4	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-23-5	SODIUM	75 8	J	5.8	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.125	U	0.25	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-28-0	THALLIUM	0.15	U	0.3	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.2	U	0.4	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.175	U	0.35	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-28-0	THALLIUM	0 16	U	0.32	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.65	J	0.3	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-62-2	VANADIUM	8.6		0.38	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-62-2	VANADIUM	4.7		0.37	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-62-2	VANADIUM	6.9		0.375	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-62-2	VANADIUM	7.4		0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-62-2	VANADIUM	8		0.42	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-62-2	VANADIUM	10 6		0.39	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-62-2	VANADIUM	11.8		0.39	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-62-2	VANADIUM	16.1		0.49	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-62-2	VANADIUM	7.5	J	0.66	MG/KG	28-SB-21-0-2	10/13/1998
SS	INORGANIC	7440-66-6	ZINC	35.9		0.14	MG/KG	SB16-27-0-2	6/26/2000
SS	INORGANIC	7440-66-6	ZINC	40.8	J	0.15	MG/KG	SB16-23-0-2	6/26/2000
SS	INORGANIC	7440-66-6	ZINC	29.8		0.16	MG/KG	SB16-24-0-2	6/26/2000
SS	INORGANIC	7440-66-6	ZINC	33.1	J	0.14	MG/KG	SB16-22-0-2	6/27/2000
SS	INORGANIC	7440-66-6	ZINC	62.6	J	0.15	MG/KG	SB16-26-0-2	6/23/2000
SS	INORGANIC	7440-66-6	ZINC	70.4		0.15	MG/KG	SB16-25-0-2	6/26/2000
SS	INORGANIC	7440-66-6	ZINC	85.3	J	0.19	MG/KG	SB16-28-0-2	6/27/2000
SS	INORGANIC	7440-66-6	ZINC	40.1	_ / J	0.15	MG/KG	SB16-21-0-2	6/26/2000
SS	INORGANIC	7440-66-6	ZINC	39.6		1.4	MG/KG	28-SB-21-0-2	10/13/1998

ATTA MENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.03		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.028	U	0.056	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.558	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0 0285	U	0.057	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.062	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	28-SB-01C	4/26/1996
SS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.014		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	83-32-9	ACENAPHTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.8	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	83-32-9	ACENAPHTHENE	0.42			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	83-32-9	ACENAPHTHENE	2.4	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	83-32-9	ACENAPHTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	83-32-9	ACENAPHTHENE	0.77	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.037	U	0 074	MG/KG	28-SB-01C	4/26/1996
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.054	J		MG/KG	28-SB-01A	4/24/1996
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.032		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.027	U	0.054	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0 012		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.8	UJ	1.6	MG/KG	28-SB-01B	4/24/1996
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.77	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.75	UJ	1.5	MG/KG	28-SB-01D	4/26/1996
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	208-96-8	ACENAPHTHYLENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	120-12-7	ANTHRACENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	120-12-7	ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.1045	U / J	0.34	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.087	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	120-12-7	ANTHRACENE	0.037		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	120-12-7	ANTHRACENE	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	120-12-7	ANTHRACENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	120-12-7	ANTHRACENE	0.015			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	120-12-7	ANTHRACENE	0.005	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	120-12-7	ANTHRACENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	120-12-7	ANTHRACENE	0.006		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	120-12-7	ANTHRACENE	0.012		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	120-12-7	ANTHRACENE	1.015	_ / U	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	120-12-7	ANTHRACENE	4.6	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.87		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	120-12-7	ANTHRACENE	0.3	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	120-12-7	ANTHRACENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	120-12-7	ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	120-12-7	ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.053		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.004			MG/KG	28-SB-01C	4/26/1996
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.14	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.075	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.07		0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.06		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.025		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.057			MG/KG	28-SB-01A	4/24/1996

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.043		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.059	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.265	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	1.1	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.35			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	4.45		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0 25		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1875	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.59	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.07		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.145	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.14	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.073		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0 071		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0 07		0.047	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.067			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.058	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.051		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.04	J		MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.032		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.004	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0 02		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.33	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	2.35		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.35			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.2425	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.215	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0 35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	50-32-8	BENZO[A]PYRENE	1.4	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.14		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.097		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.13		0.074	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.12		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.0945	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.062		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.056	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.055	J		MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.05	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.04	J	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 35	J / _		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.008			MG/KG	28-SB-01C	4/26/1996
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	1.8	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.68	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.53			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.5		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.3125	_ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	7.4		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.013		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1265	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.087			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 068		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.05	J	0.022	MG/KG	SB16-27-0-2	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.05		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.048	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.003	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.028		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.135	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.047		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.28	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.7	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 25	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.2325	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0 35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	1.05		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.15	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.12	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1125	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.041		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 039			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.036		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.035	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.033	U	0.066	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.014		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.003			MG/KG	28-SB-01C	4/26/1996
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1625	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.018		0 022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 3	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.82	J		MG/KG	28-SB-01D	4/26/1996

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 18	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0 35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	1 8		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	218-01-9	CHRYSENE	0.038		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	218-01-9	CHRYSENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	218-01-9	CHRYSENE	0.145	J / U	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	218-01-9	CHRYSENE	0.096		0.073	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	218-01-9	CHRYSENE	0.086		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	218-01-9	CHRYSENE	0.083		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	218-01-9	CHRYSENE	0.073			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	218-01-9	CHRYSENE	0.069		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	218-01-9	CHRYSENE	0.034		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	218-01-9	CHRYSENE	0.041	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	218-01-9	CHRYSENE	0 036	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0 026		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	218-01-9	CHRYSENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0 066	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	218-01-9	CHRYSENE	1		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	218-01-9	CHRYSENE	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	218-01-9	CHRYSENE	4.75		1 11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	218-01-9	CHRYSENE	1.4	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	218-01-9	CHRYSENE	0.015	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	218-01-9	CHRYSENE	0.34	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	218-01-9	CHRYSENE	0.285	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0 22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	218-01-9	CHRYSENE	0.2125	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	218-01-9	CHRYSENE	1.5	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.024		0.042	MG/KG	SB16-23-0-2	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.084	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.05		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.0475	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.0385	U	0.077	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.026		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.022	UJ	0.044	MG/KG	28-SB-01B	4/24/1996
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.015	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.009			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0 088	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.001	U	0.002	MG/KG	28-SB-01C	4/26/1996
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1345	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.75	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.18	U	0 36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0 17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.05	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.16		0.063	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	206-44-0	FLUORANTHENE	0.12		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.12		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	206-44-0	FLUORANTHENE	0 1005	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.082	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.073			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	206-44-0	FLUORANTHENE	0.069		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.017	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	206-44-0	FLUORANTHENE	0.053		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	206-44-0	FLUORANTHENE	0 04	J	0.02	MG/KG	SB16-22-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	206-44-0	FLUORANTHENE	0.055	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.58			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	2.5	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	206-44-0	FLUORANTHENE	1.4		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.825	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	4.305		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.2525	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.22		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	206-44-0	FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	206-44-0	FLUORANTHENE	0.93	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	86-73-7	FLUORENE	0.021	UJ	0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	86-73-7	FLUORENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.14	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	86-73-7	FLUORENE	0.062	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	86-73-7	FLUORENE	0.055	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	86-73-7	FLUORENE	0.032	U	0.064	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	86-73-7	FLUORENE	0.021	UJ	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	86-73-7	FLUORENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	86-73-7	FLUORENE	0.011	U	0 022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	86-73-7	FLUORENE	0.011	UJ	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	86-73-7	FLUORENE	0.01	UJ	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	86-73-7	FLUORENE	0.5925	_ / UJ	1 11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	86-73-7	FLUORENE	0.0035	U	0.007	MG/KG	28-SB-01C	4/26/1996
SS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	86-73-7	FLUORENE	0.005	J		MG/KG	28-SB-01A	4/24/1996
SS	PAHS	86-73-7	FLUORENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	86-73-7	FLUORENE	0.51	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	86-73-7	FLUORENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	86-73-7	FLUORENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	86-73-7	FLUORENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.083		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.145	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.15	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.086	J	0 022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.076		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.05	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.047			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.0445	U	0.089	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.042		0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.002	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.022		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.49	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	2.3		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.26	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.2125	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.19	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.125	U / J	0 36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.0475	U	0.095	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	91-20-3	NAPHTHALENE	0.03	J		MG/KG	28-SB-01A	4/24/1996
SS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0 042	MG/KG	28-SB-01C	4/26/1996

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	91-20-3	NAPHTHALENE	0.015		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.445	UJ	0.89	MG/KG	28-SB-01B	4/24/1996
SS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.557	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.435	UJ	0.87	MG/KG	28-SB-01D	4/26/1996
SS	PAHS	91-20-3	NAPHTHALENE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	91-20-3	NAPHTHALENE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0 35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.024		0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.1675	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.1215	J / U	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.077		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.074		0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	85-01-8	PHENANTHRENE	0.064		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.035		0 042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.006	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	85-01-8	PHENANTHRENE	0.028		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.02		0 022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.03			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	85-01-8	PHENANTHRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	85-01-8	PHENANTHRENE	0 9	J		MG/KG	28-SB-01B	4/24/1996
SS	PAHS	85-01-8	PHENANTHRENE	0.28	J		MG/KG	28-SB-01D	4/26/1996

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PAHS	85-01-8	PHENANTHRENE	0.905	_ / U	1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.2	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.92		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	85-01-8	PHENANTHRENE	0.5			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	129-00-0	PYRENE	0.14		0.079	MG/KG	28-SB-21-0-2	10/13/1998
SS	PAHS	129-00-0	PYRENE	0.068	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	PAHS	129-00-0	PYRENE	0.12	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	PAHS	129-00-0	PYRENE	0.09		0.022	MG/KG	SB16-27-0-2	6/26/2000
SS	PAHS	129-00-0	PYRENE	0.086	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	PAHS	129-00-0	PYRENE	0.07			MG/KG	28-SB-01A	4/24/1996
SS	PAHS	129-00-0	PYRENE	0.068		0.042	MG/KG	SB16-25-0-2	6/26/2000
SS	PAHS	129-00-0	PYRENE	0.059		0 022	MG/KG	SB16-24-0-2	6/26/2000
SS	PAHS	129-00-0	PYRENE	0.053		0.022	MG/KG	SB16-26-0-2	6/23/2000
SS	PAHS	129-00-0	PYRENE	0.044	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0.032	J	0.02	MG/KG	SB16-22-0-2	6/27/2000
SS	PAHS	129-00-0	PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0.013	J		MG/KG	28-SB-01C	4/26/1996
SS	PAHS	129-00-0	PYRENE	0.038	J		MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	PAHS	129-00-0	PYRENE	0.63	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	6.4		1.11	MG/KG	SB16-21-0-2	6/26/2000
SS	PAHS	129-00-0	PYRENE	2.2	J		MG/KG	28-SB-01D	4/26/1996
SS	PAHS	129-00-0	PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0.76		0.026	MG/KG	SB16-28-0-2	6/27/2000
SS	PAHS	129-00-0	PYRENE	0.17		0.042	MG/KG	SB16-23-0-2	6/26/2000
SS	PAHS	129-00-0	PYRENE	0.49			MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	PAHS	129-00-0	PYRENE	0.2475	J / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	PAHS	129-00-0	PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	PAHS	129-00-0	PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	PAHS	129-00-0	PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	PAHS	129-00-0	PYRENE	0.17	U	0 34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	PAHS	129-00-0	PYRENE	1.7	J		MG/KG	28-SB-01B	4/24/1996
SS	PCBS	12674-11-2	AROCLOR-1016	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	11104-28-2	AROCLOR-1221	0 0365	U	0.073	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0 009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	11141-16-5	AROCLOR-1232	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	53469-21-9	AROCLOR-1242	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	12672-29-6	AROCLOR-1248	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	11097-69-1	AROCLOR-1254	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	11097-69-1	AROCLOR-1254	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.018	U	0 036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0 018	MG/KG	SB16-24-0-2	6/26/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.014	U / _	0.018	MG/KG	SB16-21-0-2	6/26/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PCBS	11096-82-5	AROCLOR-1260	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	309-00-2	ALDRIN	0 0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	309-00-2	ALDRIN	0 0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	309-00-2	ALDRIN	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	319-84-6	ALPHA-HCH	0 00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0024	J	0.0021	MG/KG	SB16-28-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	72-54-8	DDD	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	72-54-8	DDD	0 0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	72-54-8	DDD	0.0018	U	0 0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	72-54-8	DDD	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	72-54-8	DDD	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	72-55-9	DDE	0.0017	U	0 0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	72-55-9	DDE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	72-55-9	DDE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	72-55-9	DDE	0.0021	U	0 0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	72-55-9	DDE	0.00175	U	0 0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	50-29-3	DDT	0.0017	UJ	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	50-29-3	DDT	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	50-29-3	DDT	0.0037		0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	50-29-3	DDT	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	50-29-3	DDT	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0 0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0 0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	60-57-1	DIELDRIN	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0 0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0 0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0 00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	33213-65-9	ENDOSULFAN II	0 0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	72-20-8	ENDRIN	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0029	J	0.0018	MG/KG	SB16-21-0-2	6/26/2000
SS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0 0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	76-44-8	HEPTACHLOR	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0 0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0 0018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0 018	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	UJ	0.018	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-26-0-2	6/23/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-25-0-2	6/26/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0 017	U	0.034	MG/KG	SB16-22-0-2	6/27/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-23-0-2	6/26/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.018	U	0.036	MG/KG	SB16-24-0-2	6/26/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.021	U	0.042	MG/KG	SB16-28-0-2	6/27/2000
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.095	U	0.19	MG/KG	28-SB-21-0-2	10/13/1998
SS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0 175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.0485	U	0.097	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0 17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0 1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0 18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.0475	U	0.095	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.022	U	0.044	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0 9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.425	U	0 85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0 165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.028	U	0.056	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0 18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0 18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.03	U	0.06	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.55	UJ	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.55	U	1 1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	UJ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0 17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.027	U	0.054	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.046	U	0.092	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0 34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0 34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.0285	U	0 057	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0 18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	UJ	0 82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0 84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0 42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0 415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0 415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.033	U	0.066	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.039	U	0.078	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0 165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0 36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.0335	U	0.067	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0 18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0 415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0 42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.0285	U	0.057	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0 44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0 41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.0325	U	0.065	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0 435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.0245	U	0.049	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0 215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.0225	U	0.045	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	UJ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0 36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0 36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 165	UJ	0.33	MG/KG	SB16-21-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.055	U	0.11	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.215	UJ	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.023	U	0.046	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.024	U	0.048	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0 18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0 0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U / UJ	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.032	U	0.064	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0 35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0 36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.049	U	0.098	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	UJ	0 33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0 34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0 34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	UJ	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.045	U	0 09	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.215	UJ	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.106	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.065	U	0.13	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J		MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.044	U	0 088	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0 36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.066	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.405	J	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0 36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.026	U	0.052	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0 36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.056	J		MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.049	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.0465	U	0 093	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.046	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.044	J		MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.043	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 04	J		MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.1725	UJ	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	UJ	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	UJ	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.03	U	0.06	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	UJ	0 33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0 18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.0445	U	0.089	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0 029	U	0.058	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000

ATTA MENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0 165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.06	U	0.12	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0 36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0 36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.0435	U	0.087	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0 215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997

ATT MENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.0325	U	0.065	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0 18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	U	0 33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0 35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.033	U	0 066	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.215	U	0 43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	UJ	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.1725	UJ	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 046	U	0.092	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0 36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0 415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.0205	U	0.041	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.55	UJ	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0 45	UJ	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-25-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.0395	U	0.079	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U / UJ	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
SS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0 175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
SS	SEMIVOLATILES	108-95-2	PHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0005	U	0 001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ / U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	UJ	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997.
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0 01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0 01	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0 005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0 005	UJ	0.01	MG/KG	SB16-25-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.011		0.01	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0.0055	U	0.011	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0.012		0.01	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	78-93-3	2-BUTANONE	0.01		0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ / U	0 01	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0 01	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0 01	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.0055	UJ	0.011	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0 01	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0 005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.0025	U	0.005	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.0055	U	0 011	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0 005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	67-64-1	ACETONE	0.015	J	0.01	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	67-64-1	ACETONE	0.0015	U	0.003	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	67-64-1	ACETONE	0.016	J	0 01	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	67-64-1	ACETONE	0.005	EB	0.01	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	67-64-1	ACETONE	0 063	J	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	67-64-1	ACETONE	3	J	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0.885	J	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	67-64-1	ACETONE	3.7	J	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0.039	J	0.01	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	67-64-1	ACETONE	0.033		0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	67-64-1	ACETONE	0.025		0.01	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	67-64-1	ACETONE	0.0245	_ / J	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	67-64-1	ACETONE	0 024	J	0.011	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	67-64-1	ACETONE	0.02		0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	67-64-1	ACETONE	0.019	J	0.01	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	67-64-1	ACETONE	1.3	J	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	71-43-2	BENZENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	71-43-2	BENZENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	71-43-2	BENZENE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	71-43-2	BENZENE	0 0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	71-43-2	BENZENE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	71-43-2	BENZENE	0 005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 005	U	0 01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 005	U	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-25-2	BROMOFORM	0 0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-25-2	BROMOFORM	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0 01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0015	U	0 003	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0 005	U	0 01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0 0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0 0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	108-90-7	CHLOROBENZENE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0 0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0005	U	0 001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0 005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0 005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0 001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	74-87-3	CHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0 005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0 005	U	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 0045	J / U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.004	J	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.004	J	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 0025	UJ	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	95-47-6	O-XYLENE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0 005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0 005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	100-42-5	STYRENE	0 005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	100-42-5	STYRENE	0 0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	100-42-5	STYRENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	100-42-5	STYRENE	0 005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0 01	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	108-88-3	TOLUENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.006	J	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0 005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0 01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	108-88-3	TOLUENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.003	U	0 006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0005	U	0 001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 0005	U	0 001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 0025	UJ / U	0.005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-25-0-2	6/26/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
SS	VOLATILE	75-01-4	VINYL CHLORIDE	0.0055	U	0 011	MG/KG	SB16-28-0-2	6/27/2000
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB08-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0 005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB05-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0 005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
SS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.000003265			MG/KG	SB16-27-2-4	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000029			MG/KG	SB16-25-7-9	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000026			MG/KG	SB16-24-0-2	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000026			MG/KG	SB16-24-7-9	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000024			MG/KG	SB16-22-6-8	6/27/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.000003835			MG/KG	SB16-21-0-2	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000034			MG/KG	SB16-26-0-2	6/23/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00000424			MG/KG	SB16-27-0-2	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00000429			MG/KG	SB16-26-2-4	6/23/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00049668			MG/KG	SB16-28-4-6	6/26/2000

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.0000048			MG/KG	SB16-22-0-2	6/27/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.000003			MG/KG	SB16-21-8-10	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0 00001244			MG/KG	SB16-23-0-2	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00001414			MG/KG	SB16-28-0-2	6/27/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00004521			MG/KG	SB16-25-0-2	6/26/2000
TS	DIOXIN/FURANS	TEQ	TCDD-TEQ	0.00030255			MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	3685		1.545	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	3670		1.54	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	3600		3.2	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7429-90-5	ALUMINUM	3480		3.1	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7429-90-5	ALUMINUM	3455		1.585	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7429-90-5	ALUMINUM	3440		1.3	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7429-90-5	ALUMINUM	3340		1.48	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	4430		1.73	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	2570		1.51	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7429-90-5	ALUMINUM	4560		1 48	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7429-90-5	ALUMINUM	2810		1.28	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7429-90-5	ALUMINUM	9310		2.95	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7429-90-5	ALUMINUM	4300		2.9	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7429-90-5	ALUMINUM	11300		1.7	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	4760		1 67	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	8590		2	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7429-90-5	ALUMINUM	7740		16.38	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7429-90-5	ALUMINUM	7210		6.54	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	6150		1.77	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	5560		1.61	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7429-90-5	ALUMINUM	5360		1.61	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	5270		5.44	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7429-90-5	ALUMINUM	6670		1.87	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7429-90-5	ALUMINUM	12400		1.71	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.105	UJ	0.21	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.1175	UJ	0.235	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.115	UN	0.23	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.1125	UJ	0.225	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0 11	UJ	0.22	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.11	UJ	0.22	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.1075	UN / UJ	0.215	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.105	UN	0.21	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.09	UJ	0.18	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-36-0	ANTIMONY	8 7		2.31	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.12	UJ	0.24	MG/KG	SB16-24-0-2	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-36-0	ANTIMONY	0.105	UJ	0.21	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.265	UJ	0.53	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-36-0	ANTIMONY	4 7		0.92	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.12	UN	0.24	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.38	UJ	0 76	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-36-0	ANTIMONY	6.4	J	0.55	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-36-0	ANTIMONY	0.245	UJ	0.49	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-36-0	ANTIMONY	0.14	UN	0.28	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.13	UJ	0.26	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.125	UJ	0.25	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.125	UJ	0 25	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.12	UN	0.24	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-36-0	ANTIMONY	0.42	UJ / J	0.51	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-38-2	ARSENIC	1 3		0.18	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-38-2	ARSENIC	2		0.185	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	1.8		0.19	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	1.6		0.195	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-38-2	ARSENIC	1.6	J	0.4	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-38-2	ARSENIC	0.33	UJ	0 66	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-38-2	ARSENIC	0 105	UJ	0.21	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-38-2	ARSENIC	0.105	U	0 21	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	0 075	UJ	0 15	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-38-2	ARSENIC	10 6		1.98	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-38-2	ARSENIC	2	J	0 19	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-38-2	ARSENIC	0.09	U	0 18	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.9		0.21	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.2		0.37	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-38-2	ARSENIC	4.2		0.78	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	5.8		0.23	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	3.3		0.19	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.8		0.41	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-38-2	ARSENIC	2.6		0.21	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.5		0.2	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.45		0.2	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-38-2	ARSENIC	2.2	J / _	0.385	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-38-2	ARSENIC	2.2		0.18	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-38-2	ARSENIC	4		0.24	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-39-3	BARIUM	10.8		0.04	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	INORGANIC	7440-39-3	BARIUM	17.4		0.05	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	22.2		0.045	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	19 4	J	1.5	MG/KG	28-SB-21-0-2	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-39-3	BARIUM	18.4		0.05	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	14.9		0.05	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	14.8		0.05	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	14.8		0.04	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-39-3	BARIUM	12		0.04	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-39-3	BARIUM	11.6	J	1.6	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-39-3	BARIUM	25.2		0.05	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-39-3	BARIUM	11.6		0.04	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-39-3	BARIUM	98.9		1.7	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-39-3	BARIUM	20.15		0.05	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	26.1		0.04	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	189		0.05	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	40.6		0.05	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-39-3	BARIUM	38.9		0 06	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-39-3	BARIUM	37.8		0.045	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-39-3	BARIUM	36.9		0.05	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	34.45	J	1.55	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-39-3	BARIUM	29.9		0.05	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-39-3	BARIUM	28.4		0.04	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-39-3	BARIUM	1100		0.05	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.48		0.06	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.38	J	0.04	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-41-7	BERYLLIUM	0.47		0.06	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.46		0.055	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.44		0.04	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.4		0.05	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.36		0.05	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.33	J / _	0.055	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.33		0.05	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.3	J	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-41-7	BERYLLIUM	0.56		0.06	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.27	J	0.04	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-41-7	BERYLLIUM	0 62		0.04	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.64		0.07	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.6		0.05	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.58		0.06	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.53		0.05	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.55		0.06	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.53		0.06	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.52		0.05	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.515	J	0.04	MG/KG	28-SB-19-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-41-7	BERYLLIUM	0.51		0.05	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.71		0.06	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-41-7	BERYLLIUM	0.5		0.06	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.02	U	0.04	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-43-9	CADMIUM	0.125	U	0.25	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.1225	U	0.245	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.12	U	0.24	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.12	U	0.24	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.105	U	0.21	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-43-9	CADMIUM	0 1	U	0.2	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-43-9	CADMIUM	0 02	U	0.04	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-43-9	CADMIUM	0.125	UJ	0 25	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.135	U	0.27	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.06	U	0.12	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.81	J	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-43-9	CADMIUM	0.125	U	0 25	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-43-9	CADMIUM	2.4		0.3	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.1325	UJ	0.265	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.56		0.27	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.43	U	0.86	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.35	J	0.25	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.16	U	0.32	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.15	U	0.3	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.14	UJ	0.28	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.135	U	0.27	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-43-9	CADMIUM	0.02	U	0 04	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-43-9	CADMIUM	0.33	J	0.24	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	0.3075	U	0.615	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	439	J	1.73	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	419	J	4.4	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-70-2	CALCIUM METAL	361	J	1.6	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	358	J	1.54	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	321	J	1.79	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	282		1.56	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	0.28	U	0.56	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	0.31	U	0.62	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	469	J	1.54	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	0.96	U	1.92	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	23400		0.64	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	3970		0.58	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	0.225	U	0.45	MG/KG	MW16-04S-03-05	6/14/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-70-2	CALCIUM METAL	495		2.07	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	2640		4.9	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-70-2	CALCIUM METAL	1200		1.66	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	1090		1.76	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	902.5	J	4.55	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-70-2	CALCIUM METAL	764 5	_ / J	1.6	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	748	J	1.84	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	584	J	1.94	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-70-2	CALCIUM METAL	505	J	4.7	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-70-2	CALCIUM METAL	975		1.78	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-47-3	CHROMIUM	2.9		0.07	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-47-3	CHROMIUM	7		0.07	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	6	J	0.07	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	5.9	J	0.07	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	5.5		0.68	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-47-3	CHROMIUM	5.2		0.08	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-47-3	CHROMIUM	4.9		0.73	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-47-3	CHROMIUM	0.0375	U	0.075	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-47-3	CHROMIUM	3.95	J / _	0.23	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	2.5		0.06	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-47-3	CHROMIUM	7.4		0.07	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-47-3	CHROMIUM	4.7	J	0.08	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	11.5		0.08	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-47-3	CHROMIUM	7.4		0.36	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-47-3	CHROMIUM	19.1		0.07	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	11.6		0 09	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-47-3	CHROMIUM	67.2		0.08	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-47-3	CHROMIUM	11.05		0.695	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-47-3	CHROMIUM	10.5		0.08	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	8.6	J	0.24	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	8.1		1.32	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-47-3	CHROMIUM	7.6	J	0 08	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	7 5	J	0.43	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-47-3	CHROMIUM	16.5		0.75	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-48-4	COBALT	3.55		0.285	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-48-4	COBALT	4.7	J	0.29	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-48-4	COBALT	4.2	J	1.4	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-48-4	COBALT	4 2	J	1.3	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-48-4	COBALT	3.9		0.28	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	3.5		0.31	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	3.4		0.27	MG/KG	SB16-27-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-48-4	COBALT	3.2	_ / J	0.28	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	2.6		0.23	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-48-4	COBALT	4.7	J	0.31	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	2		0.27	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-48-4	COBALT	2.9		0.23	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-48-4	COBALT	7.8		0 36	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-48-4	COBALT	4.7		0.29	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	4 8		0.27	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-48-4	COBALT	7.95	J	1.35	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-48-4	COBALT	7	J	1.4	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-48-4	COBALT	6.8		0 32	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	6.5		0.07	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	6	J	0.31	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-48-4	COBALT	6		0 08	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-48-4	COBALT	5.2		0.34	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	5 1	_ / J	0.305	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-48-4	COBALT	10.2		0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-50-8	COPPER	14.6		0.195	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	8.8	J	0 185	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-50-8	COPPER	14.6		0.2	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	14.2	J	0.2	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-50-8	COPPER	11		0.22	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	10 7	J	0.15	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-50-8	COPPER	8.6		0.17	MG/KG	MW16-05S-5 0-7 0	5/30/2000
TS	INORGANIC	7440-50-8	COPPER	8.4		0.91	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-50-8	COPPER	8.2	_ / J	0.18	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	8.2	J	0.18	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-50-8	COPPER	7.9	J	0.2	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	6.7	J	0.15	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-50-8	COPPER	40.2	J	0.19	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	16.6		0.21	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	452	J	0.17	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-50-8	COPPER	54.1		0.93	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-50-8	COPPER	160	J	0.15	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	24 8		0.18	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	24.3	J	0.23	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-50-8	COPPER	21.6		0.17	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-50-8	COPPER	19.05		0.87	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-50-8	COPPER	18.5		0.84	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-50-8	COPPER	16.9	J	0.19	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-50-8	COPPER	56.7	J	0.64	MG/KG	MW16-03S-03-05	6/12/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7439-89-6	IRON	8120		0.37	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7439-89-6	IRON	9880		0.33	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7439-89-6	IRON	9740		2.7	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7439-89-6	IRON	9220		0.27	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7439-89-6	IRON	9055		0.325	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7439-89-6	IRON	8080		0.31	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7439-89-6	IRON	7310		0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7439-89-6	IRON	6980		2.9	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7439-89-6	IRON	12800		0.355	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7439-89-6	IRON	5900		0.27	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7439-89-6	IRON	12900		0.31	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7439-89-6	IRON	5930		0.32	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7439-89-6	IRON	21200		0.42	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7439-89-6	IRON	11700		0.34	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7439-89-6	IRON	26500		1.38	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7439-89-6	IRON	22000		6.72	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7439-89-6	IRON	54300		3.45	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7439-89-6	IRON	16900		0.36	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7439-89-6	IRON	15950		2.75	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7439-89-6	IRON	14200		0.36	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7439-89-6	IRON	14100		0 4	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7439-89-6	IRON	14000		0.34	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7439-89-6	IRON	12900		0.38	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7439-89-6	IRON	25800		3	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7439-92-1	LEAD	11.6		0.12	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7439-92-1	LEAD	22		0.14	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7439-92-1	LEAD	3.95		0.14	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7439-92-1	LEAD	17.1		0.16	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	13 45		0.14	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	9.1		0.48	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7439-92-1	LEAD	8.5		0.15	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	8.1		0.15	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7439-92-1	LEAD	6.7		0.17	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	4.6		0.13	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7439-92-1	LEAD	23.45		0.215	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7439-92-1	LEAD	4.6		0.22	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7439-92-1	LEAD	98.4		0.16	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	27.7		0.16	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7439-92-1	LEAD	18.8		0.14	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	2650		16.4	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7439-92-1	LEAD	288		0.58	MG/KG	SB16-23-3-5	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7439-92-1	LEAD	69.3		0.18	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7439-92-1	LEAD	59.3		0.14	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	58.6		0.2	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7439-92-1	LEAD	36		0.13	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	30.4		0.15	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7439-92-1	LEAD	29.1		0.14	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7439-92-1	LEAD	339		0.23	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7439-95-4	MAGNESIUM	0.505	UJ	1.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1200	J	1.22	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1490		1.34	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1200	J	1.17	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1200		6.7	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7439-95-4	MAGNESIUM	995.5	J / _	1.22	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	969	J	7.3	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7439-95-4	MAGNESIUM	872	J	1.36	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	540		1.19	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	0.51	UJ	1.02	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1505	J	1.32	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	525.2875	_ / U	1.245	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	2520		7	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7439-95-4	MAGNESIUM	1470		1.27	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1660		7.5	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7439-95-4	MAGNESIUM	2550		5.16	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	2360		1.35	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	2140		1.57	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1900		1.17	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1830	J	1.27	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1780	J	1.48	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1740	J	4.28	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	1670	J	1.4	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7439-95-4	MAGNESIUM	4910		12.9	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7439-96-5	MANGANESE	171		0.13	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7439-96-5	MANGANESE	102	J	0.13	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	121	J	0.14	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	107.5	J	0.135	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	105	J	0.12	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	102	J	0.14	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	94.2	J	0.14	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	92		0.1	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7439-96-5	MANGANESE	84 4	J	0.12	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7439-96-5	MANGANESE	81.7		0.11	MG/KG	SB16-26-2-4	6/23/2000

ATTA MENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7439-96-5	MANGANESE	121	J	0.22	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7439-96-5	MANGANESE	70.25		0 13	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7439-96-5	MANGANESE	317	J	0.23	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7439-96-5	MANGANESE	136	J	0.15	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	295	J	0.02	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	248	J	0 16	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7439-96-5	MANGANESE	219		0.44	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7439-96-5	MANGANESE	177	J	0.215	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7439-96-5	MANGANESE	167	J	0.2	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7439-96-5	MANGANESE	587	J	0.02	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7439-96-5	MANGANESE	149	J	0.13	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7439-96-5	MANGANESE	144	J	0 14	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7439-96-5	MANGANESE	140		0.12	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	INORGANIC	7439-96-5	MANGANESE	157	J	0.125	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 005	U	0.01	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0 01	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.52		0 01	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0 01	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.96		0 01	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.14		0.05	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.11		0 01	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.04	J / U	0.055	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.025	U	0.05	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.005	U	0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.025	U	0.05	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-02-0	NICKEL	0.535	U	1.07	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	5.5		1.145	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-02-0	NICKEL	4.555	U / _	1.21	MG/KG	SB16-27-2-4	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-02-0	NICKEL	3.9		0.94	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-02-0	NICKEL	2.6		1.09	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-02-0	NICKEL	2.1475	_ / U	1.115	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	0.68	U	1.36	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	0.465	U	0.93	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-02-0	NICKEL	0.56	U	1.12	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	6.9	J	2.1	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-02-0	NICKEL	7.2		1.16	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	0.625	U	1.25	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	11		1.44	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-02-0	NICKEL	6.6		1.23	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	18.3		2.2	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-02-0	NICKEL	12.3		2 05	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-02-0	NICKEL	25 6		0.11	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	10 3		1.24	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-02-0	NICKEL	9.4		1.28	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-02-0	NICKEL	9		1.16	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-02-0	NICKEL	8.3		1 07	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-02-0	NICKEL	7.3	J	2	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-02-0	NICKEL	34 5		0.12	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-02-0	NICKEL	12.6		3.94	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	9/7/7440	POTASSIUM	381		30.99	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	9/7/7440	POTASSIUM	490		38.55	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	481		34.88	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	432		31.76	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	401	J	18 7	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	9/7/7440	POTASSIUM	16 505	U	33.01	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	9/7/7440	POTASSIUM	16.265	U	32.53	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	9/7/7440	POTASSIUM	13.97	U	27.94	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	9/7/7440	POTASSIUM	542		30.46	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	13.185	U	26.37	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	9/7/7440	POTASSIUM	564		33.01	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	13.32	U	26.64	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	9/7/7440	POTASSIUM	754		35.21	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	9/7/7440	POTASSIUM	531		35 57	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	1060		37.39	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	9/7/7440	POTASSIUM	901	J	19.2	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	9/7/7440	POTASSIUM	1100		33.61	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	707		34.325	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	685	J	31.765	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	634		41.03	MG/KG	SB16-28-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	9/7/7440	POTASSIUM	619		30.47	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	9/7/7440	POTASSIUM	599	J	17.2	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	9/7/7440	POTASSIUM	588		36.47	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	9/7/7440	POTASSIUM	1038.5	_ / J	17.85	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7782-49-2	SELENIUM	0.145	U	0.29	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.16	U	0.32	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.1575	U	0.315	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.155	U	0.31	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.145	U	0.29	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.14	U	0.28	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.14	U	0.28	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.135	U	0.27	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.135	U	0.27	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.16	U	0.32	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.135	U	0.27	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.115	U	0.23	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.92		0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7782-49-2	SELENIUM	1.485	U	2.97	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.17	U	0.34	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.88		0.36	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.7		0.31	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.59	U	1.18	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.33	J	0.305	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7782-49-2	SELENIUM	0.25	U	0.5	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7782-49-2	SELENIUM	0.245	U	0.49	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7782-49-2	SELENIUM	0.2325	U	0.465	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7782-49-2	SELENIUM	0.225	U	0.45	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7782-49-2	SELENIUM	0.55	J	0.31	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-22-4	SILVER	0 105	UJ	0.21	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-22-4	SILVER	0.135	U	0.27	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.135	UJ	0.27	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-22-4	SILVER	0.13	U	0.26	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.125	U	0.25	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-22-4	SILVER	0.125	U	0.25	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.11	U	0.22	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-22-4	SILVER	0.1	U	0.2	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-22-4	SILVER	0.1075	U	0.215	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-22-4	SILVER	0 145	U	0.29	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.145	U	0.29	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-22-4	SILVER	0.11	UJ	0.22	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-22-4	SILVER	2		0.1	MG/KG	SB16-23-3-5	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-22-4	SILVER	0.14	U	0.28	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	6.8		0.12	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-22-4	SILVER	0.45	U	0.9	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-22-4	SILVER	0.32	J	0.26	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.3	J	0.25	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	INORGANIC	7440-22-4	SILVER	0.29	J	0.23	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-22-4	SILVER	0.225	J / U	0.26	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-22-4	SILVER	0.165	U	0.33	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-22-4	SILVER	0.155	U	0.31	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.15	U	0.3	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-22-4	SILVER	0.28	J	0.28	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	0.595	U	1.19	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-23-5	SODIUM	27.5		1.32	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-23-5	SODIUM	26.55		1.46	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	17.36	U / _	1.35	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	0.755	U	1.51	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	0.7	U	1.4	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-23-5	SODIUM	0.69	U	1.38	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-23-5	SODIUM	0.56	U	1.12	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-23-5	SODIUM	0.645	U	1.29	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	29.8		1.64	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	0.565	U	1.13	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-23-5	SODIUM	0.675	U	1.35	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	95.15	J	6	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-23-5	SODIUM	31.4		1 55	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	209		1.43	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	101	J	6.2	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-23-5	SODIUM	596		1.59	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-23-5	SODIUM	82		1.4	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	75.8	J	5.8	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-23-5	SODIUM	43.1		1.74	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-23-5	SODIUM	38.5		1.48	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-23-5	SODIUM	33.6		1.5	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-23-5	SODIUM	31.8		1.29	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-23-5	SODIUM	145	J	6.4	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-28-0	THALLIUM	0.15	U	0.3	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.155	U	0.31	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.15	U	0.3	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.14	U	0.28	MG/KG	28-SB-20-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-28-0	THALLIUM	0.13	U	0.26	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.13	U	0.26	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-28-0	THALLIUM	0.1575	U	0.315	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-28-0	THALLIUM	1.635	U	3.27	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.125	U	0.25	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-28-0	THALLIUM	0.125	U	0.25	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-28-0	THALLIUM	0.185	U	0.37	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.16	U	0.32	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.65	J	0.3	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.2	U	0.4	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.65	U	1.3	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.175	U	0.35	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.175	U	0.35	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.175	U	0.35	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.17	U	0.34	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.17	U	0 34	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.1675	U	0.335	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-28-0	THALLIUM	0.54	U	1.08	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-62-2	VANADIUM	6.9		0.375	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	8		0.42	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	7.5	J	0.66	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-62-2	VANADIUM	7.4	J	0.73	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-62-2	VANADIUM	7.4		0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	6.8		0.39	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-62-2	VANADIUM	6.1	J	0.71	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-62-2	VANADIUM	6		0.32	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-62-2	VANADIUM	8.3		0.36	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-62-2	VANADIUM	4.6		0.31	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-62-2	VANADIUM	10 6		0.39	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	4.7		0.37	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-62-2	VANADIUM	14.4		0.1	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-62-2	VANADIUM	8.6		0.38	MG/KG	SB16-25-0-2	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	18.9		0.42	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-62-2	VANADIUM	15.4		0.675	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-62-2	VANADIUM	18.4		0.41	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	14.2		0.09	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	11.8		0.39	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-62-2	VANADIUM	11.3		0.46	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	10.9		1.32	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-62-2	VANADIUM	10.6		0.405	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-62-2	VANADIUM	10 5		0.43	MG/KG	SB16-25-7-9	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	INORGANIC	7440-62-2	VANADIUM	16.1		0.49	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-66-6	ZINC	28.8	J	0.16	MG/KG	SB16-22-6-8	6/27/2000
TS	INORGANIC	7440-66-6	ZINC	38.3		0.16	MG/KG	SB16-27-2-4	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	17.3	J	0.15	MG/KG	MW16-07S-05-07	6/19/2000
TS	INORGANIC	7440-66-6	ZINC	33.1	J	0.14	MG/KG	SB16-22-0-2	6/27/2000
TS	INORGANIC	7440-66-6	ZINC	29.8		0.16	MG/KG	SB16-24-0-2	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	27.8	J	0.12	MG/KG	MW16-04S-03-05	6/14/2000
TS	INORGANIC	7440-66-6	ZINC	25.2		0 14	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	INORGANIC	7440-66-6	ZINC	23.2		0.18	MG/KG	SB16-24-7-9	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	22.9	J	0.16	MG/KG	SB16-21-8-10	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	39.3	J	0.52	MG/KG	MW16-03S-03-05	6/12/2000
TS	INORGANIC	7440-66-6	ZINC	20.7		1.5	MG/KG	28-SB-17-8-10	10/13/1998
TS	INORGANIC	7440-66-6	ZINC	39.6		1.4	MG/KG	28-SB-21-0-2	10/13/1998
TS	INORGANIC	7440-66-6	ZINC	35.9		0.14	MG/KG	SB16-27-0-2	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	1610	J	0.33	MG/KG	SB16-28-4-6	6/27/2000
TS	INORGANIC	7440-66-6	ZINC	688	J	0.62	MG/KG	SB16-23-3-5	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	528		1.5	MG/KG	28-SB-20-8-10	10/13/1998
TS	INORGANIC	7440-66-6	ZINC	366		0.17	MG/KG	SB16-25-7-9	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	85.3	J	0 19	MG/KG	SB16-28-0-2	6/27/2000
TS	INORGANIC	7440-66-6	ZINC	65.9		1.45	MG/KG	28-SB-19-8-10	10/13/1998
TS	INORGANIC	7440-66-6	ZINC	62.6	J	0.15	MG/KG	SB16-26-0-2	6/23/2000
TS	INORGANIC	7440-66-6	ZINC	42.9	J	0 12	MG/KG	SB16-26-2-4	6/23/2000
TS	INORGANIC	7440-66-6	ZINC	40.8	J	0.15	MG/KG	SB16-23-0-2	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	40.1	_ / J	0.15	MG/KG	SB16-21-0-2	6/26/2000
TS	INORGANIC	7440-66-6	ZINC	70.4		0 15	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.028	U	0.056	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.0285	U	0.057	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.03		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.0305	U	0.061	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.011	U	0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.029	U	0.058	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	6.45		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.558	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.42			MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	49		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.029	U	0.058	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	83-32-9	ACENAPHTHENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.0315	U	0.063	MG/KG	28-SB-20-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	83-32-9	ACENAPHTHENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.051			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	83-32-9	ACENAPHTHENE	0.062	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0 022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.02975	U	0.0595	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0 022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	UJ	0 024	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.014		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.021	U	0.042	MG/KG	28-SB-01C	4/26/1996
TS	PAHS	83-32-9	ACENAPHTHENE	0.012	U	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.6		0 022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.0285	U	0 057	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	83-32-9	ACENAPHTHENE	5.3		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	83-32-9	ACENAPHTHENE	4.2	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	83-32-9	ACENAPHTHENE	2.4	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	83-32-9	ACENAPHTHENE	1.4	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	83-32-9	ACENAPHTHENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	0.77	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	83-32-9	ACENAPHTHENE	15.1	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	83-32-9	ACENAPHTHENE	0.53			MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.42			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	83-32-9	ACENAPHTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.8	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0 175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	83-32-9	ACENAPHTHENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.029		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.0295	U	0.059	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.032		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.037	U	0.074	MG/KG	28-SB-01C	4/26/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.038	U	0.076	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.054	J		MG/KG	28-SB-01A	4/24/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.075	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.028	U	0.056	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0 34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.1605	J / UJ	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	U	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.011	U	0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	U	0 024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.0275	U	0.055	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.027	U	0.054	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	1.2	U	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.85	UJ	1.7	MG/KG	28-SB-01D	4/26/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.8	UJ	1.6	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.77	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	208-96-8	ACENAPHTHYLENE	0 4	UJ	0 8	MG/KG	28-SB-01A	4/26/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0 35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.75	UJ	1.5	MG/KG	28-SB-01D	4/26/1996
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.175	U	0·35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	208-96-8	ACENAPHTHYLENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0 17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	120-12-7	ANTHRACENE	0.0275	U	0.055	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	120-12-7	ANTHRACENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.037		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.04			MG/KG	28-SB-01B	4/24/1996

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	120-12-7	ANTHRACENE	0 045		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	120-12-7	ANTHRACENE	0.053	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0 087	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	120-12-7	ANTHRACENE	0.092	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	120-12-7	ANTHRACENE	0.15	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	120-12-7	ANTHRACENE	0.02625	U	0.0525	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	120-12-7	ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.1045	U / J	0.34	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	120-12-7	ANTHRACENE	0.005	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	120-12-7	ANTHRACENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	120-12-7	ANTHRACENE	0.011		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	120-12-7	ANTHRACENE	0 011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	120-12-7	ANTHRACENE	0.006		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	120-12-7	ANTHRACENE	0 012	J	0 024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.026	U	0.052	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	120-12-7	ANTHRACENE	0 012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	120-12-7	ANTHRACENE	0 012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.012		0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0 015			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	120-12-7	ANTHRACENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	120-12-7	ANTHRACENE	0 012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	4.6	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	2.8		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	120-12-7	ANTHRACENE	1.25		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	120-12-7	ANTHRACENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	1.015	_ / U	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	120-12-7	ANTHRACENE	0.87		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	120-12-7	ANTHRACENE	0.615	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	120-12-7	ANTHRACENE	0.3	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	120-12-7	ANTHRACENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	120-12-7	ANTHRACENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	120-12-7	ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	120-12-7	ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	120-12-7	ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.057			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.059	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.059		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.06		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.07		0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.075	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.075	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.0875		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.14	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.14		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.053		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.043		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.043	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0 036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.031		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.004			MG/KG	28-SB-01C	4/26/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.025		0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.011			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.028		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.59	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.23	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.25		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.265	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.35			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	2	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	1.1	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	1.2	U	2 4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	1.2	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	2		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.3		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	4.45		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.2	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0 1875	J / U	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.14	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.051		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.051		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.058	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.067			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 07		0.047	MG/KG	28-SB-21-0-2	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.07		0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.071		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 073		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.0755		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.083	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.04	J		MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.0905	J	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.087	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.036	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.032		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.026	U	0.052	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.026		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.02475	U	0.0495	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.0245	U	0.049	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.019	J	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.008			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.004	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.145	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.02		0 02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.5		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.215	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.2425	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.28	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.35			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	1.6	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	1.4	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	1.6		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	2.35		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.33	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	2.45	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0 35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0 19	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	50-32-8	BENZO[A]PYRENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.14		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.0945	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.097		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.11	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.11	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.17	U	0 34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.13		0.074	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.145		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.081		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.03825	U	0.0765	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.12		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.04	J	0 02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.017			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.0405	U	0.081	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.0375	U	0.075	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.062		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.05	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.051	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.055	J		MG/KG	EBS-28-SB12-0-2	6/19/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 056	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.057		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.037	J	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.68	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	7.4		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	2.8	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	2.6		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	1 8	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	1.2	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.85		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.008			MG/KG	28-SB-01C	4/26/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.53			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.5		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.35	J / _		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.33	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.3125	_ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	1 2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.24	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.19		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1265	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.04975	U	0.0995	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.05		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.05		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 05	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.066	J		MG/KG	EBS-28-SB10-4-6	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 068		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.087			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.11	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.049	U	0.098	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.135	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.013		0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	U	0 34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.006			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.003	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.013		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.015	J	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.028		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.034		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.046	J	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.047		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.048	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.4		0 022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.2325	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.24	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.28	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.7	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.84	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	1.05		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	1.2	U	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	2.05	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.25	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1125	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.035	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.036	U	0.072	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.036		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.039			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.04	_ / U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.041		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.043	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.15	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.099	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.12	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.03425	U	0.0685	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1625	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.067	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.0335	U	0.067	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.033	U	0.066	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.0295	J / _	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.024		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.018		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.015		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.003			MG/KG	28-SB-01C	4/26/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.007			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0 014		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	1.2	U	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	1.095	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.82	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.51	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.3	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.22	U	0 44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	1.8		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.26		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0 35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.18	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.096		0.073	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	218-01-9	CHRYSENE	0.05		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	218-01-9	CHRYSENE	0.05	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.066	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	218-01-9	CHRYSENE	0.069		0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.069	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.073			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	218-01-9	CHRYSENE	0.08	J		MG/KG	EBS-28-SB10-4-6	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	218-01-9	CHRYSENE	0.082		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.145	J / U	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	218-01-9	CHRYSENE	0.086		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.041	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.1	J	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	218-01-9	CHRYSENE	0.083		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.03		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	218-01-9	CHRYSENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	4.75		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	218-01-9	CHRYSENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	218-01-9	CHRYSENE	0.015	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	218-01-9	CHRYSENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	218-01-9	CHRYSENE	0.028			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	218-01-9	CHRYSENE	0.04	U	0.08	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	218-01-9	CHRYSENE	0.031		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0.034		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	218-01-9	CHRYSENE	0.036	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.037	U	0.074	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	218-01-9	CHRYSENE	0.03775	U	0.0755	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	218-01-9	CHRYSENE	0.038		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	0 026		0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	218-01-9	CHRYSENE	0.34	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	218-01-9	CHRYSENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	2.2		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	218-01-9	CHRYSENE	2	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	218-01-9	CHRYSENE	1.5	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	218-01-9	CHRYSENE	1.4	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	218-01-9	CHRYSENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	218-01-9	CHRYSENE	1		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	218-01-9	CHRYSENE	0.3	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	218-01-9	CHRYSENE	0.285	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.2125	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	1.2	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	218-01-9	CHRYSENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.175	U	0 35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	218-01-9	CHRYSENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.19		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	218-01-9	CHRYSENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	218-01-9	CHRYSENE	0.19	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.084	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.026		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.032	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.0385	U	0.077	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.042	U	0.084	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.04	U	0.08	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.001	U	0.002	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0 0475	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1345	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.058	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.024		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.088	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.14		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.05		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.022	UJ	0.044	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.015	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.015	_ / U	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.01		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.001	U	0.002	MG/KG	28-SB-01C	4/26/1996

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.009			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.0395	U	0.079	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	1.2	U	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.75	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.315	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.15	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.069		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.073			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	206-44-0	FLUORANTHENE	0.078	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.078	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.082	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.092		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.1		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.1005	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.12		0.022	MG/KG	SB16-27-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	206-44-0	FLUORANTHENE	0.12		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.16		0.063	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	206-44-0	FLUORANTHENE	0.067	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.032	U	0.064	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	206-44-0	FLUORANTHENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.055	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.053		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.05	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.041			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	206-44-0	FLUORANTHENE	0.04	J	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.04		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.03275	U	0.0655	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	206-44-0	FLUORANTHENE	0.017	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	206-44-0	FLUORANTHENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	PAHS	206-44-0	FLUORANTHENE	0 012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.0345	U	0.069	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	206-44-0	FLUORANTHENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.2525	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.26	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.29		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.48	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	206-44-0	FLUORANTHENE	0.58			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.22		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.93	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	206-44-0	FLUORANTHENE	2.5	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	206-44-0	FLUORANTHENE	1 4		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	206-44-0	FLUORANTHENE	1.6	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	206-44-0	FLUORANTHENE	2.35	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	206-44-0	FLUORANTHENE	4.305		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.825	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	5.5		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.18		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.195		0 064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	206-44-0	FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	206-44-0	FLUORANTHENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.145	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	86-73-7	FLUORENE	0.021	UJ	0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.021	UJ	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.032	U	0.064	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	86-73-7	FLUORENE	0.032	UJ	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.0325	U	0.065	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	86-73-7	FLUORENE	0.03325	U	0.0665	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	86-73-7	FLUORENE	0.035	U	0.07	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	86-73-7	FLUORENE	0.038	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	86-73-7	FLUORENE	0.055	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	86-73-7	FLUORENE	0.062	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	86-73-7	FLUORENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	86-73-7	FLUORENE	0.14	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	86-73-7	FLUORENE	0.011	U	0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	86-73-7	FLUORENE	0.14	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	86-73-7	FLUORENE	0 012	UJ	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.012	UJ	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	86-73-7	FLUORENE	0.012	UJ	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.012	UJ	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.011	UJ	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.01	UJ	0 02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	86-73-7	FLUORENE	0.007		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	86-73-7	FLUORENE	0.005	J		MG/KG	28-SB-01A	4/24/1996
TS	PAHS	86-73-7	FLUORENE	0.004	U	0.008	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	86-73-7	FLUORENE	0.0035	U	0.007	MG/KG	28-SB-01C	4/26/1996
TS	PAHS	86-73-7	FLUORENE	0.16	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	86-73-7	FLUORENE	0.17	U	0 34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	86-73-7	FLUORENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	86-73-7	FLUORENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	86-73-7	FLUORENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.685	J	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	86-73-7	FLUORENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0 51	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	86-73-7	FLUORENE	0.5925	_ / UJ	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	86-73-7	FLUORENE	1.2	UJ	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0 195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	86-73-7	FLUORENE	5.1	J	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	86-73-7	FLUORENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	86-73-7	FLUORENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.13	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.056	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.0615	J	0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.07	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.076		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.083		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.0855		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.086	J	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 145	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.125	U / J	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.14	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.05	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.022		0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.024		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.002	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.012	UJ	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 042		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.022	J	0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.049	U	0.098	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.004			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.043		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.0445	U	0.089	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.0455	U	0.091	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.04625	U	0.0925	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 047			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.26	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.15	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	2 3		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	1.5		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	1 2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	1.2	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.64		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 49	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.2125	U / J	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.5	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 19	J	0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0 35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.027		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.03	J		MG/KG	28-SB-01A	4/24/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.032	U	0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.0475	U	0.095	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	91-20-3	NAPHTHALENE	0.0485	U	0.097	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	91-20-3	NAPHTHALENE	0.04925	U	0.0985	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	91-20-3	NAPHTHALENE	0 05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	91-20-3	NAPHTHALENE	0.14	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0 34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.022	U	0.044	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.445	UJ	0.89	MG/KG	28-SB-01B	4/24/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.006		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.01	U	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	91-20-3	NAPHTHALENE	0 011	U	0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.011	U	0 022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.015		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.021	U	0.042	MG/KG	28-SB-01C	4/26/1996
TS	PAHS	91-20-3	NAPHTHALENE	0 17	U	0 34	MG/KG	EBS-28-SB11-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	91-20-3	NAPHTHALENE	0.23	UJ	0.46	MG/KG	28-SB-01A	4/26/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	12		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	91-20-3	NAPHTHALENE	2.3			MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.58		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.557	U / _	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	91-20-3	NAPHTHALENE	0.5225	UJ / J	0.99	MG/KG	28-SB-01D	4/26/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.435	UJ	0.87	MG/KG	28-SB-01D	4/26/1996
TS	PAHS	91-20-3	NAPHTHALENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	91-20-3	NAPHTHALENE	0 195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	91-20-3	NAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.049	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.055		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.06		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.064		0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.065	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.074		0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	85-01-8	PHENANTHRENE	0.077		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.087		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.098		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.1215	J / U	0.36	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.14	J		MG/KG	EBS-28-SB12-6-8	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	85-01-8	PHENANTHRENE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	85-01-8	PHENANTHRENE	0.1675	J / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.012	U	0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.165	U	0 33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	85-01-8	PHENANTHRENE	0.0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	85-01-8	PHENANTHRENE	0.035		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.03			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.028		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.024		0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.006	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.014			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	85-01-8	PHENANTHRENE	0 012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.02		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.9	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.2	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.22	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.28	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.5			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.3	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.905	_ / U	1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.92		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	85-01-8	PHENANTHRENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	85-01-8	PHENANTHRENE	1.35		0.022	MG/KG	MW16-07S-05-07	6/19/2000
TS	PAHS	85-01-8	PHENANTHRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	13	J	2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	85-01-8	PHENANTHRENE	1.6	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.55	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	85-01-8	PHENANTHRENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	85-01-8	PHENANTHRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.062		0.024	MG/KG	SB16-25-7-9	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.13		0.022	MG/KG	SB16-26-2-4	6/23/2000
TS	PAHS	129-00-0	PYRENE	0.066	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.068	J		MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.068		0.042	MG/KG	SB16-25-0-2	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.07			MG/KG	28-SB-01A	4/24/1996
TS	PAHS	129-00-0	PYRENE	0.075	J		MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.083		0.022	MG/KG	MW16-04S-03-05	6/14/2000
TS	PAHS	129-00-0	PYRENE	0.086	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	PAHS	129-00-0	PYRENE	0.09		0.022	MG/KG	SB16-27-0-2	6/26/2000
TS	PAHS	129-00-0	PYRENE	0 11	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.115		0.064	MG/KG	SB16-27-2-4	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.12	J		MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	PAHS	129-00-0	PYRENE	0.059		0.022	MG/KG	SB16-24-0-2	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.14		0.079	MG/KG	28-SB-21-0-2	10/13/1998
TS	PAHS	129-00-0	PYRENE	0.038	J		MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	PAHS	129-00-0	PYRENE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.76		0.026	MG/KG	SB16-28-0-2	6/27/2000
TS	PAHS	129-00-0	PYRENE	0.012	U	0.024	MG/KG	SB16-22-6-8	6/27/2000
TS	PAHS	129-00-0	PYRENE	0.012	U	0.024	MG/KG	MW16-03S-03-05	6/12/2000
TS	PAHS	129-00-0	PYRENE	0 013	J		MG/KG	28-SB-01C	4/26/1996
TS	PAHS	129-00-0	PYRENE	0.012	U	0.024	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PAHS	129-00-0	PYRENE	0.037			MG/KG	28-SB-01B	4/24/1996
TS	PAHS	129-00-0	PYRENE	0 053		0.022	MG/KG	SB16-26-0-2	6/23/2000
TS	PAHS	129-00-0	PYRENE	0.039		0.024	MG/KG	SB16-21-8-10	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.012	U	0.024	MG/KG	SB16-24-7-9	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.0405	U	0.081	MG/KG	28-SB-17-8-10	10/13/1998
TS	PAHS	129-00-0	PYRENE	0.04125	U	0.0825	MG/KG	28-SB-19-8-10	10/13/1998
TS	PAHS	129-00-0	PYRENE	0.0435	U	0.087	MG/KG	28-SB-20-8-10	10/13/1998
TS	PAHS	129-00-0	PYRENE	0.044	J		MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.032	J	0.02	MG/KG	SB16-22-0-2	6/27/2000
TS	PAHS	129-00-0	PYRENE	0.375		0.022	MG/KG	MW16-07S-05-07	6/19/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PAHS	129-00-0	PYRENE	0.49			MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	PAHS	129-00-0	PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	6.4		1.11	MG/KG	SB16-21-0-2	6/26/2000
TS	PAHS	129-00-0	PYRENE	5		2.4	MG/KG	SB16-28-4-6	6/27/2000
TS	PAHS	129-00-0	PYRENE	2.2	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	129-00-0	PYRENE	1.9	J		MG/KG	28-SB-01D	4/26/1996
TS	PAHS	129-00-0	PYRENE	1.7	J		MG/KG	28-SB-01B	4/24/1996
TS	PAHS	129-00-0	PYRENE	1.3	J		MG/KG	28-SB-01A	4/26/1996
TS	PAHS	129-00-0	PYRENE	0.63	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.36	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.36	J		MG/KG	28-SB-01C	4/24/1996
TS	PAHS	129-00-0	PYRENE	0.2475	J / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	PAHS	129-00-0	PYRENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	PAHS	129-00-0	PYRENE	0.17		0.042	MG/KG	SB16-23-0-2	6/26/2000
TS	PAHS	129-00-0	PYRENE	1.2	U	2.4	MG/KG	SB16-23-3-5	6/26/2000
TS	PAHS	129-00-0	PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	PAHS	129-00-0	PYRENE	0 175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	PAHS	129-00-0	PYRENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	PAHS	129-00-0	PYRENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	PAHS	129-00-0	PYRENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0 0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PCBS	12674-11-2	AROCLOR-1016	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	12674-11-2	AROCLOR-1016	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	12674-11-2	AROCLOR-1016	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.0105	U	0.021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	12674-11-2	AROCLOR-1016	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0 02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0365	U	0.073	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	11104-28-2	AROCLOR-1221	0.037	U	0.074	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	11104-28-2	AROCLOR-1221	0.038	U	0.076	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	11104-28-2	AROCLOR-1221	0.04	U	0.08	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.0105	U	0.021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	11104-28-2	AROCLOR-1221	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	11141-16-5	AROCLOR-1232	0 009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	11141-16-5	AROCLOR-1232	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.0105	U	0 021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PCBS	11141-16-5	AROCLOR-1232	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	53469-21-9	AROCLOR-1242	0.0105	U	0.021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	53469-21-9	AROCLOR-1242	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	53469-21-9	AROCLOR-1242	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000

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TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	53469-21-9	AROCLOR-1242	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0 009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0 018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	12672-29-6	AROCLOR-1248	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	12672-29-6	AROCLOR-1248	0.0105	U	0.021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	12672-29-6	AROCLOR-1248	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	12672-29-6	AROCLOR-1248	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	12672-29-6	AROCLOR-1248	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0 009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000

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TS	PCBS	11097-69-1	AROCLOR-1254	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	11097-69-1	AROCLOR-1254	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	11097-69-1	AROCLOR-1254	0.0105	U	0 021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.0105	U	0.021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	11097-69-1	AROCLOR-1254	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0 009	U	0 018	MG/KG	SB16-24-0-2	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0 009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0185	U	0.037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PCBS	11096-82-5	AROCLOR-1260	0.019	U	0.038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PCBS	11096-82-5	AROCLOR-1260	0.018	U	0.036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PCBS	11096-82-5	AROCLOR-1260	0.014	U / _	0.018	MG/KG	SB16-21-0-2	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.02	U	0.04	MG/KG	28-SB-20-8-10	10/13/1998
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.0105	U	0 021	MG/KG	SB16-28-4-6	6/27/2000
TS	PCBS	11096-82-5	AROCLOR-1260	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0 0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	309-00-2	ALDRIN	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0 001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	309-00-2	ALDRIN	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0 0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0 001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0024	J	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.0009	UJ	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	UJ	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0 00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	U	0 002	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00205	UJ	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	UJ	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	UJ	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	UJ	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	319-84-6	ALPHA-HCH	0.00105	UJ	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0 0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0 0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	319-85-7	BETA-HCH	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	319-85-7	BETA-HCH	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	319-85-7	BETA-HCH	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	72-54-8	DDD	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	72-54-8	DDD	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	72-54-8	DDD	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	72-54-8	DDD	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0 00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	72-54-8	DDD	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0 00175	U	0 0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	72-54-8	DDD	0 0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	72-54-8	DDD	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	72-54-8	DDD	0 002925	UJ / J	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	72-54-8	DDD	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.0019	U	0 0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	72-54-8	DDD	0 004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	72-54-8	DDD	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	72-54-8	DDD	0.0019	U	0.0038	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	PESTICIDES	72-54-8	DDD	0 0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	72-55-9	DDE	0 0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	72-55-9	DDE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	72-55-9	DDE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	72-55-9	DDE	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	72-55-9	DDE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	72-55-9	DDE	0 001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	72-55-9	DDE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	72-55-9	DDE	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	72-55-9	DDE	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	72-55-9	DDE	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	72-55-9	DDE	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0 0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	50-29-3	DDT	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	50-29-3	DDT	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	50-29-3	DDT	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	50-29-3	DDT	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0017	UJ	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	50-29-3	DDT	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0037		0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	50-29-3	DDT	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	50-29-3	DDT	0.0037		0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	50-29-3	DDT	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	50-29-3	DDT	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	50-29-3	DDT	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	50-29-3	DDT	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	50-29-3	DDT	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	319-86-8	DELTA-BHC	0 0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00205	U	0 0041	MG/KG	SB16-28-4-6	6/27/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	319-86-8	DELTA-BHC	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0 001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	319-86-8	DELTA-BHC	0.001	U	0.002	MG/KG	MW16-05S-5 0-7 0	5/30/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00095	U	0 0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	319-86-8	DELTA-BHC	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0 001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	60-57-1	DIELDRIN	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0 0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0 00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0 001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	60-57-1	DIELDRIN	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	PESTICIDES	60-57-1	DIELDRIN	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	60-57-1	DIELDRIN	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0 0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0 0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0 0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0 00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0 001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	959-98-8	ENDOSULFAN I	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0 00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0 0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	33213-65-9	ENDOSULFAN II	0 00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0 0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0 00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	UJ	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0 0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	72-20-8	ENDRIN	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.002	U	0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	72-20-8	ENDRIN	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0018	U	0.0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0018	U	0.0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.00195	U	0.0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0019	U	0 0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.0047		0.004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.001875	U	0.00375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.001775	U	0.00355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00185	U	0.0037	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0018	U	0 0036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0018	U	0 0036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0018	U	0.0036	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0 00175	U	0.0035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00175	U	0.0035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0 00175	U	0.0035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0 00195	U	0.0039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0017	U	0.0034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0021	U	0.0042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0019	U	0.0038	MG/KG	SB16-25-7-9	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.002	U	0 004	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0 0019	U	0.0038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.00195	U	0 0039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0019	U	0.0038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0019	U	0.0038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0019	U	0.0038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	53494-70-5	ENDRIN KETONE	0.0019	U	0.0038	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0 004	U	0.008	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0029	J	0.0018	MG/KG	SB16-21-0-2	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0089	J	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0 00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0 0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	76-44-8	HEPTACHLOR	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	28-SB-21-0-2	10/13/1998

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00205	U	0.0041	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0009	U	0.0018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00095	U	0.0019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00105	U	0.0021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.001	U	0.002	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.00105	U	0.0021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-23-0-2	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	UJ	0.018	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.009	U	0.018	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0105	U	0.021	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0105	U	0.021	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0205	U	0.041	MG/KG	SB16-28-4-6	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.01	U	0.02	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	72-43-5	METHOXYCHLOR	0.0095	U	0.019	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.017	U	0.034	MG/KG	SB16-22-0-2	6/27/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.019	U	0.038	MG/KG	MW16-04S-03-05	6/14/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.019	U	0.038	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.01875	U	0.0375	MG/KG	MW16-07S-05-07	6/19/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE.	0.018	U	0.036	MG/KG	SB16-24-0-2	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.018	U	0.036	MG/KG	SB16-26-2-4	6/23/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.01775	U	0.0355	MG/KG	SB16-27-2-4	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-27-0-2	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.019	U	0.038	MG/KG	SB16-22-6-8	6/27/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-25-0-2	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-26-0-2	6/23/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.095	U	0.19	MG/KG	28-SB-21-0-2	10/13/1998
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.019	U	0.038	MG/KG	MW16-03S-03-05	6/12/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0195	U	0.039	MG/KG	SB16-21-8-10	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0195	U	0.039	MG/KG	SB16-24-7-9	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.02	U	0.04	MG/KG	SB16-23-3-5	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.021	U	0.042	MG/KG	SB16-28-0-2	6/27/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.04	U	0.08	MG/KG	SB16-28-4-6	6/27/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.095	U	0.19	MG/KG	28-SB-19-8-10	10/13/1998
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.019	U	0.038	MG/KG	SB16-25-7-9	6/26/2000
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.1	U	0.2	MG/KG	28-SB-20-8-10	10/13/1998
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.095	U	0.19	MG/KG	28-SB-17-8-10	10/13/1998
TS	PESTICIDES	8001-35-2	TOXAPHENE	0.0175	U	0.035	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	UJ	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.04975	U	0.0995	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.049	U	0.098	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.205	UJ	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.185	UJ	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.19	UJ	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.0485	U	0.097	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.055	U	0.11	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.0495	U	0.099	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.05	U	0.1	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.04925	U	0.0985	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.0475	U	0.095	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.0485	U	0.097	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	UJ	0.4	MG/KG	MW16-03S-03-05	6/12/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0 4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0 35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0 048	U	0.096	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.175	U	0 35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	UJ	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.049	U	0.098	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.04975	U	0.0995	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.205	UJ	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0 4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	UJ	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.185	UJ	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.19	UJ	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.024	U	0.048	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.02275	U	0.0455	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.022	U	0.044	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.0225	U	0.045	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.5	U	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0 465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0 17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.165	UJ	0 33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.0275	U	0.055	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.026	U	0.052	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.02625	U	0.0525	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0 18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	UJ	0.4	MG/KG	MW16-05S-5 0-7 0	5/30/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.028	U	0.056	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.0305	U	0.061	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.02925	U	0.0585	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.0285	U	0.057	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0 4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0 4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	UJ	0 4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.0275	U	0.055	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.02625	U	0.0525	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.026	U	0.052	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.0255	U	0.051	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0 2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 031	U	0.062	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.033	U	0.066	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.0315	U	0.063	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.03	U	0.06	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 49	UJ	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 5	U	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.55	UJ	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.49	UJ	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 45	UJ	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 49	UJ	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0 45	UJ	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	UJ	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	UJ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0 18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0 17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.027	U	0 054	MG/KG	28-SB-21-0-2	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.0295	U	0.059	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.028	U	0.056	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.0275	U	0.055	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0 36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0 2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0 36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	0 18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.046	U	0.092	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.047	U	0.094	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.048	U	0.096	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	UJ	0.4	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0 18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0 17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	U	0 33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.0315	U	0.063	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.02975	U	0.0595	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.0285	U	0.057	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.029	U	0.058	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0 4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0 36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0 18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0 36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0 425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.033	U	0.066	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0 036	U	0 072	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.03425	U	0.0685	MG/KG	28-SB-19-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.0335	U	0.067	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.5	UJ	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.49	U	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	88-74-4	2-NITROANILINE	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0 1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.039	U	0.078	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.043	U	0.086	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.04075	U	0.0815	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.04	U	0 08	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0 18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0 2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.185	U	0 37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	88-75-5	2-NITROPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.0335	U	0.067	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.0365	U	0.073	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.03475	U	0.0695	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.0345	U	0.069	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0 205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0 84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.0285	U	0.057	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.029	U	0.058	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.0315	U	0.063	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.02975	U	0.0595	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.5	UJ	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0 49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0 45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	99-09-2	3-NITROANILINE	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.43	U	0 86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0 42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.0325	U	0.065	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.0355	U	0.071	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.03375	U	0.0675	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.033	U	0.066	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.5	U	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	UJ	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.0245	U	0.049	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.027	U	0.054	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.02575	U	0.0515	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.0255	U	0.051	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	0 18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	UJ / U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.0225	U	0.045	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.023	U	0.046	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.0245	U	0.049	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.0235	U	0.047	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0 18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.185	U	0 37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.165	UJ	0 33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 06	U	0.12	MG/KG	28-SB-20-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.055	U	0.11	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.055	U	0.11	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.055	U	0.11	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.215	UJ	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.205	U	0 41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0 4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0 4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 2	UJ	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.2	UJ	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0 18	UJ	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	0.18	UJ	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.023	U	0.046	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.0235	U	0.047	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.024	U	0.048	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.0255	U	0.051	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0 18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0 2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0 35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0 175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0 165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.0265	U	0.053	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.02525	U	0.0505	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.024	U	0.048	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.0245	U	0.049	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0 4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0 18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0 36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.185	U	0 37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U / UJ	0 84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.0345	U	0.069	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.03275	U	0.0655	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.032	U	0.064	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.5	U	1	MG/KG	EBS-28-SB07-2-4	6/19/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0 98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	UJ	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.47	U	0 94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	UJ	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	UJ	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	100-02-7	4-NITROPHENOL	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.0325	U	0.065	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.035	U	0.07	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.03325	U	0.0665	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.032	U	0.064	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0 2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0 2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0 34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0 036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0 0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0 205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.05	U	0.1	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.055	U	0.11	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.05	U	0.1	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.049	U	0.098	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	UJ	0.4	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.195	U	0 39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0 18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0 18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0 175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	UJ	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.046	U	0.092	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.0495	U	0.099	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.04675	U	0.0935	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.045	U	0.09	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.215	UJ	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	UJ	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	UJ	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.11	J		MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.106	U / J	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.083	J		MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.07	U	0.14	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.07	U	0.14	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.066	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.065	U	0.13	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.065	U	0.13	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.046	J		MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.036	J		MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.04	J		MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.37	U / _	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0 34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.048	U	0.096	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.04575	U	0.0915	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.045	U	0.09	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.044	U	0 088	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0 18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.185	U	0 37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.066	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0 4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.405	J	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0 19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	86-74-8	CARBAZOLE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.0265	U	0.053	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.16	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.0285	U	0.057	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.02675	U	0.0535	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.026	U	0.052	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.195	U	0 39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.18	U	0 36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 18	U	0 36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	132-64-9	DIBENZOFURAN	0 19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.17	U	0 34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.04	J		MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.12	J		MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.057	J		MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.056	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.056	J		MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.05	U	0 1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.049	J		MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.04875	U	0:0975	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.048	U	0.096	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.0465	U	0.093	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.046	J		MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0 043	J		MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.044	J		MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.215	U	0 43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.215	UJ	0 43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.1725	UJ	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0 35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 17	UJ	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	UJ	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	UJ	0 33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.061	J		MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0 4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.215	U	0 43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0 18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.03	U	0.06	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.1725	U	0 345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.033	U	0.066	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.031	U	0.062	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0 0315	U	0.063	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0 18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0 175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.049	U	0.098	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.04625	U	0.0925	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.0445	U	0.089	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.0455	U	0.091	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0 36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.215	U	0 43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.032	U	0.064	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.03025	U	0.0605	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.029	U	0.058	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.03	U	0.06	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0 35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.065	U	0.13	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.065	U	0.13	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.06	U	0.12	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.06	U	0.12	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.0345	U	0.069	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.03275	U	0.0655	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.032	U	0.064	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 18	UJ	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	UJ	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0 2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	UJ	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.0445	U	0.089	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.0475	U	0 095	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.04525	U	0.0905	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.0435	U	0.087	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0 215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.0355	U	0.071	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.03375	U	0 0675	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.033	U	0.066	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.0325	U	0.065	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0 2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0:36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0 36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	78-59-1	ISOPHORONE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0 175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0 34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.033	U	0.066	MG/KG	28-SB-21-0-2	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.036	U	0.072	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.03425	U	0.0685	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.0335	U	0.067	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0 36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0 18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.0315	U	0.063	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.1775	UJ	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.175	UJ	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.1725	UJ	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.032	U	0.064	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.165	UJ	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.0345	U	0.069	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.03275	U	0.0655	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.17	UJ	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	UJ	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	UJ	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.205	UJ	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0 22	UJ	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0 18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.195	UJ	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	UJ	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.185	UJ	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.19	UJ	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	0.195	UJ	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 05	U	0.1	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.048	U	0.096	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.046	U	0.092	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.047	U	0.094	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.215	UJ	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0 18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	98-95-3	NITROBENZENE	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.415	U	0.83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	UJ	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.0205	U	0.041	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.0225	U	0.045	MG/KG	28-SB-20-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.021	U	0.042	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.02125	U	0.0425	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.55	UJ	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.5	UJ	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	UJ	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0 44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	UJ	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	100-01-6	P-NITROANILINE	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U / UJ	0.84	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.425	U	0.85	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.42	U	0.84	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.405	U	0.81	MG/KG	EBS-28-SB03-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.43	U	0.86	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0 83	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.415	U	0.83	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	UJ	0.82	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.0395	U	0.079	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	U	0.82	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.0435	U	0.087	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.04125	U	0.0825	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.0405	U	0.081	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.4325	U	0.865	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.44	U	0.88	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.41	U	0.82	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.5	U	1	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.55	U	1.1	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.435	U	0.87	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.5	U	1	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	MW16-03S-03-05	6/12/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.49	U	0.98	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.475	U	0.95	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.55	U	1.1	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.47	U	0.94	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.465	U	0.93	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	0.45	U	0.9	MG/KG	SB16-27-2-4	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U / UJ	0.35	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.1725	U	0.345	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0 175	U	0 35	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.165	U	0.33	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.175	U	0.35	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0 17	U	0.34	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.17	U	0.34	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.165	U	0.33	MG/KG	SB16-21-0-2	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0 038	U	0.076	MG/KG	28-SB-20-8-10	10/13/1998
TS	SEMIVOLATILES	108-95-2	PHENOL	0.036	U	0.072	MG/KG	28-SB-19-8-10	10/13/1998
TS	SEMIVOLATILES	108-95-2	PHENOL	0.0355	U	0.071	MG/KG	28-SB-17-8-10	10/13/1998
TS	SEMIVOLATILES	108-95-2	PHENOL	0.0345	U	0.069	MG/KG	28-SB-21-0-2	10/13/1998
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.165	UJ	0.33	MG/KG	SB16-22-0-2	6/27/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-24-7-9	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.1775	U	0.355	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.215	U	0.43	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.205	U	0.41	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	UJ	0.4	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-21-8-10	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-22-6-8	6/27/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-23-3-5	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.215	U	0.43	MG/KG	SB16-28-0-2	6/27/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-28-4-6	6/27/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	SB16-25-7-9	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.195	U	0.39	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.195	U	0.39	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.22	U	0.44	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.2	U	0.4	MG/KG	MW16-03S-03-05	6/12/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	MW16-04S-03-05	6/14/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.19	U	0.38	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-27-2-4	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	MW16-07S-05-07	6/19/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-26-2-4	6/23/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-27-0-2	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-26-0-2	6/23/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0 36	MG/KG	SB16-25-0-2	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-23-0-2	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.18	U	0.36	MG/KG	SB16-24-0-2	6/26/2000
TS	SEMIVOLATILES	108-95-2	PHENOL	0.185	U	0.37	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0 005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0 005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0 005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ / U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0 0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	UJ / U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.16	UJ	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	UJ	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.0025	U	0.005	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.0025	U	0.005	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	78-93-3	2-BUTANONE	0.0025	U	0.005	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	78-93-3	2-BUTANONE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.008	UJ	0.016	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0 01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.315	U	0.63	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.012		0.01	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.011		0.01	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.01		0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.0085	U / _	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.3325	UJ	0.665	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.007	J	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.0055	U	0.011	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0 005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.01		0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	78-93-3	2-BUTANONE	0.005	UJ	0.01	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0 005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U / UJ	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.0025	U	0.005	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	591-78-6	2-HEXANONE	0.0025	U	0.005	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	591-78-6	2-HEXANONE	0.0025	U	0.005	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	591-78-6	2-HEXANONE	0.002	U	0.004	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.008	UJ	0.016	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.315	U	0.63	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.0055	UJ	0.011	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ / U	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	UJ	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.3325	U	0.665	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0 005	UJ	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	591-78-6	2-HEXANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.0025	U	0.005	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.003	U	0.006	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.003	U	0.006	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.003	U	0.006	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	UJ	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.315	UJ	0.63	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.008	UJ	0.016	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.0055	U	0.011	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.3325	U	0.665	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	EB	0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	67-64-1	ACETONE	0.005	UJ	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	67-64-1	ACETONE	0.005	EB	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	EB	0.01	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	67-64-1	ACETONE	0.008		0.01	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.008	J	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.015	J	0.01	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.016	J	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	67-64-1	ACETONE	0.005	EB	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	67-64-1	ACETONE	0.0015	U	0.003	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	67-64-1	ACETONE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	67-64-1	ACETONE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	67-64-1	ACETONE	0.0015	U	0.003	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	67-64-1	ACETONE	0.019	J	0.01	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.0015	U	0.003	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	67-64-1	ACETONE	1.3	J	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.0185	J	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.018	J	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	75	J	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	15	J	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	4.4	J	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	3.7	J	0 01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	2	J	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.885	J	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.88	J	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.57	J	0.63	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	67-64-1	ACETONE	0.47	J	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.3325	EB	0.665	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	67-64-1	ACETONE	0.024	J	0.011	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	67-64-1	ACETONE	0 02		0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	3	J	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.022	J	0.016	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.22		0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	67-64-1	ACETONE	0.0245	_ / J	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.025	J	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	67-64-1	ACETONE	0.025		0.01	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.033		0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	67-64-1	ACETONE	0.039	J	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	67-64-1	ACETONE	0.063	J	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.15	J	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	67-64-1	ACETONE	0.15	J	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	67-64-1	ACETONE	0.19		0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	71-43-2	BENZENE	0 0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0 0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0 005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	71-43-2	BENZENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	71-43-2	BENZENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	71-43-2	BENZENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	71-43-2	BENZENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	71-43-2	BENZENE	0.034	J	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	71-43-2	BENZENE	0.008	J	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	71-43-2	BENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.003	U	0 006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0 005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0 005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-25-2	BROMOFORM	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-25-2	BROMOFORM	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.1675	U	0 335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0 01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0 005	U	0 01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-25-2	BROMOFORM	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0 0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0 005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0 005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0 0025	UJ	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0 005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0015	U	0.003	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	74-83-9	BROMOMETHANE	0 0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.002	U	0.004	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0015	U	0 003	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	74-83-9	BROMOMETHANE	0 0015	U	0.003	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.0025	UJ	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	74-83-9	BROMOMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.003	U	0 006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.004		0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0 01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.004	UJ	0 008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0 005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0 005	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	UJ	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.001	U	0 002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.011		0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 005	U	0 01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0 01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0 005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0 01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-15-0	CARBON DISULFIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0 005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	UJ	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0 005	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0 005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	108-90-7	CHLOROBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-00-3	CHLOROETHANE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0 0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0 005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-00-3	CHLOROETHANE	0 0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0 005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-00-3	CHLOROETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0 01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0 005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0 005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.004	UJ	0 008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0 005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	67-66-3	CHLOROFORM	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	67-66-3	CHLOROFORM	0 0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0 01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0 01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0 005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0 005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0 005	U	0 01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	67-66-3	CHLOROFORM	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0 005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0 005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0 004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0 0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-24-7-9	6/26/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.0025	UJ	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	74-87-3	CHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 1675	U	0 335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.16	U	0 32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 0005	U	0 001	MG/KG	28-SB-19-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0 01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0 01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0 0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0 005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.35		0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0 005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	100-41-4	ETHYLBENZENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0 005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	MPXYLENES	M,P-XYLENES	0.62		0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.003	J	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.003	UJ	0.006	MG/KG	SB16-28-0-2	6/27/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.00325	UJ / J	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.004	J	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.004	J	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0045	J / U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 0025	UJ	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.21	J	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 0025	UJ	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0 005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.0025	UJ	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.007	J	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 0025	UJ	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	95-47-6	O-XYLENE	0 0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	95-47-6	O-XYLENE	0 0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0 005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0 0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	95-47-6	O-XYLENE	0 004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	95-47-6	O-XYLENE	0 29		0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	95-47-6	O-XYLENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0 003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	100-42-5	STYRENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0 005	MG/KG	MW16-05S-5.0-7 0	5/30/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	100-42-5	STYRENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	100-42-5	STYRENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	100-42-5	STYRENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	100-42-5	STYRENE	0.005	UJ	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	100-42-5	STYRENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	100-42-5	STYRENE	0 16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	100-42-5	STYRENE	0 005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	100-42-5	STYRENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0 005	UJ	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	127-18-4	TETRACHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0 005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	108-88-3	TOLUENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	108-88-3	TOLUENE	0.004	UJ	0 008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0 005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	108-88-3	TOLUENE	0 0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	108-88-3	TOLUENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	108-88-3	TOLUENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	108-88-3	TOLUENE	0.0005	U	0 001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	108-88-3	TOLUENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	108-88-3	TOLUENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	108-88-3	TOLUENE	0.006	J	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.17		0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	108-88-3	TOLUENE	0 005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0 005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0 005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0 01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	UJ	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0 01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	108-88-3	TOLUENE	0 005	U	0 01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	108-88-3	TOLUENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-05S-5 0-7.0	5/30/2000

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0 005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	UJ	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0 005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U / UJ	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 0025	U	0 005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.003	UJ	0 006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	UJ	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.0025	UJ / U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0 01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0 01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.004	UJ	0.008	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-0-2	6/23/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-04S-03-05	6/14/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.003	U	0.006	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 0025	U	0.005	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-05S-5.0-7.0	5/30/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0005	U	0.001	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.0025	U	0.005	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.16	U	0.32	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.1675	U	0.335	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0 01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0 01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0 005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	79-01-6	TRICHLOROETHENE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-27-2-4	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	SB16-24-7-9	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	MW16-03S-03-05	6/12/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-26-2-4	6/23/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0 001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-22-6-8	6/27/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-24-0-2	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-25-7-9	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-21-8-10	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.3325	U	0.665	MG/KG	MW16-07S-05-07	6/19/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.315	U	0.63	MG/KG	SB16-28-4-6	6/27/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.008	UJ	0.016	MG/KG	SB16-23-3-5	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.0055	U	0.011	MG/KG	SB16-28-0-2	6/27/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-25-0-2	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-22-0-2	6/27/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-21-0-2	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-27-0-2	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-26-0-2	6/23/2000

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB04-2-4	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	MW16-04S-03-05	6/14/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	SB16-23-0-2	6/26/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0 01	MG/KG	MW16-05S-5 0-7.0	5/30/2000
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0 005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	75-01-4	VINYL CHLORIDE	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB13-0-2	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	UJ	0 01	MG/KG	EBS-28-SB06-0-2	6/17/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB12-0-2	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB07-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB02-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB09-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB10-0-2	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB01-0-2	6/17/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB14-0-2	6/20/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB15-0-2	6/23/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB16-0-2	6/24/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB11-0-2	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB05-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB11-2-4	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SS-01	7/1/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0 01	MG/KG	EBS-28-SB05-6-8	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.001	U	0.002	MG/KG	28-SB-17-8-10	10/13/1998
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB13-2-4	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB10-4-6	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB09-2-4	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB08-2-4	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB12-6-8	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB06-8-10	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB04-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB04-2-4	6/18/1997

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB03-6-8	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB01-8-10	6/17/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB02-8-10	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB08-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB03-0-2	6/18/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.005	U	0.01	MG/KG	EBS-28-SB07-2-4	6/19/1997
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.001	U	0.002	MG/KG	28-SB-20-8-10	10/13/1998
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.001	U	0.002	MG/KG	28-SB-21-0-2	10/13/1998
TS	VOLATILE	1330-20-7	XYLENES (TOTAL)	0.001	U	0.002	MG/KG	28-SB-19-8-10	10/13/1998
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7429-90-5	ALUMINUM	2780		300	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	3280	J	300	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7429-90-5	ALUMINUM	2710		300	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7429-90-5	ALUMINUM	2600	J	300	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7429-90-5	ALUMINUM	2420	J	300	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	1060		300	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7429-90-5	ALUMINUM	935	J	300	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7429-90-5	ALUMINUM	827.5		300	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7429-90-5	ALUMINUM	777	J	300	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7429-90-5	ALUMINUM	681.5		300	UG/L	MW16-25R	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7429-90-5	ALUMINUM	3360	J	300	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7429-90-5	ALUMINUM	150	U	300	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7429-90-5	ALUMINUM	413		300	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7429-90-5	ALUMINUM	547		300	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-24D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-36-0	ANTIMONY	4	U	8	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-38-2	ARSENIC	2.8	J	8	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-38-2	ARSENIC	2.8	J	8	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-21D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-38-2	ARSENIC	4	U	8	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	8 9		5	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-39-3	BARIUM	9		5	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	9.9		5	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	10.6		5	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	10.7		5	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-39-3	BARIUM	10.7		5	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-39-3	BARIUM	8.8		5	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-39-3	BARIUM	11.9		5	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	7		5	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	10 8		5	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	8.2		5	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-39-3	BARIUM	8.1		5	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	8		5	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	7.9		5	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-39-3	BARIUM	3.2		5	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	7 1		5	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	6.6		5	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	5.45		5	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	12.3		5	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	4.75		5	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	7.9		5	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	28.7		5	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-39-3	BARIUM	13.5		5	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-39-3	BARIUM	253		5	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-39-3	BARIUM	53.3		5	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	47.3		5	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	29.4		5	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-39-3	BARIUM	923 5		5	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-39-3	BARIUM	27.9		5	UG/L	MW16-14D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-39-3	BARIUM	27.1		5	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-39-3	BARIUM	26.8		5	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-39-3	BARIUM	13.7		5	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	22.7		5	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-39-3	BARIUM	22.5		5	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-39-3	BARIUM	20.7		5	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	18.3		5	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-39-3	BARIUM	18		5	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-39-3	BARIUM	17.1		5	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-39-3	BARIUM	16.7		5	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-39-3	BARIUM	24.1		5	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	33.6		5	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-39-3	BARIUM	13.6		5	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	1.34	U / J	5	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-16D	3/26/2001

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-41-7	BERYLLIUM	2 5	U	5	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2 5	U	5	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-41-7	BERYLLIUM	2.5	U	5	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	0.31		10	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-18D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-43-9	CADMIUM	5	U	10	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	7950		50	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	7960	J	50	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8230		50	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8585		50	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8770		50	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8820		50	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	7580		50	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8920		50	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	5850		50	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8860	J	50	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	7100		50	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	6960		50	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	6910		50	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	6650		50	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	4910		50	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	6530		50	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	5420		50	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	4925	J	50	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	9310	J	50	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	9440	J	50	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	6610	J	50	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	280000		500	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	8980		50	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	534000		500	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	151000	J	50	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	66400	J	50	UG/L	MW16-04S	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-70-2	CALCIUM METAL	27000		50	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	25400	J	50	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	25400		50	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	24700	J	50	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	21800	J	50	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	17700		50	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	9480		50	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	15800		50	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	15500		50	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	11000		50	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	10800		50	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	10600	J	50	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	10200	J	50	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	9880		50	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	9510		50	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-70-2	CALCIUM METAL	16500	J	50	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	1.9		15	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-47-3	CHROMIUM	2.3		15	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-47-3	CHROMIUM	3.2		15	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-47-3	CHROMIUM	3.2		15	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	3 2		15	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	3.3		15	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-47-3	CHROMIUM	1.6		15	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-47-3	CHROMIUM	4.4		15	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.76	J	15	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	4.09	U / J	15	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	1.3		15	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	1.2		15	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-47-3	CHROMIUM	1	J	15	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.97	J	15	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.63	J	15	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.85	J	15	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.73	J	15	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.65	J	15	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-47-3	CHROMIUM	4.9		15	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.63	J	15	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-47-3	CHROMIUM	0.86	J	15	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5		15	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	5.1		15	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-08D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-47-3	CHROMIUM	7.5	U	15	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	1.9		30	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	1.9		30	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-48-4	COBALT	2.3		30	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-48-4	COBALT	2.4		30	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	2.6		30	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-48-4	COBALT	2.7		30	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	2.7		30	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-48-4	COBALT	3.6		30	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-48-4	COBALT	1 8	J	30	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-48-4	COBALT	2.8		30	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	1.7	J	30	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	1.7	J	30	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	1.6	J	30	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	1.4	J	30	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-48-4	COBALT	1.3	J	30	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	1.2	J	30	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	1.2	J	30	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-48-4	COBALT	3.6		30	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-48-4	COBALT	1 1	J	30	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	1.1	J	30	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	3.7		30	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-27R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	5.15		30	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-48-4	COBALT	3.8		30	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	5.2		30	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-48-4	COBALT	5 4		30	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-48-4	COBALT	8 1	U / J	30	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-48-4	COBALT	15	U	30	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-50-8	COPPER	12 5	U	25	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-50-8	COPPER	12 5	U	25	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-50-8	COPPER	6.685	J / U	25	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	2.4		25	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-50-8	COPPER	1.6	J	25	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-50-8	COPPER	1.65	_ / J	25	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-50-8	COPPER	12 5	U	25	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-02S	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-50-8	COPPER	12 5	U	25	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-50-8	COPPER	12 5	U	25	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-50-8	COPPER	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	1760		100	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	3220	J	100	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7439-89-6	IRON	2770		100	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7439-89-6	IRON	2760		100	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7439-89-6	IRON	2505		100	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	2400	J	100	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7439-89-6	IRON	2300		100	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7439-89-6	IRON	2100		100	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7439-89-6	IRON	3700		100	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	1730		100	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7439-89-6	IRON	1720		100	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	897		100	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	581	J	100	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7439-89-6	IRON	470	J	100	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7439-89-6	IRON	103		100	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	69	J	100	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7439-89-6	IRON	50	U	100	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7439-89-6	IRON	50	U	100	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7439-89-6	IRON	2140		100	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7439-89-6	IRON	4070		100	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	19050	J	100	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7439-89-6	IRON	27700	J	100	UG/L	MW16-04S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7439-89-6	IRON	16600		100	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	15600		100	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7439-89-6	IRON	15000	J	100	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7439-89-6	IRON	11300		100	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	10400	J	100	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7439-89-6	IRON	9590		100	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7439-89-6	IRON	8400		100	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7439-89-6	IRON	8340		100	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7439-89-6	IRON	2060		100	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7439-89-6	IRON	4350		100	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	27800	J	100	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7439-89-6	IRON	8020		100	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	7480		100	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7439-89-6	IRON	6280	J	100	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7439-89-6	IRON	5720		100	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7439-89-6	IRON	5670		100	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7439-89-6	IRON	4970	J	100	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7439-89-6	IRON	4445		100	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7439-89-6	IRON	4140	J	100	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7439-89-6	IRON	8170	J	100	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	UJ	5	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2 5	U	5	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7439-92-1	LEAD	2 5	U	5	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	UJ	5	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7439-92-1	LEAD	1.7	J	5	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7439-92-1	LEAD	2.4	J	5	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2.3	J	5	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7439-92-1	LEAD	2.3	J	5	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7439-92-1	LEAD	2	J	5	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7439-92-1	LEAD	1.9	J	5	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7439-92-1	LEAD	1.7	J	5	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	1.7	J	5	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	1.6	J	5	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7439-92-1	LEAD	2	J	5	UG/L	MW16-07D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7439-92-1	LEAD	3.8		5	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7439-92-1	LEAD	51.25	J	5	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	3.6		5	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	3.25	J / _	5	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7439-92-1	LEAD	2.95	J / _	5	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7439-92-1	LEAD	2.8	J	5	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7439-92-1	LEAD	2.65	J	5	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7439-92-1	LEAD	2 5	UJ	5	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7439-92-1	LEAD	2.5	U	5	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2490		50	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2550		50	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2640		50	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2660		50	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2750		50	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2750		50	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2420		50	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2890		50	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2060		50	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2880		50	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2390		50	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2360		50	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2260		50	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2220		50	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	1290		50	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2140		50	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2050		50	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	1865		50	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	1840		50	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	2920		50	UG/L	MW16-18D	3/28/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7439-95-4	MAGNESIUM	2210		50	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	66500		50	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3040		50	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	146000		50	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	14150		50	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	9520		50	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	8800		50	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	6750		50	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	5740		50	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	5580		50	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	5500		50	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	4560		50	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3065		50	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3860		50	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3660		50	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3515		50	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3450		50	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3320		50	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3260		50	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3230		50	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	3170		50	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7439-95-4	MAGNESIUM	4520		50	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	230		5	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	231		5	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7439-96-5	MANGANESE	236		5	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	251	J	5	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7439-96-5	MANGANESE	259		5	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	280		5	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	206		5	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	313		5	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	111.5	J	5	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7439-96-5	MANGANESE	291		5	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7439-96-5	MANGANESE	187		5	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	184		5	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	180	J	5	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	155		5	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	5270		5	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	130	J	5	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7439-96-5	MANGANESE	64.6		5	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	49.6		5	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7439-96-5	MANGANESE	424	J	5	UG/L	MW16-14D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7439-96-5	MANGANESE	430		5	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	145		5	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	712		5	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	329	J	5	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7439-96-5	MANGANESE	1.5		5	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7439-96-5	MANGANESE	1350	J	5	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	1240	J	5	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	887		5	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7439-96-5	MANGANESE	733	J	5	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	2800		5	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	711	J	5	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7439-96-5	MANGANESE	571		5	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7439-96-5	MANGANESE	570	J	5	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7439-96-5	MANGANESE	435	J	5	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7439-96-5	MANGANESE	531	J	5	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7439-96-5	MANGANESE	526		5	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7439-96-5	MANGANESE	493		5	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7439-96-5	MANGANESE	472		5	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7439-96-5	MANGANESE	468		5	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	464		5	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7439-96-5	MANGANESE	457		5	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7439-96-5	MANGANESE	540.5	J	5	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7439-96-5	MANGANESE	801		5	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0 2	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0 2	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-18D	3/28/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0 2	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0 1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7439-97-6	MERCURY (INORGANIC)	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	2.3		40	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-02-0	NICKEL	4.3		40	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	3.9		40	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-02-0	NICKEL	3.5		40	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-02-0	NICKEL	3.45		40	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	2.8		40	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-02-0	NICKEL	2.7		40	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-02-0	NICKEL	2.4		40	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-02-0	NICKEL	2.4		40	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	4.1		40	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	2.2		40	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	2		40	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	1.85		40	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	1.7		40	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	1.7		40	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-02-0	NICKEL	1 6		40	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-02-0	NICKEL	1.5		40	UG/L	MW16-04S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-02-0	NICKEL	1.5		40	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	1.4	J	40	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	1.1	J	40	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-02-0	NICKEL	1.2	J	40	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	5.1		40	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-02-0	NICKEL	9.6		40	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-02-0	NICKEL	7.8		40	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-02-0	NICKEL	7		40	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-02-0	NICKEL	6.4		40	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-02-0	NICKEL	5.7		40	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-02-0	NICKEL	4.4		40	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-02-0	NICKEL	20	U	40	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2310		1000	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2370		1000	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2380		1000	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2410		1000	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2420		1000	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2500		1000	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2290		1000	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2670		1000	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1570		1000	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2560		1000	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2200		1000	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2140		1000	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2000		1000	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1790		1000	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1610		1000	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1560		1000	UG/L	MW16-19D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	9/7/7440	POTASSIUM	1360		1000	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2810		1000	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2930		1000	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1730		1000	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	9/7/7440	POTASSIUM	5770		1000	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	9/7/7440	POTASSIUM	33100		10000	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	2670		1000	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	9/7/7440	POTASSIUM	1350		1000	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	10900		1000	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	9/7/7440	POTASSIUM	7410		1000	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	6990		1000	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	9/7/7440	POTASSIUM	14800		1000	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	5720		1000	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	9/7/7440	POTASSIUM	5700		1000	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	5540		1000	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	3510		1000	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	4680		1000	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	9/7/7440	POTASSIUM	4670		1000	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	9/7/7440	POTASSIUM	4550		1000	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	9/7/7440	POTASSIUM	4420		1000	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	9/7/7440	POTASSIUM	3910		1000	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	3830		1000	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	9/7/7440	POTASSIUM	3570		1000	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	9/7/7440	POTASSIUM	5360		1000	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	7400		1000	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	9/7/7440	POTASSIUM	3220		1000	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-09D	3/26/2001

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DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	3.5	J	10	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	4.25	U / J	10	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7782-49-2	SELENIUM	5	U	10	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-22-4	SILVER	1.2	J	15	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-22D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-22-4	SILVER	1.2	J	15	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-22-4	SILVER	7.5	U	15	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-23-5	SODIUM	11600		1000	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-23-5	SODIUM	11700	J	1000	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-23-5	SODIUM	11700		1000	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	11700		1000	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	12300		1000	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	12400		1000	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-23-5	SODIUM	11200		1000	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	13500		1000	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	9860	J	1000	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-23-5	SODIUM	12500		1000	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	11200	J	1000	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-23-5	SODIUM	10800		1000	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	10700		1000	UG/L	MW16-02D	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-23-5	SODIUM	10700		1000	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	9990		1000	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	9350	J	1000	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-23-5	SODIUM	9130	J	1000	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-23-5	SODIUM	15200		1000	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	15400		1000	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-23-5	SODIUM	10400		1000	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-23-5	SODIUM	938000		10000	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	15200		1000	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-23-5	SODIUM	1880000		10000	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	4840	J	1000	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-23-5	SODIUM	137000		1000	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	99800		1000	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-23-5	SODIUM	68700		1000	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-23-5	SODIUM	54000	J	1000	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-23-5	SODIUM	48200		1000	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	47700		1000	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-23-5	SODIUM	44500	J	1000	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-23-5	SODIUM	30100	J	1000	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-23-5	SODIUM	16450	J	1000	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-23-5	SODIUM	28600		1000	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	25200	J	1000	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-23-5	SODIUM	24500	J	1000	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-23-5	SODIUM	23500		1000	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-23-5	SODIUM	20500	J	1000	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-23-5	SODIUM	20200	J	1000	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-23-5	SODIUM	19500		1000	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-23-5	SODIUM	19400		1000	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-23-5	SODIUM	29600		1000	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-17D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-28-0	THALLIUM	7 5	U	15	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7 5	U	15	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7.5	U	15	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-28-0	THALLIUM	7 5	U	15	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-28-0	THALLIUM	7 5	U	15	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	3.6		25	UG/L	MW16-18D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-62-2	VANADIUM	6.54	U / J	25	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	6.2		25	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	4.9		25	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-62-2	VANADIUM	4.7		25	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	4.2		25	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-62-2	VANADIUM	4 2		25	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-62-2	VANADIUM	2		25	UG/L	MW16-13D	3/26/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-62-2	VANADIUM	1.7		25	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-62-2	VANADIUM	1.6		25	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	1.3		25	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-62-2	VANADIUM	1.3		25	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	1.1		25	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-62-2	VANADIUM	0.85	J	25	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-62-2	VANADIUM	0.81	J	25	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	0.53	J	25	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	0.63	J	25	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-62-2	VANADIUM	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-66-6	ZINC	5.4		25	UG/L	MW16-04D	3/22/2001
WG	INORGANIC	7440-66-6	ZINC	6.2		25	UG/L	MW16-24D	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	6.5		25	UG/L	MW16-27D	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	6.8		25	UG/L	MW16-08D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	7		25	UG/L	MW16-22D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	7.3	J	25	UG/L	MW16-09D	3/26/2001
WG	INORGANIC	7440-66-6	ZINC	5.1		25	UG/L	MW16-05S	3/21/2001
WG	INORGANIC	7440-66-6	ZINC	7.8		25	UG/L	MW16-20D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	3.2		25	UG/L	MW16-29D	3/21/2001
WG	INORGANIC	7440-66-6	ZINC	7.3		25	UG/L	MW16-04S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	INORGANIC	7440-66-6	ZINC	5	J	25	UG/L	MW16-10R	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	5		25	UG/L	MW16-06S	3/22/2001
WG	INORGANIC	7440-66-6	ZINC	4		25	UG/L	MW16-03D	3/22/2001
WG	INORGANIC	7440-66-6	ZINC	3.9		25	UG/L	MW16-27R	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	3.65		25	UG/L	MW16-05D	3/22/2001
WG	INORGANIC	7440-66-6	ZINC	3.1		25	UG/L	MW16-26D	3/21/2001
WG	INORGANIC	7440-66-6	ZINC	2.5		25	UG/L	MW16-12D	3/23/2001
WG	INORGANIC	7440-66-6	ZINC	8.55	J	25	UG/L	MW16-10D	3/26/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	INORGANIC	7440-66-6	ZINC	3.8		25	UG/L	MW16-19D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	36.35	J	25	UG/L	MW16-25R	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	10.3	J	25	UG/L	MW16-11D	3/26/2001
WG	INORGANIC	7440-66-6	ZINC	162		25	UG/L	MW16-28R	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	12.4	J	25	UG/L	MW16-15R	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	36.1		25	UG/L	MW16-02R	3/29/2001
WG	INORGANIC	7440-66-6	ZINC	21.2		25	UG/L	MW16-17D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	20.8		25	UG/L	MW16-01D	3/29/2001
WG	INORGANIC	7440-66-6	ZINC	19 75		25	UG/L	MW16-07S	3/23/2001
WG	INORGANIC	7440-66-6	ZINC	19		25	UG/L	MW16-07D	3/23/2001
WG	INORGANIC	7440-66-6	ZINC	18.3		25	UG/L	MW16-23D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	17 6		25	UG/L	MW16-14D	3/23/2001
WG	INORGANIC	7440-66-6	ZINC	17.2	J	25	UG/L	MW16-15D	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	1.8		25	UG/L	MW16-06D	3/22/2001
WG	INORGANIC	7440-66-6	ZINC	14.3	J	25	UG/L	MW16-13D	3/26/2001
WG	INORGANIC	7440-66-6	ZINC	13.2	J	25	UG/L	MW16-16D	3/26/2001
WG	INORGANIC	7440-66-6	ZINC	12 7		25	UG/L	MW16-21D	3/28/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	UJ	25	UG/L	MW16-25D	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	INORGANIC	7440-66-6	ZINC	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	INORGANIC	7440-66-6	ZINC	14.3		25	UG/L	MW16-18D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0 2	UG/L	MW16-28D	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.55	UJ / U	1 1	UG/L	MW16-07S	3/23/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0 2	UG/L	MW16-10D	3/26/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0 1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0 2	UG/L	MW16-04S	3/21/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	91-57-6	2-METHYLNAPHTHALENE	0.1	U	0 2	UG/L	MW16-05D	3/22/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0 2	UG/L	MW16-28R	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0 2	UG/L	MW16-15D	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0 1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0 2	UG/L	MW16-19D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0 1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1		0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	83-32-9	ACENAPHTHENE	0 1	U	0 2	UG/L	MW16-03D	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-28R	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	MW16-02D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-11D	3/26/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-23D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-15D	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-02R	3/29/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0 2	UG/L	MW16-10R	3/27/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	208-96-8	ACENAPHTHYLENE	0 1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-01S	3/29/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-02R	3/29/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	120-12-7	ANTHRACENE	0 1	U	0 2	UG/L	MW16-29D	3/21/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	120-12-7	ANTHRACENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-22D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-19D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-15R	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0 2	UG/L	MW16-20D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0 1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	120-12-7	ANTHRACENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	120-12-7	ANTHRACENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0 1	U	0.2	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0 1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	56-55-3	BENZ[A]ANTHRACENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-28R	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0 1	U	0 2	UG/L	MW16-29D	3/21/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-16D	3/26/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U / UJ	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-05S	3/21/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-14D	3/23/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0 1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0 1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-02D	3/29/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0 2	UG/L	MW16-05D	3/22/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	50-32-8	BENZO[A]PYRENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U / UJ	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 1	UJ	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0 1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	205-99-2	BENZO[B]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-07D	3/23/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U / UJ	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-14D	3/23/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-01D	3/29/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-18D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-24D	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0 1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0 2	UG/L	MW16-27D	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	191-24-2	BENZO[G,H,I]PERYLENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0 2	UG/L	MW16-16D	3/26/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	207-08-9	BENZO[K]FLUORANTHENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0 2	UG/L	MW16-05D	3/22/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	218-01-9	CHRYSENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	218-01-9	CHRYSENE	0 1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0 2	UG/L	MW16-26D	3/21/2001
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	218-01-9	CHRYSENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-26D	3/21/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-27R	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0 1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-15R	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U / UJ	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-11D	3/26/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-06S	3/22/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0 2	UG/L	MW16-02R	3/29/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	53-70-3	DIBENZ[A,H]ANTHRACENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	206-44-0	FLUORANTHENE	0 75	J	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	206-44-0	FLUORANTHENE	0 1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0 1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0 1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0 2	UG/L	MW16-10D	3/26/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0 2	UG/L	MW16-06S	3/22/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	206-44-0	FLUORANTHENE	0.1		0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	86-73-7	FLUORENE	0.1	UJ	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	86-73-7	FLUORENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	86-73-7	FLUORENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	86-73-7	FLUORENE	0.1		0.2	UG/L	MW16-04S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0 2	UG/L	MW16-05S	3/21/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	86-73-7	FLUORENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-28R	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-24D	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-22D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-15R	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U / UJ	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-17D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	UJ	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	UJ	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-02D	3/29/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0 2	UG/L	MW16-01D	3/29/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	193-39-5	INDENO[1,2,3-C,D]PYRENE	0.1	UJ	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-02D	3/29/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1		0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	91-20-3	NAPHTHALENE	0 1	U	0 2	UG/L	MW16-28R	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0 2	UG/L	MW16-05D	3/22/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0 2	UG/L	MW16-14D	3/23/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1		0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.55	U / UJ	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.2	J	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	91-20-3	NAPHTHALENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1		0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-02R	3/29/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-07D	3/23/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-08D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-10D	3/26/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-29D	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-12D	3/23/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-14D	3/23/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.06		0 2	UG/L	MW16-10R	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-05S	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0 1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-13D	3/26/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-20D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-25R	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0 1	U	0 2	UG/L	MW16-25D	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0.2	UG/L	MW16-23D	3/28/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-02D	3/29/2001
WG	PAHS	85-01-8	PHENANTHRENE	0.1	U	0 2	UG/L	MW16-21D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0 2	UG/L	MW16-05S	3/21/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-03D	3/22/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0 2	UG/L	MW16-02R	3/29/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-15D	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-27D	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0 2	UG/L	MW16-02D	3/29/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-01S	3/29/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-03S	3/21/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-04S	3/21/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-29D	3/21/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-06D	3/22/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-06S	3/22/2001
WG	PAHS	129-00-0	PYRENE	0.1	UJ	0 2	UG/L	MW16-12D	3/23/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-08D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-09D	3/26/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0 2	UG/L	MW16-10D	3/26/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-10R	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-11D	3/26/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-14D	3/23/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-07D	3/23/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-13D	3/26/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-17D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0 2	UG/L	MW16-23D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-28R	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-05D	3/22/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-16D	3/26/2001
WG	PAHS	129-00-0	PYRENE	0.55	UJ / U	1.1	UG/L	MW16-07S	3/23/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-18D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-19D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-20D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-22D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-15R	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-24D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-28D	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-25R	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-26D	3/21/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-27R	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-21D	3/28/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-25D	3/27/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-01D	3/29/2001
WG	PAHS	129-00-0	PYRENE	0.1	U	0.2	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0 05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-14D	3/23/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	309-00-2	ALDRIN	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-05S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	5103-71-9	ALPHA-CHLORDANE	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0 05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0 05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0 05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0 05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0 05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	319-84-6	ALPHA-HCH	0 025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0 025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0 05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.011		0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-10R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0 05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	319-85-7	BETA-HCH	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0 1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0 1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	72-54-8	DDD	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0 1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-15R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0 1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0 1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	72-54-8	DDD	0.05	UJ	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	72-54-8	DDD	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0 1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.055	U	0.11	UG/L	MW16-22D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	72-55-9	DDE	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	50-29-3	DDT	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-10R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	50-29-3	DDT	0.05	U	0 1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	50-29-3	DDT	0.05	UJ	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	50-29-3	DDT	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0 05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0 05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0 05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-05D	3/22/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0 025	U	0 05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	319-86-8	DELTA-BHC	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-04D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0 1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0 1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0 1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0 1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	60-57-1	DIELDRIN	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0 05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0 05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0 025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	UJ	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0 05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	959-98-8	ENDOSULFAN I	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0 1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-01D	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.055	U	0 11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	UJ	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	33213-65-9	ENDOSULFAN II	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0 1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-17D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	1031-07-8	ENDOSULFAN SULFATE	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-10R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	72-20-8	ENDRIN	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	72-20-8	ENDRIN	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-29D	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ / U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	UJ	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0 1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0 05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0 05	UJ	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	7421-93-4	ENDRIN ALDEHYDE	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-29D	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.055	U	0.11	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0 1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.055	U	0.11	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	53494-70-5	ENDRIN KETONE	0.05	U	0.1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-01S	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.004	J	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	5103-74-2	GAMMA-CHLORDANE	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-14D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0 05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	58-89-9	GAMMA-HCH (LINDANE)	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-01D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0 05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	76-44-8	HEPTACHLOR	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-15R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0 05	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0265	U	0.053	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0265	U	0.053	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0255	U	0.051	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.0255	U	0.051	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	1024-57-3	HEPTACHLOR EPOXIDE	0.025	U	0.05	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.265	U	0 53	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0 5	UG/L	MW16-11D	3/26/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-09D	3/26/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0 5	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-13D	3/26/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.265	U	0.53	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.255	U	0.51	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.255	UJ	0.51	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0 5	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	UJ	0.5	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	72-43-5	METHOXYCHLOR	0.25	U	0.5	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-24D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-15R	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-13D	3/26/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.55	U	1.1	UG/L	MW16-22D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.55	U	1.1	UG/L	MW16-02D	3/29/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-29D	3/21/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	PESTICIDES	8001-35-2	TOXAPHENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-21D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	120-82-1	1,2,4-TRICHLOROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	95-50-1	1,2-DICHLOROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-18D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	541-73-1	1,3-DICHLOROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001

ATTACHMENT A
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	2	J	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	106-46-7	1,4-DICHLOROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-12D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12 5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	95-95-4	2,4,5-TRICHLOROPHENOL	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	88-06-2	2,4,6-TRICHLOROPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	120-83-2	2,4-DICHLOROPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	105-67-9	2,4-DIMETHYLPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	14	UJ	28	UG/L	MW16-19D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12 5	UJ	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	51-28-5	2,4-DINITROPHENOL	12.5	UJ	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5.5	U	11	UG/L	MW16-19D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	121-14-2	2,4-DINITROTOLUENE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-22D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	606-20-2	2,6-DINITROTOLUENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	95-57-8	2-CHLOROPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	95-48-7	2-METHYLPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	UJ	25	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-08D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	88-74-4	2-NITROANILINE	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	88-75-5	2-NITROPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-07D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	91-94-1	3,3-DICHLOROBENZIDINE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-13D	3/26/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	14	UJ	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	99-09-2	3-NITROANILINE	12.5	UJ	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-07D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	534-52-1	4,6-DINITRO-2-METHYLPHENOL	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-21D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	101-55-3	4-BROMOPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	59-50-7	4-CHLORO-3-METHYLPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-25D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	106-47-8	4-CHLOROANILINE	5	UJ	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-07D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-22D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	106-44-5	4-METHYLPHENOL	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12 5	U	25	UG/L	MW16-02D	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	100-02-7	4-NITROPHENOL	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-25D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	91-58-7	BETA-CHLORONAPHTHALENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-07D	3/23/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-03S	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	111-44-4	BIS(2-CHLOROETHYL)ETHER	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-23D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5		10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5		10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	7		10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10		10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	11.5	UJ / J	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	85-68-7	BUTYLBENZYLPHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	86-74-8	CARBAZOLE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-05D	3/22/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	132-64-9	DIBENZOFURAN	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.9		11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	0.6		10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	84-74-2	DIBUTYLPHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	84-66-2	DIETHYLPHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	131-11-3	DIMETHYLPHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-02S	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	117-84-0	DIOCTYLPHTHALATE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	118-74-1	HEXACHLOROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-03S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	87-68-3	HEXACHLOROBUTADIENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-02S	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	77-47-4	HEXACHLOROCYCLOPENTADIENE	5	UJ	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5.5	UJ	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	67-72-1	HEXACHLOROETHANE	5	UJ	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-04D	3/22/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	78-59-1	ISOPHORONE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-03D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	86-30-6	N-NITROSODIPHENYLAMINE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-01S	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	621-64-7	N-NITROSODIPROPYLAMINE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-25D	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	98-95-3	NITROBENZENE	5	UJ	10	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	UJ	25	UG/L	MW16-20D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-15D	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-02S	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12 5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12 5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	100-01-6	P-NITROANILINE	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-22D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12 5	U	25	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-28D	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12 5	U	25	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12 5	U	25	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	14	U	28	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-02R	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	87-86-5	PENTACHLOROPHENOL	12.5	U	25	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-14D	3/23/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-01S	3/29/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-02D	3/29/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-02R	3/29/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-02S	3/29/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-03D	3/22/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-03S	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-04D	3/22/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-05S	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-05D	3/22/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-04S	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-06D	3/22/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-13D	3/26/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-07S	3/23/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-09D	3/26/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-10R	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-11D	3/26/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-23D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-01D	3/29/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-06S	3/22/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-29D	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5.5	U	11	UG/L	MW16-19D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-08D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-25D	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-15R	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-16D	3/26/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-17D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-18D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-21D	3/28/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-28R	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-07D	3/23/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-24D	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-12D	3/23/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-25R	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-26D	3/21/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-27D	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-27R	3/27/2001
WG	SEMIVOLATILES	108-95-2	PHENOL	5	UJ	10	UG/L	MW16-28D	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	SEMIVOLATILES	108-95-2	PHENOL	5	U	10	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0 5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	25	U	50	UG/L	MW16-15R	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	71-55-6	1,1,1-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0 5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0 5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-25D	3/27/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.3		1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0 5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.3		1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	1		1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-28R	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	79-00-5	1,1,2-TRICHLOROETHANE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.4	J	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.6		1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-34-3	1,1-DICHLOROETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5		1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0 5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.7		1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	1		1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	1		1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	1		1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.7		1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	2		1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.7		1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0 5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0 5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.5	U	1	UG/L	MW16-08D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-35-4	1,1-DICHLOROETHENE	0.85	_ / J	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.3		1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0 5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.4		1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.4		1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.4		1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.4	_ / U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	UJ	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	107-06-2	1,2-DICHLOROETHANE	0.5	U / UJ	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	UJ	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0 5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-03S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	78-87-5	1,2-DICHLOROPROPANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	1		5	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	78-93-3	2-BUTANONE	125	U	250	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2 5	U	5	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	78-93-3	2-BUTANONE	6		5	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	UJ	5	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-27D	3/27/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	78-93-3	2-BUTANONE	2.5	U	5	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	UJ	4	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	591-78-6	2-HEXANONE	2	U	4	UG/L	MW16-05D	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	591-78-6	2-HEXANONE	100	U	200	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1 5	U	3	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.75	U / _	3	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	75	UJ	150	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	UJ	3	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1 5	U	3	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-05S	3/21/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	108-10-1	4-METHYL-2-PENTANONE	1.5	U	3	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	U	5	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	67-64-1	ACETONE	1		5	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	67-64-1	ACETONE	0.8	J	5	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	67-64-1	ACETONE	70	J	5	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	67-64-1	ACETONE	100	J	5	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	8	J	5	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	130	J	250	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2 5	UJ	5	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	67-64-1	ACETONE	2.5	UJ	5	UG/L	MW16-19D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	71-43-2	BENZENE	0.5		1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	71-43-2	BENZENE	0.5		1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	71-43-2	BENZENE	1		1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	71-43-2	BENZENE	0.5	U	1	UG/L	MW16-18D	3/28/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0 5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-27-4	BROMODICHLOROMETHANE	0.5	U	1	UG/L	MW16-22D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ / U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0 5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-25-2	BROMOFORM	25	UJ	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0 5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-25-2	BROMOFORM	0 5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-25-2	BROMOFORM	0 5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	UJ	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-25-2	BROMOFORM	0.5	U	1	UG/L	MW16-12D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U / UJ	2	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	50	UJ	100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	UJ	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	74-83-9	BROMOMETHANE	1	U	2	UG/L	MW16-22D	3/28/2001

ATTA[illegible]MENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	_ / U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	1		1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	4		1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	J	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5		1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-15-0	CARBON DISULFIDE	0.5	U	1	UG/L	MW16-15D	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0 5	UJ	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	UJ	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	56-23-5	CARBON TETRACHLORIDE	0.5	U	1	UG/L	MW16-23D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	108-90-7	CHLOROBENZENE	0.5	U	1	UG/L	MW16-06S	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	0.6		2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	UJ	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	50	U	100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-00-3	CHLOROETHANE	1	U	2	UG/L	MW16-12D	3/23/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	J	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.45	U / _	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0 5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0 5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	67-66-3	CHLOROFORM	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0 5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	67-66-3	CHLOROFORM	0.5	U	1	UG/L	MW16-04S	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	50	U	100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ	2	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U / UJ	2	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	UJ	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	74-87-3	CHLOROMETHANE	1	U	2	UG/L	MW16-23D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1		2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	0.8		2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	52	J	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	110		100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	10		2	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	9		2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	7		2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	6.5		2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	6		2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	5		2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	5		2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	4		2	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	2		2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	2		2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	1		2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	156-59-2	CIS-1,2-DICHLOROETHENE	3		2	UG/L	MW16-15D	3/27/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	10061-01-5	CIS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-06S	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ / U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0 5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	124-48-1	DIBROMOCHLOROMETHANE	0.5	UJ	1	UG/L	MW16-28R	3/27/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0 5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0 5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.65		1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U / _	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	100-41-4	ETHYLBENZENE	0.5	U	1	UG/L	MW16-19D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0 5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	MPXYLENES	M,P-XYLENES	0.5	U	1	UG/L	MW16-05D	3/22/2001

ATTACHMENT A
DATA USED IN HHRA
DAVISVILLE 16

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 5	UJ	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 5	UJ	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U / UJ	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	25	UJ	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0 5	UJ	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-09-2	METHYLENE CHLORIDE	0.5	UJ	1	UG/L	MW16-13D	3/26/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0 5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.45		1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5		1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	95-47-6	O-XYLENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0 5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	95-47-6	O-XYLENE	0.5	U	1	UG/L	MW16-16D	3/26/2001

ATTACHMENT A
DATA USED IN HHRA
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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ / U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	UJ	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	100-42-5	STYRENE	0 5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	100-42-5	STYRENE	0.5	U	1	UG/L	MW16-06S	3/22/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5		1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.4		1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.55		1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.7		1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	127-18-4	TETRACHLOROETHENE	0.5	U	1	UG/L	MW16-01S	3/29/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	108-88-3	TOLUENE	0 5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	108-88-3	TOLUENE	0.45		1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	108-88-3	TOLUENE	0 5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.6		1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.85		1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0 5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0 5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	108-88-3	TOLUENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	7.5		1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	110		50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	55	J	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	10		1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	8		1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	7		1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	6		1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	6		1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	10		1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0 5	U.	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	4		1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	0.8		1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	1		1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	2		1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	2		1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	2		1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	540-59-0	TOTAL 1,2-DICHLOROETHENE	4		1	UG/L	MW16-23D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.6		2	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.9		2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.85		2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.85	U / _	2	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0.7		2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	0 8		2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	50	U	100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	3	J	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	UJ	2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	156-60-5	TRANS-1,2-DICHLOROETHENE	1	U	2	UG/L	MW16-20D	3/28/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	UJ	1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	UJ	1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	UJ / U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	UJ	1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U / UJ	1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	UJ	1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0 5	U	1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	25	U	50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	10061-02-6	TRANS-1,3-DICHLOROPROPENE	0.5	U	1	UG/L	MW16-01S	3/29/2001

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matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0 5	U	1	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.7		1	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.7		1	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.8		1	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1		1	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1		1	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.9		1	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5		1	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0 5	U	1	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1900		1	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1		1	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	0.5	U	1	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	2700		1	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	560		1	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	6300		1	UG/L	MW16-15D	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	4900		1	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	4600		50	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1		1	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	3100		1	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	2600		1	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	2250		1	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	2100		1	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	3		1	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	390		1	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	310		1	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	190		1	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	120		1	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	89		1	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	21		1	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	890		1	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	1		1	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	79-01-6	TRICHLOROETHENE	3500		1	UG/L	MW16-23D	3/28/2001

matrix	fraction	cas_number	analyte	result	qualifier	reporting limit	units	sample_name	sample_date
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-04D	3/22/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-03S	3/21/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-03D	3/22/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-02S	3/29/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-02R	3/29/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-02D	3/29/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-05S	3/21/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-10D	3/26/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-01S	3/29/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-12D	3/23/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-05D	3/22/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-01D	3/29/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-06D	3/22/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-06S	3/22/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-07D	3/23/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-07S	3/23/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-19D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-09D	3/26/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-17D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-08D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-18D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	0.9		2	UG/L	MW16-04S	3/21/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	50	U	100	UG/L	MW16-15R	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	2	J	2	UG/L	MW16-29D	3/21/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-22D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-23D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-20D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-13D	3/26/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-14D	3/23/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-11D	3/26/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-16D	3/26/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-28R	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-21D	3/28/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-10R	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	UJ	2	UG/L	MW16-25D	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-25R	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-26D	3/21/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-27D	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-27R	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U	2	UG/L	MW16-28D	3/27/2001
WG	VOLATILE	75-01-4	VINYL CHLORIDE	1	U / UJ	2	UG/L	MW16-15D	3/27/2001

ATTACHMENT B
RISK ASSESSMENT CALCULATIONS

DAVISVILLE SITE 16
HUMAN HEALTH RISK ASSESSMENT

Figure B-1
Probability Density Plot from the IEUBK Lead Model
Residential Scenario: Soil and Groundwater
Davisville Site 16

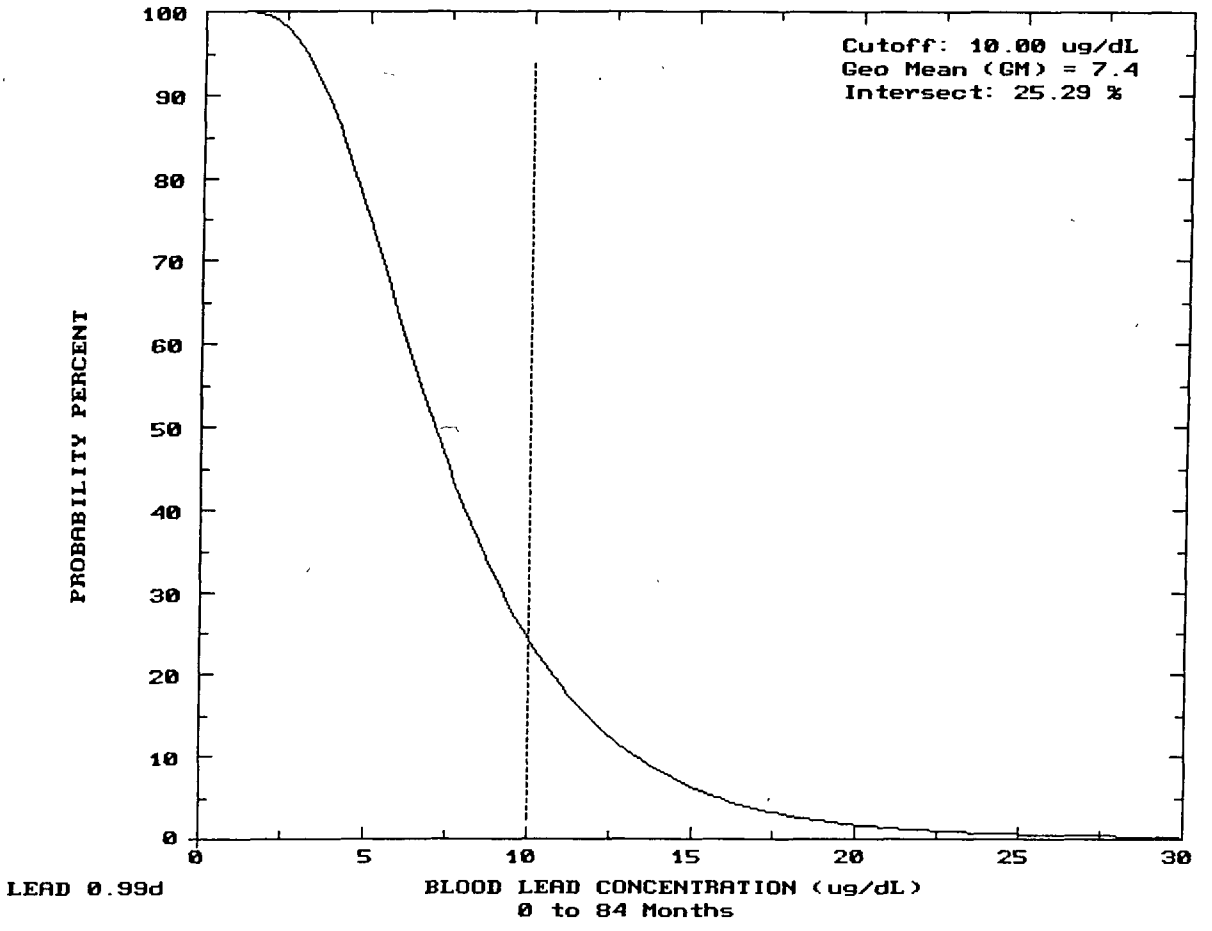

Figure B-2
Probability Density Plot from the IEUBK Lead Model
Recreational Scenario: Soil and Seep Water
Davisville Site 16

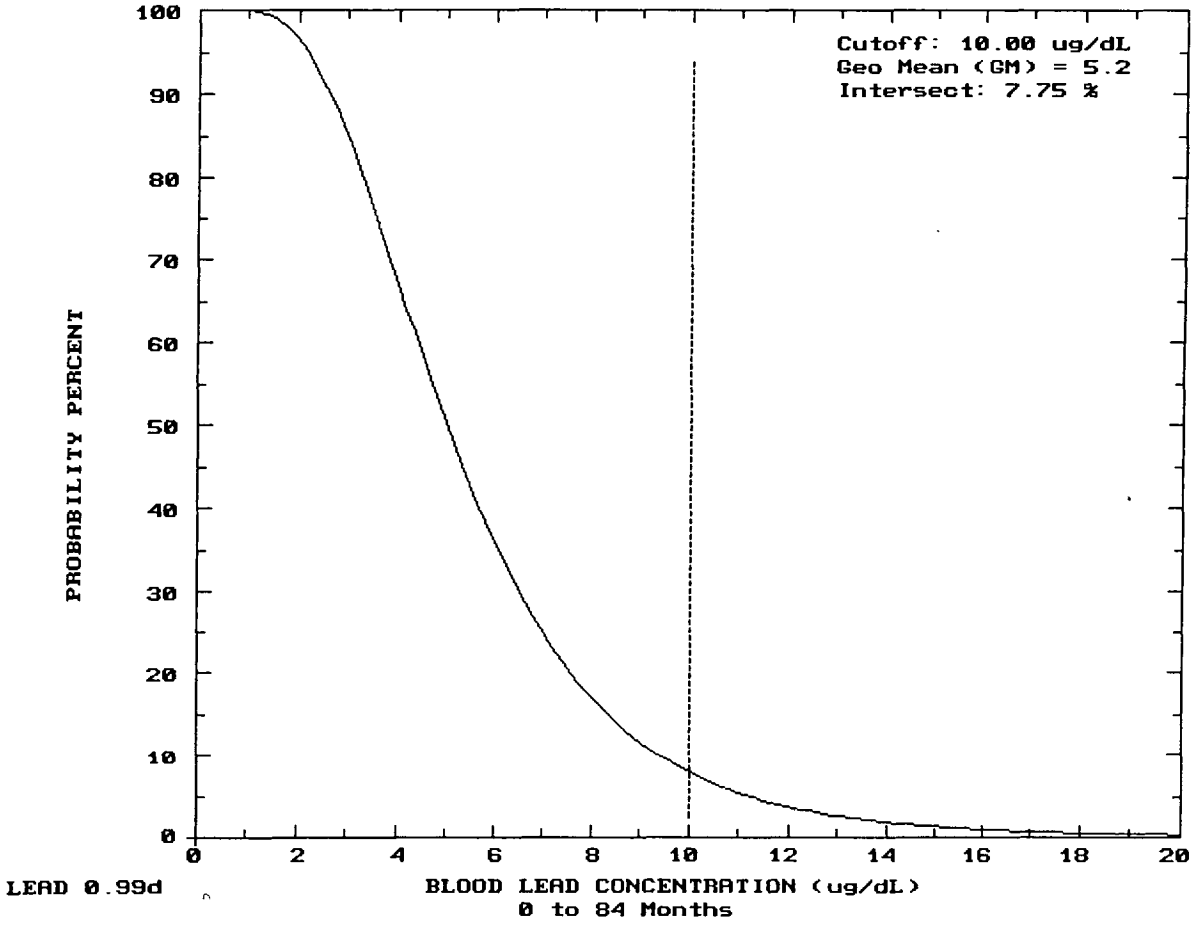

TABLE B-1
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	50 mg/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,285 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	5.61E-11	7.21E-12	NA	1.50E+05	--	1.08E-06
Inorganics							
ALUMINUM	6.61E+03	1.94E-03	2.49E-04	1.00E+00	NA	1 94E-03	--
ANTIMONY	1 32E+00	3 87E-07	4.98E-08	4.00E-04	NA	9.69E-04	--
ARSENIC	8 64E+00	2.54E-06	3.26E-07	3 00E-04	1.50E+00	8.45E-03	4.89E-07
BARIUM	8.50E+01	2.50E-05	3 21E-06	7.00E-02	NA	3 56E-04	--
COPPER	5.56E+01	1.63E-05	2.10E-06	4.00E-02	NA	4.08E-04	--
MANGANESE	2.00E+02	5.87E-05	7 55E-06	2.00E-02	NA	2.94E-03	--
THALLIUM	3 36E-01	9.86E-08	1.27E-08	7.00E-05	NA	1 41E-03	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.25E-07	1.61E-08	NA	7 30E-01	--	1 18E-08
BENZO[A]PYRENE	4.18E-01	1.23E-07	1.58E-08	NA	7 30E+00	--	1.15E-07
BENZO(B)FLUORANTHENE	5.17E-01	1.52E-07	1.95E-08	NA	7 30E-01	--	1 42E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	9.13E-08	1.17E-08	NA	7.30E+00	--	8.57E-08
INDENO(1,2,3-CD)PYRENE	3.51E-01	1.03E-07	1.32E-08	NA	7.30E-01	--	9.67E-09
2-METHYLNAPHTHALENE	7.70E-01	2.26E-07	2.91E-08	2.00E-02	NA	1.13E-05	--
NAPHTHALENE	4 91E-01	1 44E-07	1.85E-08	2.00E-02	NA	7.21E-06	--
Cumulative Risk						**1.65E-02**	**1.81E-06**

TABLE B-2
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	100 mg/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	24 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	8,760 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1 00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	1.12E-10	3.84E-11	NA	1.50E+05	--	5.77E-06
Inorganics							
ALUMINUM	6 61E+03	3.88E-03	1.33E-03	1.00E+00	NA	3 88E-03	--
ANTIMONY	1.32E+00	7.75E-07	2.66E-07	4.00E-04	NA	1.94E-03	--
ARSENIC	8.64E+00	5.07E-06	1.74E-06	3 00E-04	1.50E+00	1 69E-02	2.61E-06
BARIUM	8.50E+01	4.99E-05	1.71E-05	7.00E-02	NA	7 13E-04	--
COPPER	5.56E+01	3.26E-05	1.12E-05	4.00E-02	NA	8.16E-04	--
MANGANESE	2.00E+02	1 17E-04	4.03E-05	2.00E-02	NA	5.87E-03	--
THALLIUM	3.36E-01	1 97E-07	6.76E-08	7.00E-05	NA	2.82E-03	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	2.51E-07	8.59E-08	NA	7.30E-01	--	6.27E-08
BENZO[A]PYRENE	4.18E-01	2.45E-07	8.41E-08	NA	7.30E+00	--	6.14E-07
BENZO(B)FLUORANTHENE	5.17E-01	3 04E-07	1.04E-07	NA	7.30E-01	--	7 60E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	1 83E-07	6.26E-08	NA	7.30E+00	--	4.57E-07
INDENO(1,2,3-CD)PYRENE	3.51E-01	2.06E-07	7.07E-08	NA	7.30E-01	--	5.16E-08
2-METHYLNAPHTHALENE	7.70E-01	4 52E-07	1 55E-07	2.00E-02	NA	2.26E-05	--
NAPHTHALENE	4.91E-01	2.88E-07	9.88E-08	2 00E-02	NA	1.44E-05	--
Cumulative Risk						**3.30E-02**	**9.64E-06**

TABLE B-3
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- CENTRAL TENDENCY SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Total Soil**

Surface Area for Contact = SA	6,200 cm^2/event
Adherence Factor = AF	0.01 mg/cm^2
Absorption Factor = ABS	chemical-specific
Exposure Frequency = EF	150 event/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,285 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	2.09E-12	2.68E-13	NA	1.50E+05	--	4 02E-08
Inorganics							
ALUMINUM	6 61E+03	0.00E+00	0 00E+00	1 00E+00	NA	0.00E+00	--
ANTIMONY	1.32E+00	0.00E+00	0.00E+00	6 00E-05	NA	0 00E+00	--
ARSENIC	8.64E+00	9 43E-08	1.21E-08	3.00E-04	1.50E+00	3.14E-04	1.82E-08
BARIUM	8.50E+01	0.00E+00	0.00E+00	4.90E-03	NA	0 00E+00	--
COPPER	5.56E+01	0.00E+00	0.00E+00	4.00E-02	NA	0.00E+00	--
MANGANESE	2 00E+02	0.00E+00	0.00E+00	8.00E-04	NA	0.00E+00	--
THALLIUM	3.36E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	4 27E-01	2.02E-08	2.60E-09	NA	7.30E-01	--	1.90E-09
BENZO[A]PYRENE	4.18E-01	1.98E-08	2 54E-09	NA	7.30E+00	--	1.86E-08
BENZO(B)FLUORANTHENE	5.17E-01	2.45E-08	3.15E-09	NA	7.30E-01	--	2.30E-09
DIBENZ[A, H]ANTHRACENE	3.11E-01	1 47E-08	1.89E-09	NA	7.30E+00	--	1.38E-08
INDENO(1,2,3-CD)PYRENE	3.51E-01	1.66E-08	2.14E-09	NA	7.30E-01	--	1.56E-09
2-METHYLNAPHTHALENE	7.70E-01	3.64E-08	4.68E-09	2 00E-02	NA	1 82E-06	--
NAPHTHALENE	4.91E-01	2.32E-08	2.99E-09	2.00E-02	NA	1.16E-06	--
Cumulative Risk						**3.17E-04**	**9.65E-08**

TABLE B-4
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Total Soil**

Surface Area for Contact = SA	8,000	cm^2/event
Adherence Factor = AF	0.07	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	150	event/yr
Exposure Duration = ED	24	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	1.88E-11	6.46E-12	NA	1.50E+05	--	9.69E-07
Inorganics							
ALUMINUM	6.61E+03	0.00E+00	0.00E+00	1.00E+00	NA	0 00E+00	--
ANTIMONY	1.32E+00	0.00E+00	0.00E+00	6 00E-05	NA	0.00E+00	--
ARSENIC	8.64E+00	8.52E-07	2.92E-07	3.00E-04	1.50E+00	2 84E-03	4 38E-07
BARIUM	8.50E+01	0.00E+00	0.00E+00	4.90E-03	NA	0.00E+00	--
COPPER	5.56E+01	0.00E+00	0.00E+00	4.00E-02	NA	0.00E+00	--
MANGANESE	2.00E+02	0 00E+00	0.00E+00	8 00E-04	NA	0.00E+00	--
THALLIUM	3.36E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.82E-07	6 26E-08	NA	7.30E-01	--	4.57E-08
BENZO[A]PYRENE	4.18E-01	1 79E-07	6.13E-08	NA	7.30E+00	--	4.47E-07
BENZO(B)FLUORANTHENE	5.17E-01	2 21E-07	7.58E-08	NA	7.30E-01	--	5.53E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	1.33E-07	4.56E-08	NA	7.30E+00	--	3.33E-07
INDENO(1,2,3-CD)PYRENE	3.51E-01	1.50E-07	5.14E-08	NA	7.30E-01	--	3 75E-08
2-METHYLNAPHTHALENE	7.70E-01	3.29E-07	1.13E-07	2.00E-02	NA	1.65E-05	--
NAPHTHALENE	4.91E-01	2.10E-07	7.19E-08	2.00E-02	NA	1.05E-05	--
Cumulative Risk						**2.87E-03**	**2.33E-06**

TABLE B-5
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	0 55 m3/hr
Exposure Time = ET	10 hr/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	2,555 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.45E-13	6.01E-15	6.01E-16	NA	1.50E+05	--	9.01E-11
Inorganics							
ALUMINUM	5.01E-06	2.08E-07	2.08E-08	1.00E-03	NA	2.08E-04	--
ANTIMONY	1.00E-09	4.15E-11	4.15E-12	NA	NA	--	--
ARSENIC	6 55E-09	2.72E-10	2.72E-11	NA	1 51E+01	--	4 10E-10
BARIUM	6.44E-08	2.67E-09	2.67E-10	1.40E-04	NA	1.91E-05	--
COPPER	4 21E-08	1.75E-09	1.75E-10	NA	NA	--	--
MANGANESE	1.52E-07	6.29E-09	6 29E-10	1.43E-05	NA	4 40E-04	--
THALLIUM	2 55E-10	1.06E-11	1.06E-12	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	1.34E-11	1 34E-12	NA	3.10E-01	--	4.16E-13
BENZO[A]PYRENE	3 17E-10	1.31E-11	1 31E-12	NA	3.10E+00	--	4.08E-12
BENZO(B)FLUORANTHENE	3 92E-10	1.63E-11	1.63E-12	NA	3.10E-01	--	5.04E-13
DIBENZ[A, H]ANTHRACENE	2 36E-10	9.78E-12	9 78E-13	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	2.66E-10	1 10E-11	1.10E-12	NA	3.10E-01	--	3.42E-13
2-METHYLNAPHTHALENE	5 83E-10	2.42E-11	2.42E-12	NA	NA	--	--
NAPHTHALENE	3.72E-10	1.54E-11	1.54E-12	9.00E-04	NA	1 72E-08	--
Cumulative Risk						**6.67E-04**	**5.06E-10**

TABLE B-6
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	0.625 m3/hr
Exposure Time = ET	24 hr/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	24 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	8,760 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1 45E-13	1.27E-14	4.37E-15	NA	1.50E+05	--	6 55E-10
Inorganics							
ALUMINUM	5 01E-06	4.41E-07	1.51E-07	1.00E-03	NA	4.41E-04	--
ANTIMONY	1.00E-09	8.81E-11	3.02E-11	NA	NA	--	--
ARSENIC	6 55E-09	5.76E-10	1 98E-10	NA	1.51E+01	--	2 98E-09
BARIUM	6.44E-08	5.67E-09	1.94E-09	1.40E-04	NA	4 05E-05	--
COPPER	4.21E-08	3.71E-09	1.27E-09	NA	NA	--	--
MANGANESE	1.52E-07	1 33E-08	4.57E-09	1 43E-05	NA	9.33E-04	--
THALLIUM	2.55E-10	2 24E-11	7.69E-12	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	2 85E-11	9.77E-12	NA	3.10E-01	--	3.03E-12
BENZO[A]PYRENE	3.17E-10	2.79E-11	9.56E-12	NA	3.10E+00	--	2.96E-11
BENZO(B)FLUORANTHENE	3.92E-10	3 45E-11	1 18E-11	NA	3.10E-01	--	3.67E-12
DIBENZ[A, H]ANTHRACENE	2.36E-10	2 07E-11	7.11E-12	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	2 66E-10	2 34E-11	8.03E-12	NA	3.10E-01	--	2.49E-12
2-METHYLNAPHTHALENE	5.83E-10	5.14E-11	1.76E-11	NA	NA	--	--
NAPHTHALENE	3.72E-10	3.28E-11	1 12E-11	9 00E-04	NA	3.64E-08	--
Cumulative Risk						**1.41E-03**	**3.68E-09**

TABLE B-7
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	100 mg/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	5.23E-10	1.50E-11	NA	1.50E+05	--	2 24E-06
Inorganics							
ALUMINUM	6.61E+03	1 81E-02	5.17E-04	1 00E+00	NA	1.81E-02	--
ANTIMONY	1.32E+00	3.62E-06	1.03E-07	4.00E-04	NA	9.04E-03	--
ARSENIC	8.64E+00	2.37E-05	6.76E-07	3 00E-04	1.50E+00	7.89E-02	1.01E-06
BARIUM	8.50E+01	2.33E-04	6.65E-06	7.00E-02	NA	3.33E-03	--
COPPER	5.56E+01	1 52E-04	4.35E-06	4.00E-02	NA	3 81E-03	--
MANGANESE	2.00E+02	5.48E-04	1 57E-05	2.00E-02	NA	2.74E-02	--
THALLIUM	3.36E-01	9.21E-07	2.63E-08	7.00E-05	NA	1.32E-02	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.17E-06	3.34E-08	NA	7.30E-01	--	2.44E-08
BENZO[A]PYRENE	4.18E-01	1.15E-06	3.27E-08	NA	7.30E+00	--	2.39E-07
BENZO(B)FLUORANTHENE	5.17E-01	1.42E-06	4.05E-08	NA	7.30E-01	--	2.95E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	8.52E-07	2.43E-08	NA	7.30E+00	--	1 78E-07
INDENO(1,2,3-CD)PYRENE	3.51E-01	9.62E-07	2.75E-08	NA	7.30E-01	--	2.01E-08
2-METHYLNAPHTHALENE	7.70E-01	2.11E-06	6.03E-08	2.00E-02	NA	1.05E-04	--
NAPHTHALENE	4.91E-01	1.35E-06	3.84E-08	2.00E-02	NA	6.73E-05	--
Cumulative Risk						**1.54E-01**	**3.75E-06**

TABLE B-8
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	200 mg/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	1.05E-09	8.97E-11	NA	1.50E+05	--	1.35E-05
Inorganics							
ALUMINUM	6 61E+03	3.62E-02	3.10E-03	1.00E+00	NA	3.62E-02	--
ANTIMONY	1.32E+00	7.23E-06	6.20E-07	4 00E-04	NA	1.81E-02	--
ARSENIC	8 64E+00	4.73E-05	4.06E-06	3.00E-04	1.50E+00	1.58E-01	6.09E-06
BARIUM	8.50E+01	4.66E-04	3.99E-05	7.00E-02	NA	6 65E-03	--
COPPER	5.56E+01	3.05E-04	2.61E-05	4.00E-02	NA	7.62E-03	--
MANGANESE	2 00E+02	1.10E-03	9.39E-05	2.00E-02	NA	5.48E-02	--
THALLIUM	3.36E-01	1.84E-06	1.58E-07	7 00E-05	NA	2.63E-02	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	2.34E-06	2.01E-07	NA	7.30E-01	--	1.46E-07
BENZO[A]PYRENE	4.18E-01	2.29E-06	1.96E-07	NA	7.30E+00	--	1.43E-06
BENZO(B)FLUORANTHENE	5.17E-01	2.83E-06	2.43E-07	NA	7.30E-01	--	1.77E-07
DIBENZ[A, H]ANTHRACENE	3.11E-01	1.70E-06	1.46E-07	NA	7 30E+00	--	1.07E-06
INDENO(1,2,3-CD)PYRENE	3.51E-01	1.92E-06	1 65E-07	NA	7.30E-01	--	1.20E-07
2-METHYLNAPHTHALENE	7.70E-01	4 22E-06	3.62E-07	2 00E-02	NA	2.11E-04	--
NAPHTHALENE	4.91E-01	2.69E-06	2.31E-07	2.00E-02	NA	1.35E-04	--
Cumulative Risk						**3.08E-01**	**2.25E-05**

TABLE B-9
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Total Soil**

Surface Area for Contact = SA	2,900 cm^2/event
Adherence Factor = AF	0 06 mg/cm^2
Absorption Factor = ABS	chemical specific
Exposure Frequency = EF	150 event/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1 00E-06 kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	2.73E-11	7.80E-13	NA	1.50E+05	--	1 17E-07
Inorganics							
ALUMINUM	6 61E+03	0 00E+00	0.00E+00	1.00E+00	NA	0.00E+00	--
ANTIMONY	1.32E+00	0.00E+00	0.00E+00	6.00E-05	NA	0 00E+00	--
ARSENIC	8.64E+00	1.24E-06	3.53E-08	3.00E-04	1 50E+00	4.12E-03	5 30E-08
BARIUM	8.50E+01	0.00E+00	0.00E+00	4 90E-03	NA	0.00E+00	--
COPPER	5.56E+01	0 00E+00	0.00E+00	4.00E-02	NA	0.00E+00	--
MANGANESE	2.00E+02	0 00E+00	0.00E+00	8.00E-04	NA	0.00E+00	--
THALLIUM	3.36E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	2 65E-07	7.56E-09	NA	7.30E-01	--	5 52E-09
BENZO[A]PYRENE	4.18E-01	2.59E-07	7.40E-09	NA	7.30E+00	--	5.40E-08
BENZO(B)FLUORANTHENE	5.17E-01	3.20E-07	9.15E-09	NA	7.30E-01	--	6.68E-09
DIBENZ[A, H]ANTHRACENE	3.11E-01	1.93E-07	5.51E-09	NA	7.30E+00	--	4.02E-08
INDENO(1,2,3-CD)PYRENE	3.51E-01	2.18E-07	6.21E-09	NA	7.30E-01	--	4.54E-09
2-METHYLNAPHTHALENE	7.70E-01	4.77E-07	1.36E-08	2 00E-02	NA	2 39E-05	--
NAPHTHALENE	4.91E-01	3.04E-07	8.69E-09	2 00E-02	NA	1.52E-05	--
Cumulative Risk						**4.16E-03**	**2.81E-07**

TABLE B-10
TESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Total Soil**

Surface Area for Contact = SA	3,600	cm^2/event
Adherence Factor = AF	0.2	mg/cm^2
Absorption Factor = ABS	chemical specific	
Exposure Frequency = EF	150	event/yr
Exposure Duration = ED	6	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	2,190	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	1.13E-10	9.69E-12	NA	1.50E+05	--	1.45E-06
Inorganics							
ALUMINUM	6.61E+03	0.00E+00	0.00E+00	1.00E+00	NA	0 00E+00	--
ANTIMONY	1.32E+00	0 00E+00	0.00E+00	6 00E-05	NA	0.00E+00	--
ARSENIC	8.64E+00	5.11E-06	4.38E-07	3.00E-04	1.50E+00	1.70E-02	6 57E-07
BARIUM	8.50E+01	0.00E+00	0.00E+00	4.90E-03	NA	0.00E+00	--
COPPER	5 56E+01	0.00E+00	0 00E+00	4.00E-02	NA	0 00E+00	--
MANGANESE	2.00E+02	0.00E+00	0.00E+00	8 00E-04	NA	0.00E+00	--
THALLIUM	3.36E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.09E-06	9.39E-08	NA	7.30E-01	--	6.85E-08
BENZO[A]PYRENE	4.18E-01	1.07E-06	9.19E-08	NA	7.30E+00	--	6.71E-07
BENZO(B)FLUORANTHENE	5.17E-01	1.33E-06	1.14E-07	NA	7.30E-01	--	8.30E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	7.98E-07	6 84E-08	NA	7.30E+00	--	4.99E-07
INDENO(1,2,3-CD)PYRENE	3.51E-01	9.00E-07	7.72E-08	NA	7.30E-01	--	5.63E-08
2-METHYLNAPHTHALENE	7.70E-01	1.97E-06	1.69E-07	2.00E-02	NA	9.87E-05	--
NAPHTHALENE	4.91E-01	1.26E-06	1.08E-07	2.00E-02	NA	6.30E-05	--
Cumulative Risk						**1.72E-02**	**3.49E-06**

TABLE B-11
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	0 416666667 m3/hr
Exposure Time = ET	10 hr/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.45E-13	1 65E-14	4.72E-16	NA	1.50E+05	--	7 08E-11
Inorganics							
ALUMINUM	5.01E-06	5.72E-07	1 63E-08	1.00E-03	NA	5.72E-04	--
ANTIMONY	1.00E-09	1 14E-10	3 26E-12	NA	NA	--	--
ARSENIC	6.55E-09	7.47E-10	2.13E-11	NA	1.51E+01	--	3.22E-10
BARIUM	6.44E-08	7 35E-09	2.10E-10	1 40E-04	NA	5.25E-05	--
COPPER	4.21E-08	4.81E-09	1.37E-10	NA	NA	--	--
MANGANESE	1.52E-07	1.73E-08	4.94E-10	1 43E-05	NA	1.21E-03	--
THALLIUM	2.55E-10	2.91E-11	8.30E-13	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	3.69E-11	1.06E-12	NA	3.10E-01	--	3.27E-13
BENZO[A]PYRENE	3.17E-10	3.61E-11	1.03E-12	NA	3.10E+00	--	3.20E-12
BENZO(B)FLUORANTHENE	3.92E-10	4.47E-11	1.28E-12	NA	3.10E-01	--	3.96E-13
DIBENZ[A, H]ANTHRACENE	2 36E-10	2 69E-11	7.68E-13	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	2.66E-10	3 04E-11	8.67E-13	NA	3.10E-01	--	2.69E-13
2-METHYLNAPHTHALENE	5 83E-10	6 66E-11	1.90E-12	NA	NA	--	--
NAPHTHALENE	3.72E-10	4.25E-11	1 21E-12	9.00E-04	NA	4.72E-08	--
Cumulative Risk						**1.83E-03**	**3.97E-10**

TABLE B-12
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	0.416666667	m3/hr
Exposure Time = ET	24	hr/day
Exposure Frequency = EF	350	day/yr
Exposure Duration = ED	6	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	2,190	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.45E-13	9.25E-14	7.93E-15	NA	1.50E+05	--	1.19E-09
Inorganics							
ALUMINUM	5.01E-06	3.20E-06	2.74E-07	1.00E-03	NA	3.20E-03	--
ANTIMONY	1.00E-09	6.39E-10	5 48E-11	NA	NA	--	--
ARSENIC	6.55E-09	4.18E-09	3.59E-10	NA	1.51E+01	--	5.42E-09
BARIUM	6.44E-08	4.12E-08	3.53E-09	1.40E-04	NA	2 94E-04	--
COPPER	4 21E-08	2.69E-08	2.31E-09	NA	NA	--	--
MANGANESE	1 52E-07	9.69E-08	8 30E-09	1.43E-05	NA	6.77E-03	--
THALLIUM	2.55E-10	1.63E-10	1 39E-11	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	2.07E-10	1.77E-11	NA	3.10E-01	--	5.49E-12
BENZO[A]PYRENE	3.17E-10	2 02E-10	1.74E-11	NA	3.10E+00	--	5.38E-11
BENZO(B)FLUORANTHENE	3.92E-10	2.50E-10	2.15E-11	NA	3.10E-01	--	6.65E-12
DIBENZ[A, H]ANTHRACENE	2.36E-10	1.51E-10	1.29E-11	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	2.66E-10	1.70E-10	1 46E-11	NA	3.10E-01	--	4.52E-12
2-METHYLNAPHTHALENE	5.83E-10	3.73E-10	3 20E-11	NA	NA	--	--
NAPHTHALENE	3.72E-10	2 38E-10	2.04E-11	9 00E-04	NA	2.64E-07	--
Cumulative Risk						**1.03E-02**	**6.68E-09**

TABLE B-13
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	50 mg/day
Exposure Frequency = EF	48 day/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,285 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	3.56E-12	4.58E-13	NA	1.50E+05	--	6.87E-08
Inorganics							
ALUMINUM	5.97E+03	5.61E-04	7.21E-05	1.00E+00	NA	5.61E-04	--
ARSENIC	2.67E+00	2.51E-07	3.22E-08	3.00E-04	1.50E+00	8.36E-04	4.84E-08
MANGANESE	1.85E+02	1.74E-05	2.23E-06	2.00E-02	NA	8.69E-04	--
THALLIUM	3.07E-01	2.88E-08	3.71E-09	7.00E-05	NA	4.12E-04	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	5.27E-08	6.78E-09	NA	7.30E-01	--	4.95E-09
BENZO[A]PYRENE	4.68E-01	4:40E-08	5.65E-09	NA	7.30E+00	--	4.13E-08
BENZO(B)FLUORANTHENE	6.78E-01	6.37E-08	8.19E-09	NA	7.30E-01	--	5.98E-09
DIBENZ[A, H]ANTHRACENE	3.81E-01	3.58E-08	4.60E-09	NA	7.30E+00	--	3.36E-08
INDENO(1,2,3-CD)PYRENE	4.17E-01	3.92E-08	5.04E-09	NA	7.30E-01	--	3.68E-09
Cumulative Risk						**2.68E-03**	**2.06E-07**

TABLE B-14
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	100 mg/day
Exposure Frequency = EF	96 day/yr
Exposure Duration = ED	24 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	8,760 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	1.42E-11	4.88E-12	NA	1.50E+05	--	7.32E-07
Inorganics							
ALUMINUM	5.97E+03	2.24E-03	7.69E-04	1.00E+00	NA	2.24E-03	--
ARSENIC	2.67E+00	1.00E-06	3.44E-07	3.00E-04	1.50E+00	3.34E-03	5.16E-07
MANGANESE	1.85E+02	6.95E-05	2.38E-05	2.00E-02	NA	3.48E-03	--
THALLIUM	3.07E-01	1.15E-07	3.95E-08	7.00E-05	NA	1.65E-03	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	2.11E-07	7.23E-08	NA	7.30E-01	--	5.28E-08
BENZO[A]PYRENE	4.68E-01	1.76E-07	6.03E-08	NA	7.30E+00	--	4.40E-07
BENZO(B)FLUORANTHENE	6.78E-01	2.55E-07	8.73E-08	NA	7.30E-01	--	6.38E-08
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.43E-07	4.91E-08	NA	7.30E+00	--	3.58E-07
INDENO(1,2,3-CD)PYRENE	4.17E-01	1.57E-07	5.37E-08	NA	7.30E-01	--	3.92E-08
Cumulative Risk						**1.07E-02**	**2.20E-06**

TABLE B-15

ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	6,200	cm^2/event
Adherence Factor = AF	0.16	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	48	event/yr
Exposure Duration = ED	9	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	3,285	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	2.12E-12	2.72E-13	NA	1.50E+05	--	4.09E-08
Inorganics							
ALUMINUM	5.97E+03	0.00E+00	0.00E+00	1 00E+00	NA	0.00E+00	--
ARSENIC	2 67E+00	1 49E-07	1.92E-08	3.00E-04	1.50E+00	4.98E-04	2 88E-08
MANGANESE	1 85E+02	0.00E+00	0.00E+00	8.00E-04	NA	0 00E+00	--
THALLIUM	3.07E-01	0.00E+00	0.00E+00	7.00E-05	NA	0 00E+00	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	1.36E-07	1 75E-08	NA	7.30E-01	--	1 28E-08
BENZO[A]PYRENE	4.68E-01	1 13E-07	1.46E-08	NA	7.30E+00	--	1 06E-07
BENZO(B)FLUORANTHENE	6.78E-01	1.64E-07	2 11E-08	NA	7.30E-01	--	1 54E-08
DIBENZ[A, H]ANTHRACENE	3 81E-01	9.23E-08	1.19E-08	NA	7.30E+00	--	8.66E-08
INDENO(1,2,3-CD)PYRENE	4.17E-01	1.01E-07	1.30E-08	NA	7.30E-01	--	9 48E-09
Cumulative Risk						**4.98E-04**	**3.00E-07**

TABLE B-16

ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	8,000	cm^2/event
Adherence Factor = AF	0.32	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	96	event/yr
Exposure Duration = ED	24	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	1.09E-11	3.75E-12	NA	1.50E+05	--	5.62E-07
Inorganics							
ALUMINUM	5.97E+03	0 00E+00	0.00E+00	1.00E+00	NA	0.00E+00	--
ARSENIC	2.67E+00	7.70E-07	2.64E-07	3.00E-04	1.50E+00	2.57E-03	3.96E-07
MANGANESE	1.85E+02	0.00E+00	0.00E+00	8.00E-04	NA	0.00E+00	--
THALLIUM	3 07E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	5 61E-01	7.01E-07	2.41E-07	NA	7.30E-01	--	1.76E-07
BENZO[A]PYRENE	4.68E-01	5.85E-07	2.01E-07	NA	7.30E+00	--	1.46E-06
BENZO(B)FLUORANTHENE	6 78E-01	8.48E-07	2.91E-07	NA	7.30E-01	--	2.12E-07
DIBENZ[A. H]ANTHRACENE	3.81E-01	4.76E-07	1.63E-07	NA	7.30E+00	--	1 19E-06
INDENO(1.2.3-CD)PYRENE	4.17E-01	5.21E-07	1.79E-07	NA	7.30E-01	--	1.31E-07
Cumulative Risk						**2.57E-03**	**4.13E-06**

TABLE B-17
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833 m3/hr
Exposure Time = ET	4 hr/day
Exposure Frequency = EF	48 day/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,650 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	1.62E-16	2.31E-17	NA	1.50E+05	--	3.47E-12
Inorganics							
ALUMINUM	4.52E-06	2.55E-08	3.64E-09	1.00E-03	NA	2.55E-05	--
ARSENIC	2.02E-09	1.14E-11	1.63E-12	NA	1.51E+01	--	2.46E-11
MANGANESE	1.40E-07	7.90E-10	1.13E-10	1.43E-05	NA	5.52E-05	--
THALLIUM	2.33E-10	1.31E-12	1.87E-13	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	4.25E-10	2.39E-12	3.42E-13	NA	3.10E-01	--	1.06E-13
BENZO[A]PYRENE	3.55E-10	2.00E-12	2.85E-13	NA	3.10E+00	--	8.85E-13
BENZO(B)FLUORANTHENE	5.14E-10	2.89E-12	4.13E-13	NA	3.10E-01	--	1.28E-13
DIBENZ[A, H]ANTHRACENE	2.89E-10	1.63E-12	2.32E-13	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	3.16E-10	1.78E-12	2.54E-13	NA	3.10E-01	--	7.88E-14
Cumulative Risk						**8.07E-05**	**2.92E-11**

TABLE B-18
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833 m3/hr
Exposure Time = ET	8 hr/day
Exposure Frequency = EF	96 day/yr
Exposure Duration = ED	24 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,650 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	1.73E-15	2.46E-16	NA	1.50E+05	--	3.70E-11
Inorganics							
ALUMINUM	4.52E-06	2.72E-07	3.88E-08	1.00E-03	NA	2.72E-04	--
ARSENIC	2.02E-09	1.22E-10	1.74E-11	NA	1.51E+01	--	2.62E-10
MANGANESE	1.40E-07	8.42E-09	1.20E-09	1.43E-05	NA	5.89E-04	--
THALLIUM	2.33E-10	1.40E-11	2.00E-12	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	4.25E-10	2.55E-11	3.65E-12	NA	3.10E-01	--	1.13E-12
BENZO[A]PYRENE	3.55E-10	2.13E-11	3.04E-12	NA	3.10E+00	--	9.44E-12
BENZO(B)FLUORANTHENE	5.14E-10	3.09E-11	4.41E-12	NA	3.10E-01	--	1.37E-12
DIBENZ[A, H]ANTHRACENE	2.89E-10	1.73E-11	2.48E-12	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	3.16E-10	1.90E-11	2.71E-12	NA	3.10E-01	--	8.41E-13
Cumulative Risk						**8.61E-04**	**3.12E-10**

TABLE B-19
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	100 mg/day
Exposure Frequency = EF	48 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	3.32E-11	9.49E-13	NA	1.50E+05	--	1.42E-07
Inorganics							
ALUMINUM	5.97E+03	5.23E-03	1.50E-04	1.00E+00	NA	5.23E-03	--
ARSENIC	2.67E+00	2.34E-06	6.69E-08	3.00E-04	1.50E+00	7.80E-03	1.00E-07
MANGANESE	1.85E+02	1.62E-04	4.63E-06	2.00E-02	NA	8.11E-03	--
THALLIUM	3.07E-01	2.69E-07	7.69E-09	7.00E-05	NA	3.85E-03	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	4.92E-07	1.41E-08	NA	7.30E-01	--	1.03E-08
BENZO[A]PYRENE	4.68E-01	4.10E-07	1.17E-08	NA	7.30E+00	--	8.56E-08
BENZO(B)FLUORANTHENE	6.78E-01	5.94E-07	1.70E-08	NA	7.30E-01	--	1.24E-08
DIBENZ[A, H]ANTHRACENE	3.81E-01	3.34E-07	9.54E-09	NA	7.30E+00	--	6.97E-08
INDENO(1,2,3-CD)PYRENE	4.17E-01	3.66E-07	1.04E-08	NA	7.30E-01	--	7.63E-09
Cumulative Risk						**2.50E-02**	**4.28E-07**

TABLE B-20
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	200 mg/day
Exposure Frequency = EF	96 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	1.33E-10	1.14E-11	NA	1.50E+05	--	1.71E-06
Inorganics							
ALUMINUM	5.97E+03	2.09E-02	1.79E-03	1.00E+00	NA	2.09E-02	--
ARSENIC	2.67E+00	9.36E-06	8.03E-07	3.00E-04	1.50E+00	3.12E-02	1.20E-06
MANGANESE	1.85E+02	6.49E-04	5.56E-05	2.00E-02	NA	3.24E-02	--
THALLIUM	3.07E-01	1.08E-06	9.23E-08	7.00E-05	NA	1.54E-02	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	1.97E-06	1.69E-07	NA	7.30E-01	--	1.23E-07
BENZO[A]PYRENE	4.68E-01	1.64E-06	1.41E-07	NA	7.30E+00	--	1.03E-06
BENZO(B)FLUORANTHENE	6.78E-01	2.38E-06	2.04E-07	NA	7.30E-01	--	1.49E-07
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.34E-06	1.15E-07	NA	7.30E+00	--	8.36E-07
INDENO(1,2,3-CD)PYRENE	4.17E-01	1.46E-06	1.25E-07	NA	7.30E-01	--	9.15E-08
Cumulative Risk						**1.00E-01**	**5.14E-06**

TABLE B-21

ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	2,900	cm^2/event
Adherence Factor = AF	0.16	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	48	event/yr
Exposure Duration = ED	2	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	730	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	4.63E-12	1.32E-13	NA	1.50E+05	--	1.98E-08
Inorganics							
ALUMINUM	5.97E+03	0.00E+00	0.00E+00	1.00E+00	NA	0.00E+00	--
ARSENIC	2.67E+00	3.26E-07	9.31E-09	3.00E-04	1.50E+00	1.09E-03	1.40E-08
MANGANESE	1.85E+02	0.00E+00	0.00E+00	8.00E-04	NA	0.00E+00	--
THALLIUM	3.07E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	2.97E-07	8.48E-09	NA	7.30E-01	--	6.19E-09
BENZO[A]PYRENE	4.68E-01	2.47E-07	7.07E-09	NA	7.30E+00	--	5.16E-08
BENZO(B)FLUORANTHENE	6.78E-01	3.59E-07	1 02E-08	NA	7.30E-01	--	7.48E-09
DIBENZ[A, H]ANTHRACENE	3.81E-01	2.01E-07	5.76E-09	NA	7.30E+00	--	4.20E-08
INDENO(1,2,3-CD)PYRENE	4.17E-01	2.21E-07	6.30E-09	NA	7.30E-01	--	4.60E-09
Cumulative Risk						**1.09E-03**	**1.46E-07**

TABLE B-22
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	3,600	cm^2/event
Adherence Factor = AF	0.32	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	96	event/yr
Exposure Duration = ED	6	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	2,190	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	2.30E-11	1.97E-12	NA	1.50E+05	--	2.95E-07
Inorganics							
ALUMINUM	5.97E+03	0.00E+00	0.00E+00	1.00E+00	NA	0.00E+00	--
ARSENIC	2.67E+00	1.62E-06	1.39E-07	3.00E-04	1.50E+00	5.39E-03	2.08E-07
MANGANESE	1.85E+02	0.00E+00	0.00E+00	8.00E-04	NA	0.00E+00	--
THALLIUM	3.07E-01	0.00E+00	0.00E+00	7.00E-05	NA	0.00E+00	--
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	1.47E-06	1.26E-07	NA	7.30E-01	--	9.22E-08
BENZO[A]PYRENE	4.68E-01	1.23E-06	1.05E-07	NA	7.30E+00	--	7.69E-07
BENZO(B)FLUORANTHENE	6.78E-01	1.78E-06	1.53E-07	NA	7.30E-01	--	1.11E-07
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.00E-06	8.58E-08	NA	7.30E+00	--	6.26E-07
INDENO(1,2,3-CD)PYRENE	4.17E-01	1.10E-06	9.39E-08	NA	7.30E-01	--	6.85E-08
Cumulative Risk						**5.39E-03**	**2.17E-06**

TABLE B-23

ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833 m3/hr
Exposure Time = ET	4 hr/day
Exposure Frequency = EF	48 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	8.39E-16	2.40E-17	NA	1.50E+05	--	3.59E-12
Inorganics							
ALUMINUM	4.52E-06	1.32E-07	3.77E-09	1.00E-03	NA	1.32E-04	--
ARSENIC	2.02E-09	5.91E-11	1.69E-12	NA	1.51E+01	--	2.55E-11
MANGANESE	1.40E-07	4.09E-09	1.17E-10	1.43E-05	NA	2.86E-04	--
THALLIUM	2.33E-10	6.79E-12	1.94E-13	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	4.25E-10	1.24E-11	3.55E-13	NA	3.10E-01	--	1.10E-13
BENZO[A]PYRENE	3.55E-10	1.04E-11	2.96E-13	NA	3.10E+00	--	9.17E-13
BENZO(B)FLUORANTHENE	5.14E-10	1.50E-11	4.29E-13	NA	3.10E-01	--	1.33E-13
DIBENZ[A, H]ANTHRACENE	2.89E-10	8.43E-12	2.41E-13	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	3.16E-10	9.23E-12	2.64E-13	NA	3.10E-01	--	8.17E-14
Cumulative Risk						**4.18E-04**	**3.03E-11**

TABLE B-24

ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833 m3/hr
Exposure Time = ET	10 hr/day
Exposure Frequency = EF	96 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	4.19E-15	3.59E-16	NA	1.50E+05	--	5.39E-11
Inorganics							
ALUMINUM	4.52E-06	6.61E-07	5.66E-08	1.00E-03	NA	6.61E-04	--
ARSENIC	2.02E-09	2.95E-10	2.53E-11	NA	1.51E+01	--	3.82E-10
MANGANESE	1.40E-07	2.05E-08	1.75E-09	1.43E-05	NA	1.43E-03	--
THALLIUM	2.33E-10	3.40E-11	2.91E-12	NA	NA	--	--
PAHs							
BENZ(A)ANTHRACENE	4.25E-10	6.21E-11	5.32E-12	NA	3.10E-01	--	1.65E-12
BENZO[A]PYRENE	3.55E-10	5.18E-11	4.44E-12	NA	3.10E+00	--	1.38E-11
BENZO(B)FLUORANTHENE	5.14E-10	7.50E-11	6.43E-12	NA	3.10E-01	--	1.99E-12
DIBENZ[A, H]ANTHRACENE	2.89E-10	4.22E-11	3.61E-12	NA	NA	--	--
INDENO(1,2,3-CD)PYRENE	3.16E-10	4.61E-11	3.96E-12	NA	3.10E-01	--	1.23E-12
Cumulative Risk						**2.09E-03**	**4.55E-10**

TABLE B-25
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	100 mg/day
Exposure Frequency = EF	80 day/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	5.98E-11	8.54E-13	NA	1.50E+05	--	1.28E-07
Inorganics							
ARSENIC	8.64E+00	2.71E-06	3.86E-08	3.00E-04	1.50E+00	9.02E-03	5.80E-08
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.34E-07	1.91E-09	NA	7.30E-01	--	1.39E-09
BENZO[A]PYRENE	4.18E-01	1.31E-07	1.87E-09	NA	7.30E+00	--	1.36E-08
BENZO(B)FLUORANTHENE	5.17E-01	1.62E-07	2.31E-09	NA	7.30E-01	--	1.69E-09
DIBENZ[A, H]ANTHRACENE	3.11E-01	9.74E-08	1.39E-09	NA	7.30E+00	--	1.02E-08
2-METHYLNAPHTHALENE	7.70E-01	2.41E-07	3.44E-09	2.00E-02	NA	1.21E-05	--
Cumulative Risk						**9.03E-03**	**2.13E-07**

TABLE B-26
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURES TO TOTAL SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Total Soil**

Ingestion Rate = CR	480 mg/day
Exposure Frequency = EF	160 day/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	5.74E-10	8.20E-12	NA	1.50E+05	--	1.23E-06
Inorganics							
ARSENIC	8.64E+00	2.60E-05	3.71E-07	3.00E-04	1.50E+00	8.66E-02	5.57E-07
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	1.28E-06	1.83E-08	NA	7.30E-01	--	1.34E-08
BENZO[A]PYRENE	4.18E-01	1.26E-06	1.79E-08	NA	7.30E+00	--	1.31E-07
BENZO(B)FLUORANTHENE	5.17E-01	1.55E-06	2.22E-08	NA	7.30E-01	--	1.62E-08
DIBENZ[A, H]ANTHRACENE	3.11E-01	9.35E-07	1.34E-08	NA	7.30E+00	--	9.75E-08
2-METHYLNAPHTHALENE	7.70E-01	2.31E-06	3.31E-08	2.00E-02	NA	1.16E-04	--
Cumulative Risk						**8.68E-02**	**2.04E-06**

TABLE B-27
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Total Soil**

Surface Area for Contact = SA	3,140 cm^2/event
Adherence Factor = AF	0.1 mg/cm^2
Absorption Factor = ABS	chemical-specific
Exposure Frequency = EF	80 event/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	5.63E-12	8.05E-14	NA	1.50E+05	--	1.21E-08
Inorganics							
ARSENIC	8.64E+00	2.55E-07	3.64E-09	3.00E-04	1.50E+00	8.49E-04	5.46E-09
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	5.46E-08	7.80E-10	NA	7.30E-01	--	5.69E-10
BENZO[A]PYRENE	4.18E-01	5.34E-08	7.63E-10	NA	7.30E+00	--	5.57E-09
BENZO(B)FLUORANTHENE	5.17E-01	6.61E-08	9.44E-10	NA	7.30E-01	--	6.89E-10
DIBENZ[A, H]ANTHRACENE	3.11E-01	3.97E-08	5.68E-10	NA	7.30E+00	--	4.15E-09
2-METHYLNAPHTHALENE	7.70E-01	9.84E-08	1.41E-09	2.00E-02	NA	4 92E-06	--
Cumulative Risk						**8.54E-04**	**2.85E-08**

TABLE B-28
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKER DUE TO EXPOSURE TO DERMAL CONTACT WITH TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Total Soil**

Surface Area for Contact = SA	3,800	cm^2/event
Adherence Factor = AF	0.3	mg/cm^2
Absorption Factor = ABS	chemical-specific	
Exposure Frequency = EF	160	event/yr
Exposure Duration = ED	1	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	365	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.91E-04	4.09E-11	5.84E-13	NA	1.50E+05	--	8.77E-08
Inorganics							
ARSENIC	8.64E+00	1.85E-06	2.64E-08	3.00E-04	1.50E+00	6.17E-03	3.97E-08
PAHs							
BENZ(A)ANTHRACENE	4.27E-01	3.96E-07	5.66E-09	NA	7.30E-01	--	4.13E-09
BENZO[A]PYRENE	4.18E-01	3.88E-07	5.54E-09	NA	7.30E+00	--	4.05E-08
BENZO(B)FLUORANTHENE	5.17E-01	4.80E-07	6.85E-09	NA	7.30E-01	--	5.00E-09
DIBENZ[A, H]ANTHRACENE	3.11E-01	2.89E-07	4.12E-09	NA	7.30E+00	--	3.01E-08
2-METHYLNAPHTHALENE	7.70E-01	7.15E-07	1.02E-08	2.00E-02	NA	3.57E-05	--
Cumulative Risk						**6.20E-03**	**2.07E-07**

TABLE B-29
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKER DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	1.5 m3/hr
Exposure Time = ET	8 hr/day
Exposure Frequency = EF	80 day/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.45E-13	5.44E-15	7.77E-17	NA	1.50E+05	--	1.17E-11
Inorganics							
ARSENIC	6.55E-09	2.46E-10	3.51E-12	NA	1.51E+01	--	5.31E-11
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	1.22E-11	1.74E-13	NA	3.10E-01	--	5.38E-14
BENZO[A]PYRENE	3.17E-10	1.19E-11	1.70E-13	NA	3.10E+00	--	5.27E-13
BENZO(B)FLUORANTHENE	3.92E-10	1.47E-11	2.10E-13	NA	3.10E-01	--	6.52E-14
DIBENZ[A, H]ANTHRACENE	2.36E-10	8.85E-12	1.26E-13	NA	NA	--	--
2-METHYLNAPHTHALENE	5.83E-10	2.19E-11	3.13E-13	NA	NA	--	--
Cumulative Risk						**0.00E+00**	**6.53E-11**

TABLE B-30
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO INHALATION OF PARTICULATES FROM TOTAL SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Total Soil**

Inhalation Rate = IR	2.5	m3/hr
Exposure Time = ET	8	hr/day
Exposure Frequency = EF	160	day/yr
Exposure Duration = ED	1	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	365	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	1.45E-13	1.81E-14	2.59E-16	NA	1.50E+05	--	3.88E-11
Inorganics							
ARSENIC	6.55E-09	8.20E-10	1.17E-11	NA	1.51E+01	--	1.77E-10
PAHs							
BENZ(A)ANTHRACENE	3.23E-10	4.05E-11	5.79E-13	NA	3.10E-01	--	1.79E-13
BENZO[A]PYRENE	3 17E-10	3.97E-11	5.67E-13	NA	3.10E+00	--	1.76E-12
BENZO(B)FLUORANTHENE	3.92E-10	4.91E-11	7.01E-13	NA	3.10E-01	--	2.17E-13
DIBENZ[A, H]ANTHRACENE	2.36E-10	2.95E-11	4.22E-13	NA	NA	--	--
2-METHYLNAPHTHALENE	5.83E-10	7.31E-11	1.04E-12	NA	NA	--	--
Cumulative Risk						**0.00E+00**	**2.18E-10**

TABLE B-31
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	50 mg/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	12 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	4,380 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	1.11E-11	1.91E-12	NA	1.50E+05	--	2.86E-07
Inorganics							
ARSENIC	2.67E+00	7.84E-07	1.34E-07	3.00E-04	1.50E+00	2.61E-03	2.02E-07
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	1.65E-07	2.82E-08	NA	7.30E-01	--	2.06E-08
BENZO[A]PYRENE	4.68E-01	1.37E-07	2.36E-08	NA	7.30E+00	--	1.72E-07
BENZO(B)FLUORANTHENE	6.78E-01	1.99E-07	3.41E-08	NA	7.30E-01	--	2.49E-08
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.12E-07	1.92E-08	NA	7.30E+00	--	1.40E-07
Cumulative Risk						**2.61E-03**	**8.45E-07**

TABLE B-32
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO EXPOSURES TO SURFACE SOIL INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Surface Soil**

Ingestion Rate = CR	50	mg/day
Exposure Frequency = EF	250	day/yr
Exposure Duration = ED	25	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	9,125	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	1.00E-06	kg/mg

Intake (mg/kg-day) = Conc * CR * EF * ED *CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	1.85E-11	6.62E-12	NA	1.50E+05	--	9.93E-07
Inorganics							
ARSENIC	2.67E+00	1.31E-06	4.67E-07	3.00E-04	1.50E+00	4.35E-03	7.00E-07
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	2.74E-07	9.80E-08	NA	7.30E-01	--	7.16E-08
BENZO[A]PYRENE	4.68E-01	2.29E-07	8.18E-08	NA	7.30E+00	--	5.97E-07
BENZO(B)FLUORANTHENE	6.78E-01	3.32E-07	1.18E-07	NA	7.30E-01	--	8.65E-08
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.86E-07	6.66E-08	NA	7.30E+00	--	4.86E-07
Cumulative Risk						**4.35E-03**	**2.93E-06**

TABLE B-33
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	3,100 cm^2/event
Adherence Factor = AF	0.02 mg/cm^2
Absorption Factor = ABS	chemical-specific
Exposure Frequency = EF	150 event/yr
Exposure Duration = ED	12 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	4,380 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	4.14E-13	7.09E-14	NA	1.50E+05	--	1.06E-08
Inorganics							
ARSENIC	2.67E+00	2.92E-08	5.00E-09	3.00E-04	1.50E+00	9.72E-05	7.50E-09
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	2.65E-08	4.55E-09	NA	7.30E-01	--	3.32E-09
BENZO[A]PYRENE	4.68E-01	2.21E-08	3.80E-09	NA	7.30E+00	--	2.77E-08
BENZO(B)FLUORANTHENE	6.78E-01	3.21E-08	5.50E-09	NA	7.30E-01	--	4.01E-09
DIBENZ[A, H]ANTHRACENE	3.81E-01	1.80E-08	3.09E-09	NA	7.30E+00	--	2.26E-08
Cumulative Risk						**9.72E-05**	**7.58E-08**

TABLE B-34
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Surface Soil**

Surface Area for Contact = SA	3,800 cm^2/event
Adherence Factor = AF	0.2 mg/cm^2
Absorption Factor = ABS	chemical-specific
Exposure Frequency = EF	250 event/yr
Exposure Duration = ED	25 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	9,125 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	1.00E-06 kg/mg

Intake (mg/kg-day) = Conc * SA * AF * ABS * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	3.79E-05	8.46E-12	3.02E-12	NA	1.50E+05	--	4.53E-07
Inorganics							
ARSENIC	2.67E+00	5.96E-07	2.13E-07	3.00E-04	1.50E+00	1.99E-03	3.19E-07
PAHs							
BENZ(A)ANTHRACENE	5.61E-01	5.42E-07	1.94E-07	NA	7.30E-01	--	1.41E-07
BENZO[A]PYRENE	4.68E-01	4.52E-07	1.62E-07	NA	7.30E+00	--	1.18E-06
BENZO(B)FLUORANTHENE	6.78E-01	6.55E-07	2.34E-07	NA	7.30E-01	--	1.71E-07
DIBENZ[A, H]ANTHRACENE	3.81E-01	3.68E-07	1.32E-07	NA	7.30E+00	--	9.60E-07
Cumulative Risk						**1.99E-03**	**3.22E-06**

TABLE B-35
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833 m3/hr
Exposure Time = ET	4 hr/day
Exposure Frequency = EF	150 day/yr
Exposure Duration = ED	12 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	4,380 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	5.62E-16	9.63E-17	NA	1.50E+05	--	1.44E-11
Inorganics							
ARSENIC	2.02E-09	3.96E-11	6.78E-12	NA	1.51E+01	--	1.02E-10
PAHs							
BENZ(A)ANTHRACENE	4 25E-10	8.31E-12	1.43E-12	NA	3.10E-01	--	4.42E-13
BENZO[A]PYRENE	3.55E-10	6.94E-12	1.19E-12	NA	3.10E+00	--	3.69E-12
BENZO(B)FLUORANTHENE	5.14E-10	1.00E-11	1.72E-12	NA	3.10E-01	--	5.34E-13
DIBENZ[A, H]ANTHRACENE	2.89E-10	5.65E-12	9.68E-13	NA	NA	--	--
Cumulative Risk						**0.00E+00**	**1.22E-10**

TABLE B-36
ESTIMATES OF CANCER AND NONCANCER RISKS FOR COMMERCIAL WORKERS DUE TO INHALATION OF PARTICULATES FROM SURFACE SOIL -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Particles from Surface Soil**

Inhalation Rate = IR	0.833	m3/hr
Exposure Time = ET	8	hr/day
Exposure Frequency = EF	250	day/yr
Exposure Duration = ED	25	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	9,125	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * IR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/m3)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Dioxin/Furans							
TCDD-TEQ	2.87E-14	1.87E-15	6.69E-16	NA	1.50E+05	--	1.00E-10
Inorganics							
ARSENIC	2.02E-09	1.32E-10	4.71E-11	NA	1.51E+01	--	7.11E-10
PAHs							
BENZ(A)ANTHRACENE	4.25E-10	2.77E-11	9.90E-12	NA	3.10E-01	--	3.07E-12
BENZO[A]PYRENE	3.55E-10	2.31E-11	8.26E-12	NA	3.10E+00	--	2.56E-11
BENZO(B)FLUORANTHENE	5.14E-10	3.35E-11	1.20E-11	NA	3.10E-01	--	3.71E-12
DIBENZ[A, H]ANTHRACENE	2.89E-10	1.88E-11	6.72E-12	NA	NA	--	--
Cumulative Risk						**0.00E+00**	**8.44E-10**

TABLE B-37
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Ingestion of Groundwater**

Ingestion Rate = CR	1.4 L/day
Exposure Frequency = EF	250 day/yr
Exposure Duration = ED	9 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	3,285 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	1.27E-02	1.63E-03	7.00E-02	NA	1.81E-01	--
MANGANESE	5.27E+00	7.22E-02	9.28E-03	2.00E-02	NA	3.61E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	1.58E-04	2.03E-05	2.20E-02	1.40E-02	7.16E-03	2.84E-07
1,4-DICHLOROBENZENE	2.00E-03	2.74E-05	3.52E-06	3.00E-02	2.40E-02	9.13E-04	8.45E-08
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	1.37E-05	1.76E-06	4.00E-03	5.70E-02	3.42E-03	1.00E-07
1,1-DICHLOROETHENE	2.00E-03	2.74E-05	3.52E-06	5.00E-02	NA	5.48E-04	--
1,2-DICHLOROETHANE	4.00E-04	5.48E-06	7.05E-07	3.00E-02	9.10E-02	1.83E-04	6.41E-08
ACETONE	1.30E-01	1.78E-03	2.29E-04	1.00E-01	NA	1.78E-02	--
BENZENE	1.00E-03	1.37E-05	1.76E-06	3.00E-03	5.50E-02	4.57E-03	9.69E-08
CHLOROFORM	5.00E-04	6.85E-06	8.81E-07	1.00E-02	6.10E-03	6.85E-04	5.37E-09
CIS-1,2-DICHLOROETHENE	1.10E-01	1.51E-03	1.94E-04	1.00E-02	NA	1.51E-01	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	1.51E-03	1.94E-04	2.00E-02	NA	7.53E-02	--
TRICHLOROETHENE	6.30E+00	8.63E-02	1.11E-02	6.00E-03	1.10E-02	1.44E+01	1.22E-04
VINYL CHLORIDE	2.00E-03	2.74E-05	3.52E-06	3.00E-03	1.50E+00	9.13E-03	5.28E-06
Cumulative Risk						**1.84E+01**	**1.28E-04**

TABLE B-38
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Ingestion of Groundwater**

Ingestion Rate = CR	2.3	L/day
Exposure Frequency = EF	350	day/yr
Exposure Duration = ED	24	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * CR * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	2.91E-02	9.98E-03	7.00E-02	NA	4.16E-01	--
MANGANESE	5.27E+00	1.66E-01	5.69E-02	2.00E-02	NA	8.30E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	3.62E-04	1.24E-04	2.20E-02	1.40E-02	1.65E-02	1.74E-06
1,4-DICHLOROBENZENE	2.00E-03	6.30E-05	2.16E-05	3.00E-02	2.40E-02	2.10E-03	5.19E-07
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	3.15E-05	1.08E-05	4.00E-03	5.70E-02	7.88E-03	6.16E-07
1,1-DICHLOROETHENE	2.00E-03	6.30E-05	2.16E-05	5.00E-02	NA	1.26E-03	--
1,2-DICHLOROETHANE	4.00E-04	1.26E-05	4.32E-06	3.00E-02	9.10E-02	4.20E-04	3.93E-07
ACETONE	1.30E-01	4.10E-03	1.40E-03	1.00E-01	NA	4.10E-02	--
BENZENE	1.00E-03	3.15E-05	1.08E-05	3.00E-03	5.50E-02	1.05E-02	5.94E-07
CHLOROFORM	5.00E-04	1.58E-05	5.40E-06	1.00E-02	6.10E-03	1.58E-03	3.29E-08
CIS-1,2-DICHLOROETHENE	1.10E-01	3.47E-03	1.19E-03	1.00E-02	NA	3.47E-01	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	3.47E-03	1.19E-03	2.00E-02	NA	1.73E-01	--
TRICHLOROETHENE	6.30E+00	1.98E-01	6.81E-02	6.00E-03	1.10E-02	3.31E+01	7.49E-04
VINYL CHLORIDE	2.00E-03	6.30E-05	2.16E-05	3.00E-03	1.50E+00	2.10E-02	3.24E-05
Cumulative Risk						**4.24E+01**	**7.85E-04**

TABLE B-39
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	18,200	cm2
Event Time = ET	0.166666667	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	250	day/yr
Exposure Duration = ED	9	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	3,285	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	2.74E-05	3.52E-06	4.90E-03	NA	5.59E-03	--
MANGANESE	5.27E+00	1.56E-04	2.01E-05	8.00E-04	NA	1.96E-01	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	7.85E-06	1.01E-06	2.20E-02	1.40E-02	3.57E-04	1.41E-08
1,4-DICHLOROBENZENE	2.00E-03	3.68E-06	4.73E-07	3.00E-02	2.40E-02	1.23E-04	1.14E-08
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	2.49E-07	3.21E-08	4.00E-03	5.70E-02	6.23E-05	1.83E-09
1,1-DICHLOROETHENE	2.00E-03	5.28E-07	6.79E-08	5.00E-02	NA	1.06E-05	--
1,2-DICHLOROETHANE	4.00E-04	6.29E-08	8.09E-09	3.00E-02	9.10E-02	2.10E-06	7.36E-10
ACETONE	1.30E-01	2.20E-06	2.83E-07	1.00E-01	NA	2.20E-05	--
BENZENE	1.00E-03	6.23E-07	8.01E-08	3.00E-03	5.50E-02	2.08E-04	4.41E-09
CHLOROFORM	5.00E-04	1.32E-07	1.70E-08	1.00E-02	6.10E-03	1.32E-05	1.04E-10
CIS-1,2-DICHLOROETHENE	1.10E-01	3.26E-05	4.20E-06	1.00E-02	NA	3.26E-03	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	3.59E-06	4.62E-07	2.00E-02	NA	1.80E-04	--
TRICHLOROETHENE	6.30E+00	2.99E-03	3.85E-04	6.00E-03	1.10E-02	4.99E-01	4.23E-06
VINYL CHLORIDE	2.00E-03	4.33E-07	5.57E-08	3.00E-03	1.50E+00	1.44E-04	8.36E-08
Cumulative Risk						**7.04E-01**	**4.35E-06**

TABLE B-40
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	22,000	cm2
Event Time = ET	0.583333333	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	350	day/yr
Exposure Duration = ED	24	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	1.62E-04	5.57E-05	4.90E-03	NA	3.31E-02	--
MANGANESE	5.27E+00	9.26E-04	3.18E-04	8.00E-04	NA	1.16E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	4.65E-05	1.59E-05	2.20E-02	1.40E-02	2.11E-03	2.23E-07
1,4-DICHLOROBENZENE	2.00E-03	2.18E-05	7.47E-06	3.00E-02	2.40E-02	7.27E-04	1.79E-07
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	1.48E-06	5.06E-07	4.00E-03	5.70E-02	3.69E-04	2.89E-08
1,1-DICHLOROETHENE	2.00E-03	3.13E-06	1.07E-06	5.00E-02	NA	6.26E-05	--
1,2-DICHLOROETHANE	4.00E-04	3.73E-07	1.28E-07	3.00E-02	9.10E-02	1.24E-05	1.16E-08
ACETONE	1.30E-01	1.30E-05	4.47E-06	1.00E-01	NA	1.30E-04	--
BENZENE	1.00E-03	3.69E-06	1.27E-06	3.00E-03	5.50E-02	1.23E-03	6.96E-08
CHLOROFORM	5.00E-04	7.82E-07	2.68E-07	1.00E-02	6.10E-03	7.82E-05	1.64E-09
CIS-1,2-DICHLOROETHENE	1.10E-01	1.93E-04	6.63E-05	1.00E-02	NA	1.93E-02	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	2.13E-05	7.29E-06	2.00E-02	NA	1.06E-03	--
TRICHLOROETHENE	6.30E+00	1.77E-02	6.08E-03	6.00E-03	1.10E-02	2.95E+00	6.68E-05
VINYL CHLORIDE	2.00E-03	2.57E-06	8.80E-07	3.00E-03	1.50E+00	8.56E-04	1.32E-06
Cumulative Risk						**4.17E+00**	**6.87E-05**

TABLE B-41
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO INHALATION OF VOLATILES FROM GROUNDWATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Inhalation of Volatiles from Groundwater**

Showers per Day = SD	1	event/day
Exposure Frequency = EF	175	day/yr
Exposure Duration = ED	9	yr
Averaging Time (Noncancer) = AT	3,285	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * EF * ED * SD / AT

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg/shower)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Volatiles							
1,1,2-TRICHLOROETHANE	3.34E-05	1.60E-05	2.06E-06	NA	5.60E-02	--	1.15E-07
1,1-DICHLOROETHENE	8.96E-05	4.30E-05	5.53E-06	5.70E-02	NA	7.54E-04	--
1,2-DICHLOROETHANE	1.51E-05	7.24E-06	9.30E-07	1.40E-03	9.10E-02	5.17E-03	8.47E-08
ACETONE	1.30E-03	6.21E-04	7.99E-05	NA	NA	--	--
BENZENE	4.73E-05	2.27E-05	2.91E-06	1.71E-03	2.90E-02	1.33E-02	8.45E-08
CHLOROFORM	1.99E-05	9.55E-06	1.23E-06	8.60E-04	8.05E-02	1.11E-02	9.88E-08
CIS-1,2-DICHLOROETHENE	4.75E-03	2.28E-03	2.93E-04	NA	NA	--	--
TOTAL 1,2-DICHLOROETHENE	4.87E-03	2.34E-03	3.00E-04	NA	NA	--	--
TRICHLOROETHENE	2.50E-01	1.20E-01	1.54E-02	NA	6.00E-03	--	9.26E-05
VINYL CHLORIDE	8.56E-05	4.10E-05	5.28E-06	2.90E-02	3.10E-02	1.42E-03	1.64E-07
Cumulative Risk						**3.17E-02**	**9.31E-05**

TABLE B-42
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RESIDENTS DUE TO INHALATION OF VOLATILES FROM GROUNDWATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Inhalation of Volatiles from Groundwater**

Showers per Day = SD	1	event/day
Exposure Frequency = EF	350	day/yr
Exposure Duration = ED	24	yr
Averaging Time (Non-Cancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * EF * ED * SD / AT

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/kg/shower)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Volatiles							
1,1,2-TRICHLOROETHANE	3.34E-05	3.21E-05	1.10E-05	NA	5.60E-02	--	6.16E-07
1,1-DICHLOROETHENE	8.96E-05	8.60E-05	2.95E-05	5.70E-02	NA	1.51E-03	--
1,2-DICHLOROETHANE	1.51E-05	1.45E-05	4.96E-06	1.40E-03	9.10E-02	1.03E-02	4.52E-07
ACETONE	1.30E-03	1.24E-03	4.26E-04	NA	NA	--	--
BENZENE	4.73E-05	4.53E-05	1.55E-05	1.71E-03	2.90E-02	2.65E-02	4.51E-07
CHLOROFORM	1.99E-05	1.91E-05	6.55E-06	8.60E-04	8.05E-02	2.22E-02	5.27E-07
CIS-1,2-DICHLOROETHENE	4.75E-03	4.56E-03	1.56E-03	NA	NA	--	--
TOTAL 1,2-DICHLOROETHENE	4.87E-03	4.67E-03	1.60E-03	NA	NA	--	--
TRICHLOROETHENE	2.50E-01	2.40E-01	8.23E-02	NA	6.00E-03	--	4.94E-04
VINYL CHLORIDE	8.56E-05	8.21E-05	2.81E-05	2.90E-02	3.10E-02	2.83E-03	8.73E-07
Cumulative Risk						**6.34E-02**	**4.97E-04**

TABLE B-43
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: Site 16

*** CTE- Ingestion of Groundwater**

Ingestion Rate = CR	0.74	L/day
Exposure Frequency = EF	250	day/yr
Exposure Duration = ED	2	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	730	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * CR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	3.12E-02	8.92E-04	7.00E-02	NA	4.46E-01	--
MANGANESE	5.27E+00	1.78E-01	5.09E-03	2.00E-02	NA	8.90E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	3.89E-04	1.11E-05	2.20E-02	1.40E-02	1.77E-02	1.55E-07
1,4-DICHLOROBENZENE	2.00E-03	6.76E-05	1.93E-06	3.00E-02	2.40E-02	2.25E-03	4.63E-08
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	3.38E-05	9.65E-07	4.00E-03	5.70E-02	8.45E-03	5.50E-08
1,1-DICHLOROETHENE	2.00E-03	6.76E-05	1.93E-06	5.00E-02	NA	1.35E-03	--
1,2-DICHLOROETHANE	4.00E-04	1.35E-05	3.86E-07	3.00E-02	9.10E-02	4.51E-04	3.51E-08
ACETONE	1.30E-01	4.39E-03	1.26E-04	1.00E-01	NA	4.39E-02	--
BENZENE	1.00E-03	3.38E-05	9.65E-07	3.00E-03	5.50E-02	1.13E-02	5.31E-08
CHLOROFORM	5.00E-04	1.69E-05	4.83E-07	1.00E-02	6.10E-03	1.69E-03	2.94E-09
CIS-1,2-DICHLOROETHENE	1.10E-01	3.72E-03	1.06E-04	1.00E-02	NA	3.72E-01	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	3.72E-03	1.06E-04	2.00E-02	NA	1.86E-01	--
TRICHLOROETHENE	6.30E+00	2.13E-01	6.08E-03	6.00E-03	1.10E-02	3.55E+01	6.69E-05
VINYL CHLORIDE	2.00E-03	6.76E-05	1.93E-06	3.00E-03	1.50E+00	2.25E-02	2.90E-06
Cumulative Risk						**4.55E+01**	**7.01E-05**

TABLE B-44
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Ingestion of Groundwater**

Ingestion Rate = CR	1.5 L/day
Exposure Frequency = EF	350 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	8.86E-02	7.59E-03	7.00E-02	NA	1.27E+00	--
MANGANESE	5.27E+00	5.05E-01	4.33E-02	2.00E-02	NA	2.53E+01	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	1.10E-03	9.45E-05	2.20E-02	1.40E-02	5.01E-02	1.32E-06
1,4-DICHLOROBENZENE	2.00E-03	1.92E-04	1.64E-05	3.00E-02	2.40E-02	6.39E-03	3.95E-07
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	9.59E-05	8.22E-06	4.00E-03	5.70E-02	2.40E-02	4.68E-07
1,1-DICHLOROETHENE	2.00E-03	1.92E-04	1.64E-05	5.00E-02	NA	3.84E-03	--
1,2-DICHLOROETHANE	4.00E-04	3.84E-05	3.29E-06	3.00E-02	9.10E-02	1.28E-03	2.99E-07
ACETONE	1.30E-01	1.25E-02	1.07E-03	1.00E-01	NA	1.25E-01	--
BENZENE	1.00E-03	9.59E-05	8.22E-06	3.00E-03	5.50E-02	3.20E-02	4.52E-07
CHLOROFORM	5.00E-04	4.79E-05	4.11E-06	1.00E-02	6.10E-03	4.79E-03	2.51E-08
CIS-1,2-DICHLOROETHENE	1.10E-01	1.05E-02	9.04E-04	1.00E-02	NA	1.05E+00	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	1.05E-02	9.04E-04	2.00E-02	NA	5.27E-01	--
TRICHLOROETHENE	6.30E+00	6.04E-01	5.18E-02	6.00E-03	1.10E-02	1.01E+02	5.70E-04
VINYL CHLORIDE	2.00E-03	1.92E-04	1.64E-05	3.00E-03	1.50E+00	6.39E-02	2.47E-05
Cumulative Risk						**1.29E+02**	**5.97E-04**

TABLE B-45
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: Site 16

*** CTE- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	9,000	cm2
Event Time = ET	0.33	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	250	day/yr
Exposure Duration = ED	2	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	730	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	1.25E-04	3.58E-06	4.90E-03	NA	2.56E-02	--
MANGANESE	5.27E+00	7.15E-04	2.04E-05	8.00E-04	NA	8.93E-01	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	3.59E-05	1.02E-06	2.20E-02	1.40E-02	1.63E-03	1.43E-08
1,4-DICHLOROBENZENE	2.00E-03	1.68E-05	4.80E-07	3.00E-02	2.40E-02	5.61E-04	1.15E-08
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	1.14E-06	3.25E-08	4.00E-03	5.70E-02	2.85E-04	1.86E-09
1,1-DICHLOROETHENE	2.00E-03	2.41E-06	6.90E-08	5.00E-02	NA	4.83E-05	--
1,2-DICHLOROETHANE	4.00E-04	2.88E-07	8.21E-09	3.00E-02	9.10E-02	9.58E-06	7.48E-10
ACETONE	1.30E-01	1.00E-05	2.87E-07	1.00E-01	NA	1.00E-04	--
BENZENE	1.00E-03	2.85E-06	8.14E-08	3.00E-03	5.50E-02	9.49E-04	4.48E-09
CHLOROFORM	5.00E-04	6.03E-07	1.72E-08	1.00E-02	6.10E-03	6.03E-05	1.05E-10
CIS-1,2-DICHLOROETHENE	1.10E-01	1.49E-04	4.26E-06	1.00E-02	NA	1.49E-02	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	1.64E-05	4.69E-07	2.00E-02	NA	8.20E-04	--
TRICHLOROETHENE	6.30E+00	1.37E-02	3.91E-04	6.00E-03	1.10E-02	2.28E+00	4.30E-06
VINYL CHLORIDE	2.00E-03	1.98E-06	5.66E-08	3.00E-03	1.50E+00	6.60E-04	8.49E-08
Cumulative Risk						**3.22E+00**	**4.41E-06**

TABLE B-46
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RESIDENTS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	10,500 cm2
Event Time = ET	1 hr/day
Permeability Constant = PC	chemical-specific cm/hr
Exposure Frequency = EF	350 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	0.001 L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	6.20E-04	5.31E-05	4.90E-03	NA	1.27E-01	--
MANGANESE	5.27E+00	3.54E-03	3.03E-04	8.00E-04	NA	4.42E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	1.78E-04	1.52E-05	2.20E-02	1.40E-02	8.07E-03	2.13E-07
1,4-DICHLOROBENZENE	2.00E-03	8.32E-05	7.13E-06	3.00E-02	2.40E-02	2.77E-03	1.71E-07
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	5.64E-06	4.83E-07	4.00E-03	5.70E-02	1.41E-03	2.75E-08
1,1-DICHLOROETHENE	2.00E-03	1.19E-05	1.02E-06	5.00E-02	NA	2.39E-04	--
1,2-DICHLOROETHANE	4.00E-04	1.42E-06	1.22E-07	3.00E-02	9.10E-02	4.74E-05	1.11E-08
ACETONE	1.30E-01	4.97E-05	4.26E-06	1.00E-01	NA	4.97E-04	--
BENZENE	1.00E-03	1.41E-05	1.21E-06	3.00E-03	5.50E-02	4.70E-03	6.65E-08
CHLOROFORM	5.00E-04	2.99E-06	2.56E-07	1.00E-02	6.10E-03	2.99E-04	1.56E-09
CIS-1,2-DICHLOROETHENE	1.10E-01	7.38E-04	6.33E-05	1.00E-02	NA	7.38E-02	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	8.12E-05	6.96E-06	2.00E-02	NA	4.06E-03	--
TRICHLOROETHENE	6.30E+00	6.77E-02	5.80E-03	6.00E-03	1.10E-02	1.13E+01	6.38E-05
VINYL CHLORIDE	2.00E-03	9.80E-06	8.40E-07	3.00E-03	1.50E+00	3.27E-03	1.26E-06
Cumulative Risk						**1.59E+01**	**6.55E-05**

TABLE B-47
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Ingestion of Groundwater**

Ingestion Rate = CR	0.025 L/day
Exposure Frequency = EF	80 day/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	7.23E-05	1.03E-06	7.00E-02	NA	1.03E-03	--
MANGANESE	5.27E+00	4.13E-04	5.89E-06	2.00E-02	NA	2.06E-02	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	9.00E-07	1.29E-08	2.20E-02	1.40E-02	4.09E-05	1.80E-10
1,4-DICHLOROBENZENE	2.00E-03	1.57E-07	2.24E-09	3.00E-02	2.40E-02	5.22E-06	5.37E-11
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	7.83E-08	1.12E-09	4.00E-03	5.70E-02	1.96E-05	6.37E-11
1,1-DICHLOROETHENE	2.00E-03	1.57E-07	2.24E-09	5.00E-02	NA	3.13E-06	--
1,2-DICHLOROETHANE	4.00E-04	3.13E-08	4.47E-10	3.00E-02	9.10E-02	1.04E-06	4.07E-11
ACETONE	1.30E-01	1.02E-05	1.45E-07	1.00E-01	NA	1.02E-04	--
BENZENE	1.00E-03	7.83E-08	1.12E-09	3.00E-03	5.50E-02	2.61E-05	6.15E-11
CHLOROFORM	5.00E-04	3.91E-08	5.59E-10	1.00E-02	6.10E-03	3.91E-06	3.41E-12
CIS-1,2-DICHLOROETHENE	1.10E-01	8.61E-06	1.23E-07	1.00E-02	NA	8.61E-04	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	8.61E-06	1.23E-07	2.00E-02	NA	4.31E-04	--
TRICHLOROETHENE	6.30E+00	4.93E-04	7.05E-06	6.00E-03	1.10E-02	8.22E-02	7.75E-08
VINYL CHLORIDE	2.00E-03	1.57E-07	2.24E-09	3.00E-03	1.50E+00	5.22E-05	3.35E-09
Cumulative Risk						**1.05E-01**	**8.13E-08**

TABLE B-48
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURES TO GROUNDWATER INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: Site 16

*** RME- Incidental Ingestion of Groundwater**

Ingestion Rate = CR	0.05 L/day
Exposure Frequency = EF	160 day/yr
Exposure Duration = ED	1 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	365 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	2.89E-04	4.13E-06	7.00E-02	NA	4.13E-03	--
MANGANESE	5.27E+00	1.65E-03	2.36E-05	2.00E-02	NA	8.25E-02	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	3.60E-06	5.14E-08	2.20E-02	1.40E-02	1.64E-04	7.20E-10
1,4-DICHLOROBENZENE	2.00E-03	6.26E-07	8.95E-09	3.00E-02	2.40E-02	2.09E-05	2.15E-10
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	3.13E-07	4.47E-09	4.00E-03	5.70E-02	7.83E-05	2.55E-10
1,1-DICHLOROETHENE	2.00E-03	6.26E-07	8.95E-09	5.00E-02	NA	1.25E-05	--
1,2-DICHLOROETHANE	4.00E-04	1.25E-07	1.79E-09	3.00E-02	9.10E-02	4.17E-06	1.63E-10
ACETONE	1.30E-01	4.07E-05	5.81E-07	1.00E-01	NA	4.07E-04	--
BENZENE	1.00E-03	3.13E-07	4.47E-09	3.00E-03	5.50E-02	1.04E-04	2.46E-10
CHLOROFORM	5.00E-04	1.57E-07	2.24E-09	1.00E-02	6.10E-03	1.57E-05	1.36E-11
CIS-1,2-DICHLOROETHENE	1.10E-01	3.44E-05	4.92E-07	1.00E-02	NA	3.44E-03	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	3.44E-05	4.92E-07	2.00E-02	NA	1.72E-03	--
TRICHLOROETHENE	6.30E+00	1.97E-03	2.82E-05	6.00E-03	1.10E-02	3.29E-01	3.10E-07
VINYL CHLORIDE	2.00E-03	6.26E-07	8.95E-09	3.00E-03	1.50E+00	2.09E-04	1.34E-08
Cumulative Risk						**4.22E-01**	**3.25E-07**

TABLE B-49
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: Site 16

*** CTE- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	2,300	cm2
Event Time = ET	8	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	80	day/yr
Exposure Duration = ED	1	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	365	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	5.32E-05	7.60E-07	4.90E-03	NA	1.09E-02	--
MANGANESE	5.27E+00	3.04E-04	4.34E-06	8.00E-04	NA	3.80E-01	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	1.52E-05	2.18E-07	2.20E-02	1.40E-02	6.93E-04	3.05E-09
1,4-DICHLOROBENZENE	2.00E-03	7.14E-06	1.02E-07	3.00E-02	2.40E-02	2.38E-04	2.45E-09
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	4.84E-07	6.91E-09	4.00E-03	5.70E-02	1.21E-04	3.94E-10
1,1-DICHLOROETHENE	2.00E-03	1.03E-06	1.47E-08	5.00E-02	NA	2.05E-05	--
1,2-DICHLOROETHANE	4.00E-04	1.22E-07	1.74E-09	3.00E-02	9.10E-02	4.07E-06	1.59E-10
ACETONE	1.30E-01	4.27E-06	6.10E-08	1.00E-01	NA	4.27E-05	--
BENZENE	1.00E-03	1.21E-06	1.73E-08	3.00E-03	5.50E-02	4.03E-04	9.51E-10
CHLOROFORM	5.00E-04	2.56E-07	3.66E-09	1.00E-02	6.10E-03	2.56E-05	2.23E-11
CIS-1,2-DICHLOROETHENE	1.10E-01	6.34E-05	9.05E-07	1.00E-02	NA	6.34E-03	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	6.97E-06	9.96E-08	2.00E-02	NA	3.49E-04	--
TRICHLOROETHENE	6.30E+00	5.81E-03	8.30E-05	6.00E-03	1.10E-02	9.68E-01	9.13E-07
VINYL CHLORIDE	2.00E-03	8.41E-07	1.20E-08	3.00E-03	1.50E+00	2.80E-04	1.80E-08
Cumulative Risk						**1.37E+00**	**9.38E-07**

TABLE B-50
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CONSTRUCTION WORKERS DUE TO EXPOSURE TO DERMAL CONTACT WITH GROUNDWATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: Site 16

*** RME- Dermal Contact with Groundwater**

Surface Area Available for Contact = SA	5,700	cm2
Event Time = ET	8	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	160	day/yr
Exposure Duration = ED	1	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	365	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
BARIUM	9.24E-01	2.64E-04	3.77E-06	4.90E-03	NA	5.38E-02	--
MANGANESE	5.27E+00	1.50E-03	2.15E-05	8.00E-04	NA	1.88E+00	--
Semivolatiles							
BIS(2-ETHYLHEXYL)PHTHALATE	1.15E-02	7.55E-05	1.08E-06	2.20E-02	1.40E-02	3.43E-03	1.51E-08
1,4-DICHLOROBENZENE	2.00E-03	3.54E-05	5.06E-07	3.00E-02	2.40E-02	1.18E-03	1.21E-08
Volatiles							
1,1,2-TRICHLOROETHANE	1.00E-03	2.40E-06	3.43E-08	4.00E-03	5.70E-02	6.00E-04	1.95E-09
1,1-DICHLOROETHENE	2.00E-03	5.08E-06	7.26E-08	5.00E-02	NA	1.02E-04	--
1,2-DICHLOROETHANE	4.00E-04	6.05E-07	8.65E-09	3.00E-02	9.10E-02	2.02E-05	7.87E-10
ACETONE	1.30E-01	2.12E-05	3.02E-07	1.00E-01	NA	2.12E-04	--
BENZENE	1.00E-03	6.00E-06	8.57E-08	3.00E-03	5.50E-02	2.00E-03	4.71E-09
CHLOROFORM	5.00E-04	1.27E-06	1.82E-08	1.00E-02	6.10E-03	1.27E-04	1.11E-10
CIS-1,2-DICHLOROETHENE	1.10E-01	3.14E-04	4.49E-06	1.00E-02	NA	3.14E-02	--
TOTAL 1,2-DICHLOROETHENE	1.10E-01	3.46E-05	4.94E-07	2.00E-02	NA	1.73E-03	--
TRICHLOROETHENE	6.30E+00	2.88E-02	4.11E-04	6.00E-03	1.10E-02	4.80E+00	4.52E-06
VINYL CHLORIDE	2.00E-03	4 17E-06	5.96E-08	3.00E-03	1.50E+00	1.39E-03	8.93E-08
Cumulative Risk						**6.77E+00**	**4.65E-06**

TABLE B-51
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURES TO SEEP WATER INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Seep Water**

Ingestion Rate = CR	0.025	L/hr
Exposure Time=ET	0.5	hr/day
Exposure Frequency = EF	4	day/yr
Exposure Duration = ED	9	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	3,285	days
Averaging Time (Cancer) = AT	25,550	days

Intake (mg/kg-day) = Conc * CR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	6.69E-09	8.60E-10	3.00E-04	1.50E+00	2.23E-05	1.29E-09
BARIUM	3.70E-01	7.24E-07	9.31E-08	7.00E-02	NA	1.03E-05	--
MANGANESE	2.17E+00	4.25E-06	5.46E-07	2.00E-02	NA	2.12E-04	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	1.86E-09	2.39E-10	2.00E-02	NA	9.30E-08	--
NAPHTHALENE	4.00E-03	7.83E-09	1.01E-09	2.00E-02	NA	3.91E-07	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	6.36E-11	8.18E-12	NA	6.30E+00	--	5.15E-11
DIELDRIN	4.24E-05	8.30E-11	1.07E-11	5.00E-05	1.60E+01	1.66E-06	1.71E-10
HEPTACHLOR EPOXIDE	2.00E-05	3.91E-11	5.03E-12	1.30E-05	9.10E+00	3.01E-06	4.58E-11
Semivolatiles							
DIBENZOFURAN	1.15E-02	2.25E-08	2.89E-09	4.00E-03	NA	5.63E-06	--
Volatiles							
VINYL CHLORIDE	6.68E-04	1.31E-09	1.68E-10	3.00E-03	1.50E+00	4.36E-07	2.52E-10
Cumulative Risk						**2.56E-04**	**1.81E-09**

TABLE B-52
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURES TO SEEP WATER INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Incidental Ingestion of Seep Water**

Ingestion Rate = CR	0.05 L/hr
Exposure Time=ET	1 hr/day
Exposure Frequency = EF	7 day/yr
Exposure Duration = ED	24 yr
Body Weight = BW	70 kg
Averaging Time (Noncancer) = AT	8,760 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	4.68E-08	1.61E-08	3.00E-04	1.50E+00	1.56E-04	2.41E-08
BARIUM	3.70E-01	5.07E-06	1.74E-06	7.00E-02	NA	7.24E-05	--
MANGANESE	2.17E+00	2.97E-05	1.02E-05	2.00E-02	NA	1.49E-03	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	1.30E-08	4.46E-09	2.00E-02	NA	6.51E-07	--
NAPHTHALENE	4.00E-03	5.48E-08	1.88E-08	2.00E-02	NA	2.74E-06	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	4.45E-10	1.53E-10	NA	6.30E+00	--	9.62E-10
DIELDRIN	4.24E-05	5.81E-10	1.99E-10	5.00E-05	1.60E+01	1.16E-05	3.19E-09
HEPTACHLOR EPOXIDE	2.00E-05	2.74E-10	9.39E-11	1.30E-05	9.10E+00	2.11E-05	8.55E-10
Semivolatiles							
DIBENZOFURAN	1.15E-02	1.58E-07	5.40E-08	4.00E-03	NA	3.94E-05	--
Volatiles							
VINYL CHLORIDE	6.68E-04	9.15E-09	3.14E-09	3.00E-03	1.50E+00	3.05E-06	4.71E-09
Cumulative Risk						**1.79E-03**	**3.38E-08**

TABLE B-53
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SEEP WATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Seep Water**

Surface Area for Contact=SA	5,000	cm2
Event Time = ET	0.5	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	4	day/yr
Exposure Duration = ED	9	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	3,285	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	1.34E-09	1.72E-10	3.00E-04	1.50E+00	4.46E-06	2.58E-10
BARIUM	3.70E-01	1.45E-07	1.86E-08	4.90E-03	NA	2.96E-05	--
MANGANESE	2.17E+00	8.49E-07	1.09E-07	8.00E-04	NA	1.06E-03	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	2.57E-08	3.30E-09	2.00E-02	NA	1.28E-06	--
NAPHTHALENE	4.00E-03	1.08E-07	1.39E-08	2.00E-02	NA	5.40E-06	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	2.42E-10	3.11E-11	NA	6.30E+00	--	1.96E-10
DIELDRIN	4.24E-05	2.66E-11	3.41E-12	5.00E-05	1.60E+01	5.31E-07	5.46E-11
HEPTACHLOR EPOXIDE	2.00E-05	8.61E-11	1.11E-11	1.30E-05	9.10E+00	6.62E-06	1.01E-10
Semivolatiles							
DIBENZOFURAN	1.15E-02	2.75E-07	3.53E-08	4.00E-03	NA	6.86E-05	--
Volatiles							
VINYL CHLORIDE	6.68E-04	1.91E-09	2.45E-10	3.00E-03	1.50E+00	6.36E-07	3.68E-10
Cumulative Risk						**1.18E-03**	**9.77E-10**

TABLE B-54
ESTIMATES OF CANCER AND NONCANCER RISKS FOR ADULT RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SEEP WATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Seep Water**

Surface Area Available for Contact = SA	6,700	cm2
Event Time = ET	1.0	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	7	day/yr
Exposure Duration = ED	24	yr
Body Weight = BW	70	kg
Averaging Time (Noncancer) = AT	8,760	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	6.28E-09	2.15E-09	3.00E-04	1.50E+00	2.09E-05	3.23E-09
BARIUM	3.70E-01	6.79E-07	2.33E-07	4.90E-03	NA	1.39E-04	--
MANGANESE	2.17E+00	3.98E-06	1.37E-06	8.00E-04	NA	4.98E-03	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	1.20E-07	4.13E-08	2.00E-02	NA	6.02E-06	--
NAPHTHALENE	4.00E-03	5.07E-07	1.74E-07	2.00E-02	NA	2.53E-05	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	1.13E-09	3.89E-10	NA	6.30E+00	--	2.45E-09
DIELDRIN	4.24E-05	1.25E-10	4.27E-11	5.00E-05	1.60E+01	2.49E-06	6.83E-10
HEPTACHLOR EPOXIDE	2.00E-05	4.04E-10	1.38E-10	1.30E-05	9.10E+00	3.11E-05	1.26E-09
Semivolatiles							
DIBENZOFURAN	1.15E-02	1.29E-06	4.41E-07	4.00E-03	NA	3.22E-04	--
Volatiles							
VINYL CHLORIDE	6.68E-04	8.95E-09	3.07E-09	3.00E-03	1.50E+00	2.98E-06	4.60E-09
Cumulative Risk						**5.53E-03**	**1.22E-08**

TABLE B-55
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURES TO SEEP WATER INGESTION -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Incidental Ingestion of Seep Water**

Ingestion Rate = CR	0.025 L/hr
Exposure Time=ET	0.5 hr/day
Exposure Frequency = EF	4 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	3.12E-08	8.92E-10	3.00E-04	1.50E+00	1.04E-04	1.34E-09
BARIUM	3.70E-01	3.38E-06	9.65E-08	7.00E-02	NA	4.83E-05	--
MANGANESE	2.17E+00	1.98E-05	5.66E-07	2.00E-02	NA	9.91E-04	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	8.68E-09	2.48E-10	2.00E-02	NA	4.34E-07	--
NAPHTHALENE	4.00E-03	3.65E-08	1.04E-09	2.00E-02	NA	1.83E-06	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	2.97E-10	8.48E-12	NA	6.30E+00	--	5.34E-11
DIELDRIN	4.24E-05	3.87E-10	1.11E-11	5.00E-05	1.60E+01	7.74E-06	1.77E-10
HEPTACHLOR EPOXIDE	2.00E-05	1.83E-10	5.22E-12	1.30E-05	9.10E+00	1.40E-05	4.75E-11
Semivolatiles							
DIBENZOFURAN	1.15E-02	1.05E-07	3.00E-09	4.00E-03	NA	2.63E-05	--
Volatiles							
VINYL CHLORIDE	6.68E-04	6.10E-09	1.74E-10	3.00E-03	1.50E+00	2.03E-06	2.61E-10
Cumulative Risk						**1.20E-03**	**1.88E-09**

TABLE B-56
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURES TO SEEP WATER INGESTION -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: Site 16

*** RME- Incidental Ingestion of Seep Water**

Ingestion Rate = CR	0.05 L/hr
Exposure Time=ET	1.0 hr/day
Exposure Frequency = EF	7 day/yr
Exposure Duration = ED	6 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	2,190 days
Averaging Time (Cancer) = AT	25,550 days

Intake (mg/kg-day) = Conc * CR * ET * EF * ED / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	2.19E-07	1.87E-08	3.00E-04	1.50E+00	7.29E-04	2.81E-08
BARIUM	3.70E-01	2.37E-05	2.03E-06	7.00E-02	NA	3.38E-04	--
MANGANESE	2.17E+00	1.39E-04	1.19E-05	2.00E-02	NA	6.94E-03	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	6.07E-08	5.21E-09	2.00E-02	NA	3.04E-06	--
NAPHTHALENE	4.00E-03	2.56E-07	2.19E-08	2.00E-02	NA	1.28E-05	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	2.08E-09	1.78E-10	NA	6.30E+00	--	1.12E-09
DIELDRIN	4.24E-05	2.71E-09	2.32E-10	5.00E-05	1.60E+01	5.42E-05	3.72E-09
HEPTACHLOR EPOXIDE	2.00E-05	1.28E-09	1.10E-10	1.30E-05	9.10E+00	9.83E-05	9.97E-10
Semivolatiles							
DIBENZOFURAN	1.15E-02	7.35E-07	6.30E-08	4.00E-03	NA	1.84E-04	--
Volatiles							
VINYL CHLORIDE	6.68E-04	4.27E-08	3.66E-09	3.00E-03	1.50E+00	1.42E-05	5.49E-09
Cumulative Risk						**8.37E-03**	**3.94E-08**

TABLE B-57
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SEEP WATER -- CENTRAL TENDENCY EXPOSURE SCENARIO (CTE)

Site Number: **Site 16**

*** CTE- Dermal Contact with Seep Water**

Surface Area Available for Contact = SA	2,700 cm2
Event Time = ET	0.5 hr/day
Permeability Constant = PC	chemical-specific cm/hr
Exposure Frequency = EF	4 day/yr
Exposure Duration = ED	2 yr
Body Weight = BW	15 kg
Averaging Time (Noncancer) = AT	730 days
Averaging Time (Cancer) = AT	25,550 days
Conversion Factor = CF	0.001 L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	3.37E-09	9.64E-11	3.00E-04	1.50E+00	1.12E-05	1.45E-10
BARIUM	3.70E-01	3.65E-07	1.04E-08	4.90E-03	NA	7.45E-05	--
MANGANESE	2.17E+00	2.14E-06	6.12E-08	8.00E-04	NA	2.68E-03	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	6.47E-08	1.85E-09	2.00E-02	NA	3.23E-06	--
NAPHTHALENE	4.00E-03	2.72E-07	7.78E-09	2.00E-02	NA	1.36E-05	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	6.09E-10	1.74E-11	NA	6.30E+00	--	1.10E-10
DIELDRIN	4.24E-05	6.69E-11	1.91E-12	5.00E-05	1.60E+01	1.34E-06	3.06E-11
HEPTACHLOR EPOXIDE	2.00E-05	2.17E-10	6.20E-12	1.30E-05	9.10E+00	1.67E-05	5.64E-11
Semivolatiles							
DIBENZOFURAN	1.15E-02	6.92E-07	1.98E-08	4.00E-03	NA	1.73E-04	--
Volatiles							
VINYL CHLORIDE	6.68E-04	4.81E-09	1.37E-10	3.00E-03	1.50E+00	1.60E-06	2.06E-10
Cumulative Risk						**2.97E-03**	**5.47E-10**

TABLE B-58
ESTIMATES OF CANCER AND NONCANCER RISKS FOR CHILD RECREATIONAL USERS DUE TO EXPOSURE TO DERMAL CONTACT WITH SEEP WATER -- REASONABLE MAXIMUM SCENARIO (RME)

Site Number: **Site 16**

*** RME- Dermal Contact with Seep Water**

Surface Area Available for Contact = SA	3,300	cm2
Event Time = ET	1.0	hr/day
Permeability Constant = PC	chemical-specific	cm/hr
Exposure Frequency = EF	7	day/yr
Exposure Duration = ED	6	yr
Body Weight = BW	15	kg
Averaging Time (Noncancer) = AT	2,190	days
Averaging Time (Cancer) = AT	25,550	days
Conversion Factor = CF	0.001	L/cm3

Intake (mg/kg-day) = Conc * SA * PC * ET * EF * ED * CF / (BW * AT)

NCADI = Daily intake - Noncarcinogens
CADI = Daily Intake - Carcinogens
HQ = Hazard Quotient - Noncarcinogens = NCADI / RfD
Risk = Cancer Risk = CADI * SF

Chemical of Concern	EPC (mg/L)	NCADI (mg/kg-day)	CADI (mg/kg-day)	Chronic RfD (mg/kg-day)	SF per (mg/kg-day)	HQ	Risk
Inorganics							
ARSENIC	3.42E-03	1.44E-08	1.24E-09	3.00E-04	1.50E+00	4.81E-05	1.86E-09
BARIUM	3.70E-01	1.56E-06	1.34E-07	4.90E-03	NA	3.19E-04	--
MANGANESE	2.17E+00	9.16E-06	7.85E-07	8.00E-04	NA	1.14E-02	--
PAHs							
2-METHYLNAPHTHALENE	9.50E-04	2.77E-07	2.37E-08	2.00E-02	NA	1.38E-05	--
NAPHTHALENE	4.00E-03	1.16E-06	9.98E-08	2.00E-02	NA	5.82E-05	--
Pesticides/PCBs							
ALPHA-BHC	3.25E-05	2.61E-09	2.23E-10	NA	6.30E+00	--	1.41E-09
DIELDRIN	4.24E-05	2.86E-10	2.45E-11	5.00E-05	1.60E+01	5.72E-06	3.93E-10
HEPTACHLOR EPOXIDE	2.00E-05	9.28E-10	7.96E-11	1.30E-05	9.10E+00	7.14E-05	7.24E-10
Semivolatiles							
DIBENZOFURAN	1.15E-02	2.96E-06	2.54E-07	4.00E-03	NA	7.40E-04	--
Volatiles							
VINYL CHLORIDE	6.68E-04	2.06E-08	1.76E-09	3.00E-03	1.50E+00	6.86E-06	2.65E-09
Cumulative Risk						**1.27E-02**	**7.02E-09**

TABLE B-59
CALCULATIONS OF AIR CONCENTRATIONS DUE TO DUST ENTRAINMENT FROM SURFACE SOIL AND TOTAL SOIL

Site Number: **Site 16**

Model Equations.

Particulate Emmision Factor	PEF = Q/C x [(3,600 s/h)/(36 x (1- V) x (Um/Ut)^3 x F(x))] =	1.32E+09 m3/kg
Air Concentration	Cair = Csoil/PEF	

Model Constants:

Q/C	90.8	g/m2-s per kg/m3	Inverse Mean Concentration at Center of 0.05 square, U.S. EPA 1996
V	0.5	unitless	Default, U.S. EPA 1996
Um	4.69	m/s	Mean annual wind speed, EPA, 1996
Ut	11.32	m/s	Equivalent thresghold value of windspeed at 7 m, EPA, 1996
F(x)	0.194	unitless	Default, U.S. EPA 1996

Reference for the model. USEPA Soil Screening Guidance: Technical Background Document. Office of Emergency and Remedial Response. U S. EPA, 1996

Chemical	Csoil, Surface Soil		Csoil, Total Soil		Cair, Surface Soil Particulate		Cair, Total Soil Particulate	
	CTE EPC mg/kg	RME EPC mg/kg	CTE EPC mg/kg	RME EPC mg/kg	CTE EPC mg/m3	RME EPC mg/m3	CTE EPC mg/m3	RME EPC mg/m3
Dioxin/Furans								
TCDD-TEQ	3.79E-05	3.79E-05	1.91E-04	1.91E-04	2 87E-14	2.87E-14	1 45E-13	1.45E-13
Inorganics								
ALUMINUM	5 97E+03	5.97E+03	6.61E+03	6.61E+03	4.52E-06	4.52E-06	5 01E-06	5.01E-06
ANTIMONY	NA	NA	1 32E+00	1 32E+00	NA	NA	1.00E-09	1 00E-09
ARSENIC	2.67E+00	2.67E+00	8 64E+00	8.64E+00	2 02E-09	2.02E-09	6.55E-09	6 55E-09
BARIUM	NA	NA	8.50E+01	8.50E+01	NA	NA	6.44E-08	6 44E-08
COPPER	NA	NA	5.56E+01	5.56E+01	NA	NA	4 21E-08	4.21E-08
MANGANESE	1.85E+02	1.85E+02	2.00E+02	2 00E+02	1.40E-07	1.40E-07	1.52E-07	1.52E-07
THALLIUM	3 07E-01	3.07E-01	3.36E-01	3.36E-01	2.33E-10	2.33E-10	2.55E-10	2.55E-10
PAHs								
BENZ(A)ANTHRACENE	5 61E-01	5.61E-01	4.27E-01	4.27E-01	4.25E-10	4.25E-10	3.23E-10	3 23E-10
BENZO[A]PYRENE	4 68E-01	4.68E-01	4 18E-01	4.18E-01	3.55E-10	3 55E-10	3.17E-10	3 17E-10
BENZO(B)FLUORANTHENE	6.78E-01	6 78E-01	5 17E-01	5.17E-01	5 14E-10	5.14E-10	3.92E-10	3.92E-10
DIBENZ[A, H]ANTHRACENE	3.81E-01	3.81E-01	3.11E-01	3.11E-01	2.89E-10	2.89E-10	2 36E-10	2.36E-10
INDENO(1,2,3-CD)PYRENE	4.17E-01	4.17E-01	3.51E-01	3.51E-01	3.16E-10	3.16E-10	2.66E-10	2 66E-10
2-METHYLNAPHTHALENE	NA	NA	7.70E-01	7.70E-01	NA	NA	5.83E-10	5.83E-10
NAPHTHALENE	NA	NA	4 91E-01	4.91E-01	NA	NA	3.72E-10	3.72E-10

NA = Not applicable because the chemical is not a COPC in this media.

TABLE B-60
INPUTS FOR ADULT RESIDENT SHOWER MODEL
DAVISVILLE SITE 16

Parameters in the Model	Units	Value
Liquid Phase t.c. CO2	cm/h	20
Gas Phase t.c. H2O	cm/h	3000
Water Viscosity at 20C	cp	1.002
Water Viscosity at 45C	cp	0.596
Shower Temp	K	318
Droplet Diameter	mm	1
Drop Time	s	2
Shower Flow Rate	L/min	20
Shower Stall Volume	m^3	6.00E+00
Shower Duration	min	1.20E+01
Air Exchange Rate	min^{-1}	0.0166667
Body Weight	kg	70
RT	atm-m^3/mol	2.40E-02
Duration in Shower Room	min	2.00E+01
Ventillation Rate	L/min	1.40E+01

TABLE B-61
CHEMICAL PHYSICAL PARAMETERS FOR ADULT RESIDENT SHOWER MODEL
DAVISVILLE SITE 16

Chemical	Henry's Law atm-m3/mol-K	Molecular Weight g/mol	Gas Phase Transfer Coefficient cm/hr	Liquid Phase Transfer Coefficient cm/hr	Overall Mass Transfer Coefficient cm/hr	Adjusted Overall Mass Transfer Coefficient cm/hr
1,1,2-Trichloroethane	9.10E-04	1.30E+02	1.12E+03	1.16E+01	9.13E+00	1.23E+01
1,1-Dichloroethene	2.60E-02	9.70E+01	1.29E+03	1.35E+01	1.33E+01	1.80E+01
1,2-Dichloroethane	9.80E-04	9.90E+01	1.28E+03	1.33E+01	1.06E+01	1.43E+01
Acetone	3.90E-05	5.80E+01	1.67E+03	1.74E+01	2.35E+00	3.17E+00
Benzene	5.56E-03	7.81E+01	1.44E+03	1.50E+01	1.44E+01	1.94E+01
Chloroform	3.70E-03	1.19E+02	1.17E+03	1.22E+01	1.14E+01	1.54E+01
cis 1,2-Dichloroethene	4.10E-03	9.70E+01	1.29E+03	1.35E+01	1.27E+01	1.71E+01
total 1,2-Dichloroethene	9.40E-03	9.70E+01	1.29E+03	1.35E+01	1.31E+01	1.77E+01
Trichloroethene	1.00E-02	1.30E+02	1.12E+03	1.16E+01	1.14E+01	1.53E+01
Vinyl chloride	2.70E-02	1.10E+02	1.21E+03	1.26E+01	1.25E+01	1.69E+01

Henry's Law and Molecular Weight information from www.epa.gov/region09/waste/sfund/prg/s5_02.htm

TABLE B-62
ESTIMATES OF EXPOSURE POINT CONCENTRATIONS FOR ADULT RESIDENT SHOWER MODEL
DAVISVILLE SITE 16

Chemical	RME Groundwater Concentration ug/L	Concentration Leaving Shower Droplet ug/L	Indoor VOC Generation Rate ug/m3-min	Inhalation Exposure Per Shower mg/kg/shower
1,1,2-Trichloroethane	1.00E+00	3.37E-01	1.12E+00	3.34E-05
1,1-Dichloroethene	2.00E+00	9.03E-01	3.01E+00	8.96E-05
1,2-Dichloroethane	4.00E-01	1.52E-01	5.07E-01	1.51E-05
Acetone	1.30E+02	1.31E+01	4.35E+01	1.30E-03
Benzene	1.00E+00	4.76E-01	1.59E+00	4.73E-05
Chloroform	5.00E-01	2.01E-01	6.69E-01	1.99E-05
cis 1,2-Dichloroethene	1.10E+02	4.79E+01	1.60E+02	4.75E-03
total 1,2-Dichloroethene	1.10E+02	4.91E+01	1.64E+02	4.87E-03
Trichloroethene	6.30E+03	2.52E+03	8.40E+03	2.50E-01
Vinyl chloride	2.00E+00	8.63E-01	2.88E+00	8.56E-05

Chemical	CTE Groundwater Concentration ug/L	Concentration Leaving Shower Droplet ug/L	Indoor VOC Generation Rate ug/m3-min	Inhalation Exposure Per Shower mg/kg/shower
1,1,2-Trichloroethane	1.00E+00	3.37E-01	1.12E+00	3.34E-05
1,1-Dichloroethene	2.00E+00	9.03E-01	3.01E+00	8.96E-05
1,2-Dichloroethane	4.00E-01	1.52E-01	5.07E-01	1.51E-05
Acetone	1.30E+02	1.31E+01	4.35E+01	1.30E-03
Benzene	1.00E+00	4.76E-01	1.59E+00	4.73E-05
Chloroform	5.00E-01	2.01E-01	6.69E-01	1.99E-05
cis 1,2-Dichloroethene	1.10E+02	4.79E+01	1.60E+02	4.75E-03
total 1,2-Dichloroethene	1.10E+02	4.91E+01	1.64E+02	4.87E-03
Trichloroethene	6.30E+03	2.52E+03	8.40E+03	2.50E-01
Vinyl chloride	2.00E+00	8.63E-01	2.88E+00	8.56E-05

ATTACHMENT C
TOXICOLOGICAL PROFILES

DAVISVILLE SITE 16
HUMAN HEALTH RISK ASSESSMENT

ACETONE

Acetone (C_3H_6O, CAS Registry Number 67-64-1) is a commonly used industrial solvent. It is also found in many household products, such as nail polish removers, paint removers, detergents or cleansers, many liquid or paste waxes or polishes, and particle board. Isopropyl alcohol metabolizes to acetone in the body (ATSDR 1994).

Cancer

Acetone is currently unclassified as to its human carcinogenicity (Category D) (USEPA 2001).

Mutagenicity

Acetone is negative in the following mutagenicity/genotoxicity assays: Syrian hamster embryo clonal assay; cell transformation in mouse and F344 rat embryos; Ames assay without metabolic activation; and *in vitro* cytogenetics and sister chromatid exchange in nonhuman cells (Calabrese and Kenyon 1991). Acetone was positive in *in vitro* cytogenetics assays with fungal (yeast) cells and cultured hamster fibroblasts (Calabrese and Kenyon 1991).

Systemic Toxicity

Acetone administered by gavage to groups of albino rats (30/sex/group) at 100 mg/kg-day (EPA 1986) for 90 days produced no observable effects. At 500 mg/kg-day, kidney weights significantly increased in females, hyaline droplet accumulation increased significantly in males and tubular degeneration increased in the kidneys of males. These effects continued to increase with dose. At 2500 mg/kg-day, RBC parameters were significantly increased in males at 30 days and in both males and females at 90 days; female kidney weights increased significantly; increased kidney-to-body and kidney-to-brain weight ratios occurred in both males and females, and accumulation of hyaline droplets became significant in females (USEPA 2001).

Inhalation toxicity data on acetone are limited. Subchronic exposures (3 hr/d, 5 d/wk for 8 wks) of rats to 0 or 19,000 ppm acetone elicited narcotic effects and other minor effects, but no mortality, gross or microscopic lesions, or altered hematological parameters were noted (Bruckner and Peterson, *in press*, cited in Calabrese and Kenyon 1991). While acetone can elicit narcotic effects in humans, exposures typically are of high-concentration and short duration.

Acetone dissolves fats from skin, causing dermatitis (Manahan 1989).

Toxicokinetics

Acetone is readily absorbed in direct proportion to dose by all routes of exposure (inhalation, oral, and dermal)(Rowe and Wolf 1963; Krasavage et al. 1982). Once absorbed, the highly soluble acetone is taken up into the blood, is rapidly and widely distributed throughout the tissues according to their water content. Large doses are excreted unchanged via the lungs, with lesser amounts appearing in the urine and sweat (Haggard et al. 1944; Rowe and Wolf 1963; Krasavage et al. 1982; Wigaeus et al. 1982). Lower doses are metabolized as described below(Haggard et al. 1944).

Metabolism

Acetone can be metabolized by three separate gluconeogenic pathways (Price and Rittenerg 1950; Sakami 1950; Mourkides et al. 1959; Casazza et al. 1984; Kosugi et al. 1986a,b). One pathway involves the conversion of acetone via methylglyoxal or methylglyoxal and D-lactate to D-glucose; two other pathways involve the conversion of acetone via L-1,2-propanediol that converts to the gluconeogenic precursors L-lactate or acetate. The ultimate fate of acetone is the conversion via glucose to ATP and carbon dioxide.

Toxicity Values

EPA has established an oral reference dose (RfD) for acetone of 1×10^{-1} mg/kg-day (USEPA 2001), based on changes in kidney and liver weights and nephrotoxicity in albino rats in a subchronic study (USEPA 1986). An uncertainty factor of 1,000 was incorporated in the calculations (10 for species extrapolation, 10 for human sensitivity variations, and 10 for extrapolating from subchronic to chronic exposures) (USEPA 2001).

EPA has not established cancer slope factors for acetone (USEPA 2001).

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ALUMINUM

Aluminum (Al, CAS Registry No. 7429-90-5) has a wide variety of uses in the building, construction, photographic, and food packaging industries, and many other uses in the manufacture of steel, aircraft, automobiles, printing inks, dental alloys, medications, explosives, incendiaries, and fireworks.

Cancer

Several studies of workers in aluminum reduction facilities showed excessive deaths from lung, pancreatic, lymphatic, brain, or bladder cancers, but they were confounded by simultaneous exposures to tobacco smoke or PAHs from coal tars. (ATSDR, 1990). An inhalation study by Kobayashi et al. (1968) was too seriously flawed in design and reporting to produce reliable information.

Noncarcinogenic Toxicity

Health effects research in humans and animals has shown that elevated levels of aluminum in the body may be toxic, particularly to the central nervous, skeletal and hematological systems. Much of aluminum toxicity depends on variations in absorption and chemical form of the aluminum complexes, their oxidation states, and interactions with dietary constituents. The toxicity of aluminum can be divided into three major categories: (1) the effect of aluminum compounds in the gastrointestinal tract following ingestion, (2) the effect in the lungs following inhalation, and (3) systemic toxicity of aluminum (ATSDR 1990). Aluminum compounds can alter absorption of other elements (i.e., fluoride, calcium, iron, cholesterol, phosphorus) in the gastrointestinal tract and alter gastrointestinal tract mobility by inhibition of acetylcholine-induced contractions. Inhalation of aluminum dusts can lead to the development of pulmonary fibrosis, producing both restrictive and obstructive pulmonary disease. One of the greatest health concerns is aluminum's proposed association with three forms of chronic encephalopathy in humans: senile dementia of the Alzheimer type, amyotrophic lateral sclerosis, and Parkinsonism-dementia (Ganrot, 1986), but there is no evidence that aluminum plays a role in the development of these diseases. A progressive fatal neurologic syndrome (characterized first by a speech disorder, followed by dementia, convulsions, and myoclonus) has been noted in patients on long-term intermittent hemodialysis treatment for chronic renal failure, and may be due to aluminum intoxication. Aluminum content of brain, muscle, and bone tissues is increased in these patients. Sources of the excess aluminum may be from oral aluminum hydroxide commonly given to these patients or from aluminum in dialysis fluid derived from tap water used to prepare the dialysate fluid.

Neurotoxicity

The neurotoxicity of aluminum is well documented in rabbits and cats, causing in these animals a range of behavioral abnormalities and brain neurofibrillary degenerative

changes at high doses injected parenterally or intracranially; hamsters and monkeys were found to be much less sensitive (Ganrot 1986, Lione 1985). Subchronic studies in rats and mice have demonstrated in the test animals such neurobehavioral deficits as impaired operant learning, changes in grip strength and startle response, and impaired motor coordination (Bernuzzi et al. 1989; Donald et al. 1989; Golub et al. 1989, 1992, 1995; Muller et al. 1990). Florence et al (1994) fed aluminum to rats for 6 months and found histopathological changes (vacuolation of cell bodies, swelling of astrocytic processes) of unknown functional significance in the rat brain as a result. These changes have not been causally related to neurobehavioral deficits.

Neurodevelopmental Toxicity

Minimal neurotoxicity was observed in the offspring of mice exposed to aluminum lactate (Golub et al. 1995). Groups of 16 pregnant Swiss-Webster mice were fed 25 (control group), 500, or 1000 mg Al/kg with aluminum lactate throughout gestation and lactation (Donald et al. 1989). No treatment-related changes were observed in maternal survival, body weight, food intake, toxic signs or neurobehaviour. However, a battery of neurobehavioral tests performed on pups showed that a significant ($p=0.007$) number of pups in the high-dose group had impaired vertical-screen climb performance. In the low-dose group, given the equivalent of 100 milligrams per kilogram per day (mg/kg-day), a decrease in forelimb grip strength and an increase in the amount of foot splay were observed.

Colomina et al. (1992) studied the influence of lactate on the potential developmental toxicity of aluminum. Groups of 11-13 Swiss albino CD_1 mice were administered 57.5 mg Al/kg bw-day as aluminum hydroxide, aluminum lactate, or aluminum hydroxide together with lactic acid (570 mg/kg-day) by gavage on gestation days 6-15. Other groups were treated only with the same amount of lactic acid or distilled water (controls). Maternal weight gain was significantly lower in the aluminum lactate-treated mice--and significantly less food was consumed by this group--than in controls. In the offspring of these females, fetal body weight was also significantly reduced and accompanied by increased incidence of cleft palate, dorsal hyperkyphosis, and delayed parietal ossification. These developmental effects were not seen in any of the pups of the control groups or the aluminum hydroxide dosing groups. A flaw in this study was the lack of accounting for aluminum in the diet of the test animals, since commercial grain-based mouse feeds contain 200-1200 ppm aluminum and varying amounts of other trace metals (Golub et al. 1992).

Colomina et al. (1994) also administered doses of 0 or 104 mg Al/kg bw-day as aluminum hydroxide on days 6-15 of gestation to female Swiss mice. Again, dietary aluminum was not reported. A NOAEL of 104 mg Al/kg-day was reported in this study, which examined maternal body or organ weight, and the per litter number of implantations, resorptions, dead fetuses, sex ratio and fetal body weight, as well as their percentage of positive postimplantation loss. The study found no significant differences between test groups and controls. Thus, from the two Colomina studies, it can be

concluded that aluminum lactate appears to be a more potent developmental toxicant in mice than the less water-soluble aluminum hydroxide (ATSDR 1990).

Toxicokinetics

Aluminum occurs normally in human body tissue, with the highest concentration (half of the normal body burden of 30-50 mg) found in bone, and about one-fourth found in the lungs (Ganrot 1986). Animal experiments have shown that it can also accumulate in the brain (especially the hippocampus), liver, heart and other muscle tissue, and the kidneys. Retention in these organs and tissues apparently increases with age and with the length of the exposure period (ATSDR 1990). The urinary aluminum half-life in workers exposed via inhalation for less than a year was 9 days; in those exposed for more than 10 years, the urinary half-life was 6 months (Sjogren et al. 1988). Both human and animal evidence indicates that absorption through the gastrointestinal tract is low after ingestion of aluminum, but is enhanced by vitamin D and parathyroid hormone and is affected in various ways by other ions (ATSDR 1990). Evidence also suggests that aluminum does not easily transfer from the blood to the brain except under conditions of high blood aluminum concentrations (ATSDR 1990).

An acute oral study found a three-fold increase in urinary levels of aluminum in patients after ingestion of aluminum hydroxide (Gorsky et al. 1979), implying absorption. In three volunteers, urinary levels of aluminum rapidly increased following an 8-hour inhalation exposure to aluminum dust from 3 μg/L to 14-414 μg/L (Sjogren et al. 1985).

Several animal inhalation studies detected aluminum in the lungs after exposure; however, other tissue, urine, and plasma levels were not assessed to definitively establish absorption (ATSDR 1990).

Metabolism

Because aluminum is an element, it is always found attached to other chemicals, and these attachments can change within the body. The free ion (Al^{+3}) is easily bound to other substances and structures. Once in the blood, the free ion competes with other ions to bind mainly with transferrin in the plasma, but it also binds to bone tissue in metabolically active areas of the bone (Ganrot 1986). Uptake by organs and tissues from transferrin is relatively slow. Most ingested aluminum is unabsorbed and eliminated in the feces. The kidney is the major route of excretion following inhalation, and the major route for any aluminum absorbed via ingestion (ATSDR 1990).

Toxicity Values

The available systemic toxicity data on elemental aluminum have been found to be inadequate for quantitative risk assessment (USEPA 2001). A chronic oral RfD (1 mg/kg-day) value was obtained from EPA's Environmental Criteria and Assessment Office, Cincinnati, based on a LOAEL of 100 mg/kg-day (Donald et al. 1989, Golub et

al. 1995) for neurotoxicity, with application of an uncertainty factor of 100 (3 for use of a minimal LOAEL, 10 for species extrapolation, and 3 for human variability).

An inhalation reference dose of $1x10^{-3}$ has been established from EPA's Environmental Criteria and Assessment Office, Cincinnati. EPA (USEPA 2001) has not established SFs for aluminum.

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ANTIMONY

Antimony (Sb, CAS registry number 7440-36-0) is an element typically used in metal alloys, rubber, matches, ceramics, pigments, paints, lacquers, and textiles. Some trivalent organic antimony compounds are used to treat parasitic diseases, such as *Schistosomiasis* (ATSDR 1990).

Cancer

Antimony is currently not classified with regard to its potential for carcinogenicity (USEPA 2001). Lung tumors have been observed in rats exposed via inhalation to 4.2 or 36 mg/m^3 antimony as antimony trioxide (Groth et al. 1986; Watt 1980, 1983) or to 17.48 mg/m^3 antimony as antimony trisulfide for 1 year (Groth et al. 1986; Wong et al. 1979). An increased incidence of lung tumors was not observed, however, in rats exposed via inhalation to 3.76 mg antimony/m^3 as antimony trioxide for 1 year (Bio/dynamics 1989) or in pigs exposed to 4.2 mg antimony/m^3 as antimony trioxide for 1 year (Watt 1983). The carcinogenic potential of antimony compounds in rodents may be related to particle size and rates of deposition and clearance from the respiratory tract. Oral exposure to 0.35 mg/kg-day of potassium antimony tartrate over a lifetime did not induce cancer in rats (Schroeder et al. 1970) or mice (Kanisawa and Schroeder 1969). No data are available to evaluate the potential carcinogenicity of antimony compounds via dermal exposure.

Mutagenicity

No *in vivo* genotoxic studies have been conducted with antimony compounds. *In vitro* studies have yielded mixed results with antimony compounds giving positive results for DNA damage in bacterial tests (Kanematasu et al. 1980) and for chromosomal aberrations and breakage in mammalian cell assays (Tu and Sivak 1984; Paton and Allison 1972), and negative results for gene mutation and chromosomal transformation in mammalian cell assays (Tu and Sivak 1984).

Systemic Toxicity

Adverse health effects have been observed in humans and animals following oral exposure to a variety of antimony compounds (ATSDR 1990). Oral administration of a single dose of an organic antimony compound resulted in death in rats (Bradley and Frederick 1941) which was attributable to myocardial failure. Mortality was not observed in rats following a single dose of inorganic antimony (Fleming 1982; Myers et al. 1978; Smyth and Thompson 1945), suggesting that inorganic antimony compounds are less toxic than organic antimony compounds. Chronic ingestion by rats of 0.35 mg/kg-day of potassium antimony tartrate in drinking water has resulted in increased mortality and altered blood chemistry (Schroeder et al. 1970). Other studies with potassium antimony tartrate have not demonstrated any effects on longevity (Schroeder et al. 1968; Kanisawa and Schroeder 1969).

Antimony compounds are frequently used in medicine as anti-parasitical agents. Therapeutic administration of antimony-containing compounds has produced cardiac effects, liver toxicity, pulmonary congestion, skin reactions, vomiting, diarrhea, gastric discomfort and ulcers in treated humans (ATSDR 1990). Acute exposure to an antimony-containing therapeutic agent administered via intramuscular injection resulted in the death of an adult and a child (Rugemalila 1980); however, it is not clear whether these deaths were attributable solely or in part to antimony administration.

The respiratory tract is a target organ in both humans and animals following inhalation exposure to antimony. High occupational inhalation exposure to antimony dusts has resulted in respiratory tract irritation, pneumoconiosis, and impaired pulmonary function in workers (Cooper et al. 1968; Potkonjak and Pavlovich 1983). These workers, however, were also exposed to other toxic compounds, including arsenic oxide, iron oxide, hydrogen chloride, and hydrogen sulfide, and thus it is not possible to attribute the observed adverse effects solely or in part to antimony exposure. Dermatosis and ocular irritation have also been reported in humans following exposure to airborne antimony (Potkonjak and Vishnijich 1983).

Animal studies have shown that lung fibrosis and lipoid pneumonia may occur as a result of chronic inhalation exposure to antimony trisulfide or antimony trioxide (ATSDR 1990). Other symptoms include: changes in blood pressure and EKG readings; gastrointestinal effects such as vomiting, diarrhea, gastric discomfort and ulcers; and liver toxicity.

Exposure to airborne antimony has been reported to cause dermatosis and ocular conjunctivitis in humans which may result from dermal contact with the antimony aerosol (ATSDR 1990). Alopecia was noted in rats exposed to airborne antimony trioxide at doses of 0.92 mg/m^3 or above (Bio/dynamics 1985); however, it was not clear whether this effect was due to dermal contact or to a systemic effect resulting from airborne exposure.

Toxicokinetics

Data from animal studies indicate that absorption of antimony compounds from the respiratory tract is a function of particle size (ATSDR 1990). A greater deposition of antimony tartrate in the upper respiratory tract was observed with a particle size of 1.6 um mean mass aerodynamic diameter (MMAD) compared with exposure to particles of 0.7 or 0.3 um MMAD (Felicetti et al. 1974a; Thomas et al. 1973). Absorption and lung clearance rates also varied with particle size (Thomas et al. 1973). No information is available on differences in absorption rates via inhalation among antimony compounds (ATSDR 1990).

In animals, antimony is slowly absorbed from the gastrointestinal tract at rates ranging from 2 percent to 7 percent for antimony tartrate and antimony trichloride (Felicetti et al. 1974b; Gerber et al. 1982). It has been suggested that gastrointestinal absorption of antimony salts in humans is probably less than 10 percent (ATSDR 1990). Although

quantitative information on differences in absorption among antimony compounds is not available, the International Commission on Radiological Protection (ICRP 1981) has recommended that 10 percent for antimony tartrate, and 1 percent for all other forms of antimony, be used as reference values for gastrointestinal human absorption.

Distribution in animals of trivalent antimony absorbed via inhalation tends to result in concentration in red blood cells and liver, while pentavalent antimony concentrates in the plasma (Goyer 1991). Other target organs of distribution include the thyroid gland, skeleton and fur (Felicetti et al. 1974b). Following oral absorption, the major sites of accumulation of antimony compounds are the liver, kidney, bone, lung, spleen, and thyroid (Sunagawa 1981). Accumulation in these organs, however, is not dose-related, suggesting that decreased absorption occurs at higher antimony concentrations.

Metabolism

Antimony does not undergo biotransformation. Its metabolism appears to consist mainly of covalent interactions with sulfhydryl groups and phosphate, and reversible binding interactions with endogenous ligands such as proteins (ATSDR 1990). The toxicologic significance of these interactions is not known (ATSDR 1990).

Excretion appears to occur mainly in the urine in humans occupationally exposed to airborne antimony trioxide (Ludersdorf et al. 1987). In animals, antimony is excreted via the urine and feces. If antimony is administered parenterally, the urine/feces ratio of antimony excretion depends on the valence form of the compound: for trivalent antimony injection, urine is the predominant medium of excretion, whereas for pentavalent antimony injection, excretion in the feces predominates (Edel et al. 1983; Felicetti et al. 1974b). With regard to oral exposure, animal studies have shown that ingested antimony is not well absorbed from the gastrointestinal tract and that fecal excretion is the primary route of excretion (Felicetti et al. 1974b; Gerber et al. 1982). It is likely that this route is also predominant for humans who ingest antimony compounds.

Toxicity Values

EPA (USEPA 2001) has established an oral reference dose of 4×10^{-4} mg/kg-day for antimony compounds, based on a chronic study in which rats were administered 0.350 mg/kg potassium antimony tartrate daily in drinking water (Schroeder et al. 1970). Significantly shortened life spans, altered cholesterol levels, and–in males–decreased blood glucose levels were critical effects. A decrease in mean heart weight of males was also noted. Since there was only one dose group, a NOAEL could not be determined. The oral RfD was calculated using an uncertainty factor of 1000 (10 for interspecies conversion, 10 for intrahuman sensitivity, and 10 for the failure to determine a NOAEL) (USEPA 2001).

EPA has not calculated an inhalation reference concentration or cancer slope factors for this compound. (USEPA 2001).

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ARSENIC

Arsenic (As, MW 74.9, CAS Registry No. 7440-38-2) is a ubiquitous metalloid present in the environment from natural and anthropogenic sources. Arsenic is a natural component of the earth's crust. It originates from natural sources such as volcanoes and erosion from mineral deposits, but also from human activities such as chemical production and use, coal combustion, and waste disposal. Arsenic can exist in several different valence states and in many different inorganic and organic forms. The form of arsenic with the greatest commercial importance is inorganic arsenic trioxide (As_2O_3), which is produced from flue dust collected during the smelting of copper and lead. There has been no commercial production of As_2O_3 in the United States since 1985, although it is imported for industrial use.

Arsenic is one of the most widely studied toxicants. Analysis of the toxic effects of arsenic is complicated by the fact that arsenic can exist in several different inorganic and organic compounds. Most cases of human toxicity have been associated with exposure to inorganic arsenic (ATSDR 1993). While As_2O_3 is the most common inorganic arsenical in air, a variety of inorganic trivalent arsenites or pentavalent arsenates occur in water, soil, and food (ATSDR 1993). Trivalent arsenites are somewhat more toxic than pentavalent arsenates (USEPA 2001); however, the difference in relative potency is small. An additional complexity in the analysis of arsenic toxicity is that there are no suitable animal models for carcinogenicity.

Cancer

EPA has classified arsenic as a human carcinogen (Category A), based on observations of increased lung cancer mortality in populations exposed mainly via inhalation and observations of increased skin cancer incidence and increased mortality from multiple internal organ cancers in populations consuming drinking water containing high concentrations of arsenic (USEPA 2001).

Evidence from a large number of occupational epidemiologic studies indicates that high-dose inhalation exposure to inorganic arsenic is associated with an increase in lung cancer. Most studies involve workers exposed primarily to arsenic trioxide dust in air at copper smelters (e.g., Enterline et al.1987; Enterline and Marsh 1982; Axelson et al.1978), but increased incidence of lung cancer has also been observed at chemical plants where exposure was primarily to arsenate (Ott et al.1974; Sobel et al.1988). Although several studies suggest that residents living near smelters or arsenical chemicals may also have increased risk of lung cancer (Pershagen 1985; Brown et al.1984), the increases are small and may not be biologically significant (e.g., Frost et al.1987).

Several human studies provide sufficient exposure data to permit quantification of cancer risk (Tseng et al.1968; Tseng 1977). In general, the data indicate that there is an approximately linear increase in relative risk as a function of increasing cumulative exposure (USEPA 2001). Animal studies do not show evidence of a carcinogenic effect

from inhalation exposure of arsenic (USEPA 2001); however, two intratracheal instillation studies in hamsters have demonstrated that both arsenite and arsenate can increase the incidence of lung adenomas and/or carcinomas (Ishinishi et al.1983; Pershagen and Bjorklund 1985).

One of the most reliable epidemiologic studies that provide dose-response data is the investigation by Tseng et al. (1968). In this study, the quantitative risk of skin cancer from exposure to inorganic arsenic by ingestion was examined. In this investigation, 40,421 people in Taiwan were exposed to arsenic in drinking water at levels ranging from 100 to 1,800 ug/L. The control population consisted of 7,500 people who were exposed to undetectable levels up to 17 ug/L arsenic in drinking water. Results showed an age- and dose-dependent increase in the incidence of skin cancer in the exposed population, while there were no arsenic-related skin cancers detected in the control population. EPA used this study to calculate a unit risk of $5x10^{-5}$ based on lifetime exposure to water containing 1 ug/L arsenic.

Mutagenicity

Arsenic has been tested in a range of prokaryotic and eukaryotic systems. In general, arsenic is either inactive or extremely weak as an inducer of gene mutations *in vitro*; however, it is clastogenic and induces sister chromatid exchanges in a variety of cell types, including human cells (USEPA 1988). Arsenic does not appear to induce chromosome aberrations *in vivo* in experimental animals; however, it may do so in humans (NRC 1977). Several studies also suggest that arsenic may affect DNA by the inhibition of DNA repair processes or by base-pair substitution (USEPA 1988).

Noncarcinogenic Toxicity

Workers exposed to arsenic dusts in air may experience irritation to the mucus membrane of the nose and throat, which may lead to laryngitis, bronchitis, or rhinitis (Morton and Caron 1989). Very high exposures may cause perforation of the nasal septum (Pinto and McGill 1953). These effects, including perforation, were usually mild and did not result either in impaired respiration or illness. Several studies revealed that inhalation of high levels of arsenic dust or fumes led to nausea, vomiting, and diarrhea in workers (Beckett et al. 1986; Bolla-Wilson and Bleecker 1987; Morton and Caron 1989). Neurological injury may occur in humans after inhalation of inorganic arsenic, including peripheral neuropathy of sensory and motor neurons (numbness, loss of reflexes, muscle weakness) (Feldman et al. 1979; Landau et al. 1977). Hallucinations, agitation, emotional lability, and memory loss may also result (Beckett et al. 1986; Morton and Caron 1989). Adverse neurological effects tend to diminish, but may persist past exposure period (Beckett et al. 1986).

Developmental effects of arsenic exposure have been implicated in the unborn fetuses of pregnant women living near a copper-smelting plant in Bulgaria (Tabacova 1986). Fatal defects (e.g., small forebrains and underdeveloped earpits) occurred at a rate of 3.6 per 1,000 live births, which is three times the national rate. From a cohort of about 15,000

women living near the plant, increased placental concentration of arsenic, elevated lipid peroxides, and decreased GSH in maternal and cord blood were found. This suggested that arsenic was responsible for the oxidative damage in the pathogenesis of prenatal birth defects. The hypothesis was tested in an experimental *in vitro* mouse embryo model.

Chronic exposure of experimental animals to arsenic has been investigated by several studies. Tissues adversely affected by arsenic exposure include the gastrointestinal, cardiovascular, hematopoietic, renal, nervous, and respiratory systems.

In a chronic toxicity study (Byron et al. 1967), beagle dogs (6/group) were fed sodium arsenate or sodium arsenite at doses equivalent to 5, 25, 50, or 125 ppm arsenic in the diet, corresponding to an average daily dose of 0.2, 1.0, 2.1, or 5.2 mg As/kg-day with an assumed body weight of 12 kg for each dog. Four out of six dogs fed the highest dose of As died within 9 months. The main effects were anorexia and listlessness, with weight loss of 44-61 percent from the beginning of the study. Moderate anemia and atrophy of numerous tissues were revealed after hematologic and histologic examinations. A chronic NOAEL of 2.1 mg As/kg-day was identified in dogs since there was no difference between controls and dogs fed 50 ppm As^{3+} or As^{5+} in their diet.

In a 1-year study involving rhesus monkeys were exposed to As^{5+} (in the form of $2Na_3(PO_4AsO_4VO_4)$ "NaF" $18H_2O$) in milk at doses of 2.8 mg/kg-day (3-day and 8-week old monkeys) and 5.7 mg/kg-day (8-weeks old) (Heywood and Sortwell 1979). Effects seen in one monkey dosed with 2.8 mg As/kg-day beginning at 3 days of life included sudden weakness, dehydration along with bronchopneumonia, hemorrhage, edema, and necrosis in the brain. Another animal from the highest dose of arsenic, had acute inflammation of the small intestine and moderate regression of the thymus. Surviving animals had normal EEGs and normal levels of neurological function. There was no evidence of delayed toxicity in surviving animals.

Male weanling Sprague-Dawley rats (10/group) were exposed to 0 or 50 ug/mL sodium arsenate for 320 days in drinking water (Carmignani et al. 1983). Histological examination revealed that the liver and kidneys accumulated significant levels of arsenic at 25.2 and 43.0 mg/kg, respectively, and swollen hepatocytes were noted near the centrilobular veins of the liver. Focal changes in the glomerulus and tubules were seen in the kidneys. No changes were noted in the myocardium, gastrocnemius, arterial vessels, lungs, brain, or sciatic nerves. Sympathetic hyperactivity, hypersensitivity, or both were induced by arsenic, and the authors speculated that these findings may explain the cardiovascular effects in people chronically exposed to arsenic.

CD male and female mice were fed 5 mg As^{3+}/L sodium arsenite in their drinking water, which corresponds to 0.35 mg/kg-day, in a special environment designed to minimize exposure to trace metals (Schroeder and Balassa 1967). After 180 days, growth rate and body weights were not affected, but a decrease in body weight in males was apparent after 360 and 540 days. There was also a decrease in survival rates at 18 months in males

and 21 months in females, with a median life span that was reduced by 74 and 76 days in males and females, respectively.

Developmental Toxicity

High levels of arsenic can cause developmental effects in animals. Slight decreases in fetal weight resulted after mice were exposed to 2 mg As/m^3 as As_2O_3 on days 9-12 of gestation. Higher levels of arsenic (20 mg/m^3) produced skeletal malformations and an increase in fetal deaths (Nagymajtenyi et al. 1985). Other studies have reported an increase in fetal mortality from 2-68 mg As/kg-day sodium arsenite (Baxley et al. 1981; Hood and Harrison 1982). Baxley et al. (1981) exposed pregnant CD-1 mice to single oral doses of 1, 20, 40, or 45 mg/kg sodium arsenate by gavage on days 8-15 of gestation. The frequency of dead or resorbed fetuses was significantly elevated in animals exposed to 40 or 45 mg/kg on days 10, 12, 13, 14, or 15 of gestation. Hood and Harrison (1982) exposed pregnant hamsters to a single gavage dose of 25 mg/kg sodium arsenite on days 8, 11, or 12 of gestation, or 20 mg/kg on days 9 or 10. Prenatal mortality was significantly elevated in animals dosed with 25 mg/kg on gestational days 8 or 12. Small increases in the percentage of fetuses that were malformed were noted in treated groups, although these were not significant. Similarly, Hood and Harrison (1982) performed a similar experiment in hamsters dosed by a single intraperitoneal amount of 5 mg/kg sodium arsenite on days 8, 11, or 12, or 2.5 mg/kg on days 9 or 10 of gestation. Again, prenatal mortality was elevated, and although there were small increases in malformations, they were not significant. Hood and Harrison concluded that arsenite is significantly less toxic when administered orally than intraperitoneally. Intraperitoneal injections of 45 mg/kg sodium arsenite on days 6-12 of gestation in pregnant Swiss-Webster mice resulted in the following fetal malformations: exencephaly, micrognathia, protruding tongue, agnathia, open eye, exophthalmos, anophthalmia, missing pinna, cleft lip, hydrocephalus, umbilical hernia, eventration, ectrodactyly, micromelia, limb and tail malformations, and skeletal defects. Similar adverse effects were seen in exposed Wistar rat fetuses (Beaudoin 1974), golden hamsters (Willhite 1981; Carpenter 1987).

Fetal mortality was increased and malformation resulted in experimental animals exposed to organic forms of arsenic. Albino CD rats and CD-1 mice given repeated doses of DMA, a metabolite of arsenic, during gestation had significantly elevated fetal mortality and showed such developmental effects as skeletal anomalies (delayed ossification and supernumerary ribs), malformed palate, cleft lip, reduced fetal weight (Rogers et al. 1981).

Reproductive Toxicity

In a three-generation reproductive toxicity study in Charles River mice given sodium arsenate in drinking water at an average dose of 0.35 mg As^{3+}/kg-day, no significant effects were detected, although a trend toward a decreased number of pups per litter and slightly altered male:female sex ratios were observed (from 1.03 to 1.30 in the F_2 generation, and from 1.00 to 1.71 in the F_3 generation (Schroeder and Mitchener 1971).

In another study, male and female Harlan/ICR Swiss mice dosed 3 times per week for 10 weeks with 0, 11.9, or 119 mg/kg-day MMA, a metabolite of As, prior to mating and during gestation produced fewer litters than normal (Prukop and Savage 1986). None of the animals receiving the highest dose of MMA produced litters, and only 50 percent of the animals dosed with 11.9 mg/kg-day MMA produced litters, compared with 80-100 percent in controls. This was attributed to decreased fertility of the male mice.

No studies have been located that discuss other systemic effects of exposure to arsenic in experimental animals.

Toxicokinetics

Most of the existing data on the toxicokinetics of arsenic is on the inorganic form. Both arsenate and arsenite are well absorbed by both the oral and inhalation routes.

Arsenic in air exists as particulate matter, and absorption by inhalation involves deposition of the particles onto the surface of the lungs and absorption of arsenic from the deposited material. Deposition was estimated to be about 40 percent and absorption was 75-85 percent in lung cancer patients exposed to arsenic in cigarette smoke (Holland et al. 1959), making the percentage of inhaled arsenic 30 34 percent. Animal studies on As (i.e., sodium arsenite, sodium arsenate, and arsenic trioxide) via intratracheal instillation suggest that nearly all of the deposited material is absorbed, because clearance of the compounds from the lungs was rapid and nearly complete (60-90 percent cleared within 1 day) (Marafante and Vahter 1987; Rhoads and Sanders 1985). In contrast, insoluble forms of As (i.e., arsenic sulfide and lead arsenate) cleared more slowly, suggesting that the rate of absorption is lower for the insoluble forms of arsenic (ATSDR 1993).

Absorption of arsenates and arsenites across the gastrointestinal tract is nearly complete. Measurements of human fecal excretions given oral doses of arsenite reported that less than 5 percent was recovered, indicating that absorption was about 95 percent (Bettley and O'Shea 1975). Again, ingestion of less insoluble forms of arsenic such as arsenic triselenide did not lead to a high percentage of absorption across the gastrointestinal tract (Mappes 1977). The data on dermal absorption of inorganic arsenic are limited and not quantitative.

Once absorbed, arsenic is distributed throughout the body to the liver, kidney, skeleton, gastrointestinal tract, and other tissues. Autopsies of people exposed to background levels of arsenic have revealed that arsenic is present in all tissues of the human body at approximately comparable concentrations (Liebscher and Smith 1968). Absorbed arsenic can also cross the placenta and be distributed to fetuses (Hood et al. 1987, 1988). The metabolites of both inorganic and organic arsenic appeared to be distributed equally in all body tissue following oral exposure (Takahashi et al. 1988; Yamauchi and Yamamura 1984, 1985; Stevens et al. 1977; Yamauchi et al. 1988).

A review by Thompson (1993) indicates that several *in vivo* and *in vitro* studies have elucidated the metabolic and detoxification pathway for arsenic in mammals (Vahter 1981; Vahter and Envall 1983; Hirata et al. 1988; Marafante and Vahter 1987; Takahashi et al. 1988; Maiorino and Aposhian 1985; Marafante et al. 1985; Vahter and Marafante 1983), including humans (Buchet et al. 1981a,b; Crecelius 1977; Lovell and Farmer 1985; Smith et al. 1977; Tam et al. 1979; Vahter 1986). Analysis of urinary excretion products from humans and animals revealed increased levels of inorganic As^{3+}, As^{5+}, methylarsonic acid (MMA), and dimethylarsonic acid (DMA). The metabolism of inorganic arsenic involve two processes: oxidation/reduction of As^{5+} and As^{3+} species and methylation. Specifically, inorganic arsenic is converted via methylation in the liver to MMA and to DMA, which is the principal metabolite. Both MMA and DMA form conjugates with glutathione or glutathione derivatives and are excreted in urine. Since methylation is enzyme-dependent, saturation kinetics appear to determine the toxicity, or carcinogenicity, of arsenic in humans. At low doses, arsenic can be effectively detoxified, whereas at higher doses the detoxification pathway may become increasingly saturated, thereby increasing the possibility of macromolecular binding, resulting in pathological changes which could include tumors (Cheng et al. 1992; Smith et al. 1992). Data on the point at which saturation is reached is unclear.

Toxicity Values

Data by Tseng (1977) and Tseng et al. (1968) from a population epidemiology study in Taiwan were used to derive an ingestion RfD of 0.0003 mg/kg-day (USEPA 2001). The critical effects were considered to be hyperpigmentation, keratosis, and possible vascular complications. Since hyperpigmentation and keratosis of the skin are lesions that can progress to skin neoplasms, this toxic endpoint is considered to be appropriate for RfD derivation. The NOAEL is derived by multiplying the average concentration in drinking water by 4.5 L/day (because of the hot climate, typical daily drinking estimates are approximately doubled for this study population), adding in the contribution of arsenic in food, and dividing exposure by average body weight for Taiwanese adults (Abernathy et al. 1989). The RfD of 0.0003 mg/kg-day incorporates an additional uncertainty factor of 3 for the lack of data concerning the potential toxicity of arsenic. EPA has not derived an inhalation RfC for arsenic (USEPA 2001).

Considerable scientific controversy has surrounded the derivation of an estimated SF for arsenic by ingestion, principally through drinking water. Based on a study in Taiwan (Tseng 1977; Tseng et al. 1968), EPA has developed a drinking water unit risk of $5x10^{-5}$ $(ug/L)^{-1}$, which was used to generate an oral slope factor of 1.5 $(mg/kg\text{-}day)^{-1}$ (USEPA 2001). The SF for ingestion was adopted in this risk assessment for skin contact, as a default condition. The inhalation SF is based on the geometric means of several occupational epidemiologic studies in which a significant increase in the incidence of lung cancer occurred among workers exposed to high concentrations of airborne arsenic. The inhalation SF is $4.3x10^{-3}$ $(ug/m^3)^{-1}$, or $1.5x10^{-2}$ $(ug/kg\text{-}day)^{-1}$ (USEPA 2001).

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BARIUM

Barium (CAS 7440-39-3) is dense alkaline earth metal that does not occur free in nature; it exists in combination with other elements in a divalent cation form, primarily as barium sulfate or barium carbonate ores. Barium enters the environment through the weathering of rocks, minerals, and anthropogenic release mechanisms, such as industrial processes and coal and oil combustion (USEPA 1998).

Carcinogenicity

EPA (USEPA 2001) indicates that there are insufficient data for an assessment of the carcinogenicity of barium compounds (classified Group D). Similarly, ATSDR (1992) notes a lack of carcinogenicity studies via inhalation or dermal exposure routes, but summarizes two rodent studies (Schroeder and Mitchener 1975 a,b) that observed no significant differences in tumor incidence between treated and control animals. ATSDR, however, considers these rodent studies inadequate for evaluating the carcinogenic potential of barium due to insufficient numbers of animals, no determination of an MTD, only one exposure dose, incomplete histology, and an unspecified purity of the test material.

Mutagenicity

Information on the mutagenicity of barium compounds is limited. No in vivo studies have been conducted. Barium chloride dihydrate was not mutagenic in *Salmonella typhimurium* strains TA97, TA98, TA100, TA1535, or TA1537, with or without exogenous metabolic activation (S9). It was mutagenic in L5178Y mouse lymphoma cells in the presence of S9, but it did not induce sister chromatid exchanges or chromosomal aberrations in cultured Chinese hamster ovary cells, with or without S9 (NTP 1994).

At various gradually increasing concentrations, barium nitrate gave negative results in both the Ames test (with and without metabolic activation), and in the mitotic crossing-over test, the mitotic genic conversion test, and the retromutation test in *Saccharomyces cerevisiae*, with and without metabolic activation (Monaco et al. 1991). Barium chromate was not mutagenic in water (Venier et al. 1985).

Systemic Toxicity

Exposures to barium via the oral route are used in the majority of studies evaluating potential toxicity. ATSDR (1992) indicates a variety of effects following subchronic or chronic oral administration of barium, including mortality, respiratory, cardiovascular, hematological, musculoskeletal, hepatic, renal, neurological, and other effects. For both subchronic (15 to 364 days) and chronic (>365 days) exposures, cardiovascular effects are the most sensitive endpoint. With subchronic exposures, rodent NOAELs for all systemic effects except cardiovascular are approximately 10 mg/kg-d. For cardiovascular

effects, rat NOAELs are reported as low as 0.64-0.71 mg/kg-d (Perry et al. 1983, 1985, 1989) and the human NOAEL is reported as 0.21 mg/kg-d (Wones et al. 1990).

Studies identifying the adverse effects of subchronic or chronic barium exposure via inhalation are limited in their utility for linking adverse health effects with barium exposure (ATSDR 1992). Even with the limited utility of these studies, these studies suggest a potential association between non-acute barium inhalation exposures and respiratory, cardiovascular, hematological, hepatic, developmental, and reproductive effects (ATSDR 1992).

Toxicokinetics

No studies of the absorption of barium in humans have been found. Animal studies suggest that the absorption of inhaled barium depends on how much reaches the alveolar spaces within the lungs, the upper respiratory tract clearance rate, and the solubility of the particular form of barium under study. In animal studies, barium has been traced to epithelial membranes, the lymphatic system, and the skeleton. In humans barium has been found primarily in the skeleton and teeth (ATSDR 1992).

Metabolism

Barium taken by mouth is poorly absorbed, and most of the dose is excreted in the feces, with about three percent excreted in urine. With intravenous injections, about 9 percent is excreted in urine and 84 percent in feces (ATSDR 1992).

Toxicity Values

EPA (USEPA 2001) has established an oral RfD for barium of 7×10^{-2} mg/kg-day, based on increased blood pressure from subchronic and chronic human drinking water studies (Brenniman and Levy,1984; Wones et al. 1990) and other supporting rodent studies in which kidney weight increased (Perry et al. 1983; McCauley et al. 1985; Schroeder and Mitchener, 1975a,b; Tardiff et al. 1980). The RfD is based upon a NOAEL of 10 mg/L, converted to 0.21 mg/kg-d, with the application of an aggregate uncertainty factor of 3. The uncertainty factor is modified from the default 10-fold values for the use of a subchronic study and for protection of sensitive individuals because EPA considers the critical study's unique focus and other supporting studies as supporting an uncertainty factor of 3.

Although human and animal data indicate that the respiratory system is a target for barium toxicity, and that systemic effects such as hypertension may result from exposure, EPA cannot recommend an inhalation RfC at the present time (USEPA 2001), because both the human and animal study parameters and results were poorly reported.

Barium is is presently listed by EPA in Group D (not classifiable as to human carcinogenicity); but it is considered not likely to be carcinogenic to humans via oral

exposure under EPA's proposed guidelines for carcinogenic risk assessment (USEPA 1996). Its carcinogenic potential following inhalation exposure cannot be determined.

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BENZ(a)ANTHRACENE

Benz(a)anthracene (BaA) ($C_{18}H_{12}$, CAS registry number 56-55-3) is a polynuclear aromatic hydrocarbon that exists as solid, colorless plates with a greenish-yellow fluorescence at standard temperature and pressure. It occurs as a by-product of incomplete combustion of organic substances. It is a constituent in mainstream cigarette smoke, exhaust emissions from gasoline engines, charcoal-broiled foods, and crude oils (HSDB 2000).

Cancer

Benz(a)anthracene is classified by EPA in the category B2, probable human carcinogen, based on a lack of human data but sufficient data from animal bioassays (USEPA 2001).

There were no reported epidemiologic data in humans assessing the carcinogenicity of BaA, although BaA is a component of mixtures that have been associated with human cancer. These mixtures include coal tar, soots, coke oven emissions, and cigarette smoke (USEPA 2001).

In a group of male B6AF1/J mice exposed by gavage to 3 percent solutions BaA in dioctyl ester of sodium sulfosuccinic acid three times per week for 5 weeks, there was an increased incidence of pulmonary adenoma and hepatoma in treated animals versus controls (Klein 1963). After 546 days, 100 percent of treated animals had hepatomas versus 10 percent of controls. In another study, mice (strain and sex not specified) dosed with multiple gavage of 0.5 mg BaA in mineral oil (17 mg/kg for 8 or 16 treatments at 3-7 day intervals) resulted in forestomach papillomas in 2 out of 27 treated mice and none in controls (USEPA 2001).

BaA yielded positive results in tests for complete carcinogenicity and initiating activity in skin painting assays in C3H/He, CAF1, and ICR/Ha mouse strains (USEPA 1994). C3H/He mice were painted 3 times weekly with several concentrations (0.002 percent, 0.02 percent, 0.2 percent, or 1 percent) of BaA in toluene or in n-dodecane. Tumors, mostly malignant, formed after 50 weeks off treatment in the three lower concentrations (Bingham and Falk 1969).

Groups of male and female CD-1 mice received intraperitoneal injections of BaA in DMSO on days 1, 8, and 15 of age (total dosage 638 μg/mouse) (Wislocki et al. 1986). There was a statistically significant increase in the incidence of liver adenomas or carcinomas (31/39 in treated versus 2/28 in controls); however, female mice did not develop liver tumors. There was an increase in pulmonary adenomas or carcinomas in males (not statistically significant), although the incidence in female treated mice was increased significantly (6/32 in treated versus 0/31 in controls).

Subcutaneous injection of BaA in tricaprylin into C57B1 mice produced injection site sarcomas 9 months following treatment. The doses were 0.05, 0.2, 1.0, 5.0, or 10 mg, and the corresponding incidence of tumor formation was 12 percent, 26 percent, 48

percent, 34 percent, and 31 percent, respectively. A statistical analysis was not reported (USEPA 2001).

Intramuscular injection of BaA in combination with 1 or 3 percent croton oil produced injection site fibrosarcomas and hemangioendotheliomas in Strain A-derived albino mice. Of the mice injected with BaA in 1 percent croton oil, 3/24 developed tumors, and in the 3 percent croton oil administration, 1/26 developed tumors.

No studies were found that investigated the carcinogenicity of BaA via inhalation.

Mutagenicity

BaA was mutagenic to *S. Typhimurium*, *Drosophila melangaster*, and mammalian cell *in vitro* in the presence of an exogenous metabolic system. There was some evidence of clastogenic activity, as BaA yielded mostly positive results for DNA damage, mutations, chromosomal effects, and cell transformation in a variety of eukaryotic cells (USEPA 2001).

Systemic Toxicity

No studies were located that investigated the systemic toxicity of BaA in either humans or animals.

Toxicokinetics

No studies have been located on the absorption of BaA in isolation, although BaA undergoes intestinal transport by passive diffusion (Rees et al. 1971). A discussion of the toxicokinetics of PAHs as a class of compounds is presented in the polycyclic aromatic harbon section above.

Metabolism

BaA is similar to other polynuclear aromatic hydrocarbons that have a "bay-region" structure; it is metabolized by the mixed function oxidases to reactive bay-region diol epoxides (i.e., the sterically hindered cup-shaped area between carbons 1 and 12 of benzo(a)anthracene) intermediates of diol epoxide are currently considered to be the ultimate carcinogen for alternant PAHs (Jerina et al. 1980). These diol epoxides are easily converted into carbonium ions, which are alkylating agents. BaA is metabolized to all five of its dihydrodiols and a number of phenolic metabolites and conjugates. The 3,4-dihydrodiol is mutagenic in the presence of rat liver microsomal fraction, and the 3,4-dihydrodiol and 3,4-diol-1,2-epoxide are also highly tumorigenic.

Toxicity Values

EPA (USEPA 2001) has performed no quantitative estimates of risk for human exposure to benzo(a)anthracene. To derive a CPF for BaA, a relative potency factor of 0.1

(USEPA 1993) was applied to the benzo(a)pyrene slope factor to obtain an oral SF of 7.3 $\times 10^{-1}$ (mg/kg-day)$^{-1}$ for BaA. The NCEA derived an inhalation slope factor for benzo(a)pyrene of 3.1 (mg/kg/day)$^{-1}$, which has been modified by the same relative potency factor of 0.1 to 0.31 (mg/kg/day)$^{-1}$.

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BENZENE

Benzene (C_6H_6, CAS Registry Number 71-43-2) is a volatile, colorless, liquid aromatic hydrocarbon with a characteristic odor. Environmental benzene is primarily created anthropogenically, although a small amount arises from natural events (i.e., forest fires and volcanoes). Benzene is obtained primarily from petroleum, with coal being a minor secondary source. As a result of its anti-knock characteristics, it is an important component of unleaded gasoline. Benzene is also used commercially as a solvent, in the manufacture of plastics, and as an intermediate in the manufacture of a wide range of chemical products. Due to its adverse health effects in humans, however, its use as a solvent has been greatly reduced.

Carcinogenicity

Benzene has been classified as a known human carcinogen (category A) by EPA, based on several occupational epidemiology studies showing an increased incidence of nonlymphocytic leukemia associated with high workplace exposures (USEPA 2001). Supporting evidence comes from rodent studies in which benzene induced tumors in multiple species at multiple sites when administered either by inhalation or by gavage (USEPA 2001). While some studies have implicated other types of leukemia and possibly lymphoma with exposure to high concentrations of benzene, the evidence is strongest and most consistent for acute myeloid leukemia (AML) and variants of that condition (Goldstein 1988).

Mutagenicity

Benzene is not mutagenic in *in vitro* studies in bacterial (*Salmonella* and yeast) or mammalian (mouse lymphoma cells) bioassays (USEPA 2001). Administered *in vivo*, however, benzene induces chromosomal aberrations in bone marrow cells of rabbits (Kissling and Speck 1973), mice (Meyne and Legator 1980), and rats (Anderson and Richardson 1979). Several investigators have also reported positive results for benzene in the mouse micronucleus assay at high doses (ATSDR 1991). Workers exposed occupationally to high doses of benzene have shown increases in the number of chromosomal aberrations in bone marrow cells and in peripheral lymphocytes (IARC 1982).

Systemic Toxicity

The major systemic effect of high-dose, chronic exposure to benzene is hematotoxicity. Benzene exerts its toxic effects in the bone marrow, producing deficiencies of blood cells such as pancytopenia (significant decreases in all major types of blood cells, C erythrocytes, leukocytes and platelets) and aplastic anemia (which can progress to acute nonlymphocytic leukemia). Deficiencies in various types of blood cells lead to other disorders such as hemorrhagic conditions from a lack of platelets, susceptibility to infection from lack of leukocytes, and increased cardiac output from lack of erythrocytes.

Neurological abnormalities have been observed in humans with previous chronic occupational exposure to benzene (air concentrations reached 210 ppm or higher) (Baslo and Aksoy 1982). The abnormalities included distal nephropathy in patients with pre-existing aplastic anemia.

Animal responses to benzene exposure vary and may depend on factors such as species, strain, duration of exposure, and pattern of exposure (e.g., intermittent versus continuous).
Relatively high concentrations of benzene may induce fetal growth retardation or an increase in skeletal abnormalities when pregnant mice and rats are exposed via inhalation (ATSDR 1991). Fetotoxicity in animals may be a function of maternal toxicity (Tatrai et al. 1980).

Toxicokinetics

Benzene is readily absorbed through the lungs and about 30 to 50 percent is excreted unchanged in exhaled air. The 40 to 50 percent that is retained is taken up preferentially by fatty and nervous tissues, broken down into metabolites by the liver, and excreted in urine (IARC 1974). In addition, significant amounts of benzene may enter the body through the skin. When ingested, it is absorbed through the gastrointestinal tract.

Metabolism

The toxicokinetics of benzene suggest that its metabolism is complex and that toxicity and carcinogenicity may occur only after it has been biotransformed to possibly synergistic reactive metabolites (Stevens et al. 1994, Medinski et al. 1996, Lee et al. 1996, Rothman 1997). Benzene is broken down into its major metabolites (phenol, hydroquinone, and catechol) by cytochrome P4502E1 in the liver and excreted in the urine via glucuronide or sulfate conjugation (Henderson et al. 1989). It appears that catechol and phenol are formed by two distinctly different metabolic pathways. Hydroquinone is thought to result from a second passage of phenol through the mixed function oxidases.

Other putative toxic metabolites include (1) benzoquinone, resulting from the oxidation of hydroquinone (formed by the oxidation of phenol), and (2) muconic dialdehyde (also referred to as *trans, trans*-muconaldehyde), resulting from ring opening of either benzene epoxide or a nonreactive metabolic intermediate, benzene glycol, in the presence of NADPH. Muconic dialdehyde is a known hematotoxin (Latriano et al. 1986), and the percent of this metabolite formed *in vivo* increases nonlinearly with increasing dose.

Biotransformation of benzene is essential for benzene-induced bone marrow damage. There is disagreement as to whether benzene is activated in the marrow or activated elsewhere and transported to the marrow. When several of the metabolites of benzene were compared with the parent compound in hematotoxicity studies, the metabolites were less toxic than benzene. Tunek et al. (1981) suggested that perhaps the metabolites tested

may conjugate strongly in the liver and possibly other organs, and may not reach the bone marrow in amounts sufficient to produce the expected hematotoxicity.

Toxicity Values

An oral slope factor ranging from 1.5×10^{-2} to 5.5×10^{-2} per (mg/kg)/day has been extrapolated by USEPA (USEPA 2001) from the results of human occupational studies of workers who showed an increased incidence of leukemia after inhalation exposure. Expected differences in absorption by the two exposure routes were taken into account.

EPA estimates that an air unit risk ranging from 2.2×10^{-6} to 7.8×10^{-6} is the increase in risk to an individual exposed for a lifetime to $1 \mu g/m^3$ benzene in air (USEPA 2001).

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BENZO(b)FLUORANTHENE

Benzo(b)fluoranthene ($C_{20}H_{12}$, MW 252.3, CAS registry number 205-99-2) is a polynuclear aromatic hydrocarbon that exists in pure form as colorless needles. Benzo(b)fluoranthene (BbF) is virtually insoluble in water, and slightly soluble in organic media. BbF occurs in fossil fuels, and is formed by the incomplete combustion of fossil fuels. It has also been identified in cigarette smoke, engine exhaust, broiled and smoked food, edible oils and margarines, and various water bodies.

Cancer

The carcinogenicity of BbF has not been classified by EPA (USEPA 2001). Epidemiologic studies have demonstrated increased mortality due to lung cancer in humans exposed via inhalation to coke-oven emissions (Lloyd 1971; Mazumdar et al. 1975; Redmond et al. 1976), roofing-tar emissions (Hammond et al. 1976), and cigarette smoke (McLure and MacMahon 1980). Reports of skin tumors among individuals exposed to mixtures containing BbF have been documented. The earliest of these is the report by Pott (1775) of scrotal cancer among chimney sweeps. More recently, skin cancer among humans dermally exposed to shale oils has been reported (Purde and Etlin 1980). Each of these mixtures contains a number of PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, benzo(a)anthracene, benzo(k)fluoranthene, and dibenzo(a,h)anthracene, as well as other potentially carcinogenic PAHs and other potentially carcinogenic chemicals, including nitrosamines, coal tar pitch, and creosote. It is impossible to evaluate the contribution of any individual PAH to the total carcinogenicity of these mixtures in humans because of the complexity of the mixtures and the presence of other carcinogens. Therefore, epidemiologic evidence in humans regarding the potential carcinogenicity of BbF is inadequate.

A dose-response relationship for the dermal carcinogenicity of BbF has been demonstrated over an order-of-magnitude dose range in Swiss mice receiving daily topical doses throughout their lifetime (Wynder and Hoffmann 1959b). Survival was also dose-dependent. The time-to-tumor latency was short, with skin papillomas and carcinomas appearing in high dose groups after 5 months of treatment.

Mutagenicity

A single topical application of 100 μg BbF was reported to bind to DNA in mouse skin (Weyand et al. 1987). The relative extent of binding for carcinogenic PAHs was benzo(b)fluoranthene > benzo(k)fluoranthene > indeno(1,2,3-cd)pyrene (Weyand et al. 1987), which corresponds to the relative cancer potency of these PAHs.

Systemic Toxicity

No studies were located that assessed the systemic toxicity of BbF.

Toxicokinetics

PAHs have been divided into two groups, based on structural similarity and likely metabolic/detoxification pathways. These two groups have been termed "alternant" and "non-alternant" and differ in the electron density associated with the molecule. Alternant PAHs have an equally distributed electron density, whereas non-alternant PAHs have an uneven distribution of electron density from one portion of the molecule to the other and behave almost as if they were two different molecules. Structurally, alternant PAHs consist of multiple 6-membered rings, whereas non-alternant PAHs consist of several 6-membered rings, and one 5-membered ring to which many of the 6-membered rings are attached. It is the 5-membered ring that contributes substantially to the uneven distribution of electron density. Generally, alternant PAHs are more potent than non-alternant PAHs (ATSDR 1990b), and the mechanisms of carcinogenicity appear to be different between the two groups. BbF is a non-alternant PAH.

Metabolism

The mechanism of carcinogenicity of non-alternant PAHs is unclear, because non-alternant PAHs either do not have a bay region or have been shown not to be activated via a bay-region epoxide, as are alternant PAHs (Amin et al. 1985a,b). Studies of BbF metabolism indicate the major metabolites of this non-alternant PAH are 6-hydroxybenzo(b)fluoranthene and 4- or 7-hydroxybenzo(b)fluoranthene; the predominant diol formed was trans-11,12-dihydro-11,12-dihydroxybenzo(b)-fluoranthene (Amin et al. 1982, 1985b). There was no evidence to suggest that a diol epoxide is the ultimate carcinogenic metabolite of non-alternant PAHs. If non-alternants differ in their mechanism of action, then they may also differ with regard to other factors, including target organ and species sensitivity.

Toxicity Values

EPA (USEPA 2001) has not calculated quantitative risk estimates for human exposure to BbF. To derive a cancer potency factor for BbF, a relative potency factor of 0.1 (USEPA 1993) is applied to the BaP cancer potency factor to obtain an oral CPF for BbF of 7.3×10^{-1} $(mg/kg\text{-}day)^{-1}$. The NCEA derived an inhalation slope factor for benzo(a)pyrene of 3.1 $(mg/kg/day)^{-1}$, which has been modified by the same relative potency factor of 0.1 to 0.31 $(mg/kg/day)^{-1}$.

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BENZO(a)PYRENE

Aside from one study, reports of subchronic and chronic systemic toxicity of benzo(a)pyrene (C_{20}-H_{12}, CAS Registry No. 50-32-8) by any route have not been found (ATSDR, 1995). Workers in a rubber factory with measured exposures to benzo(a)pyrene and total suspended particulate matter were monitored for respiratory health (Gupta et al., 1993). Long-term employees had statistically significant loss of ventilatory function; those with highest exposures exhibited patch opacities in the lungs, prominent bronchiovascular markings, and pleural effusions, along with bloody vomit, breathing problems, chest pains, lung and throat irritation, and cough. Workers in other parts of the plant were similarly affected to a lesser degree. No attempt was made to separate the effects of exposure to benzo(a)pyrene and particulates, or to identify other potentially toxic air pollutants at the plant. Other human occupational studies (Assenato et al., 1993; Santella et al., 1993) seeking markers of BaP exposure experienced similar problems of confounding and revealed trends, but could not establish statistically significant effects. Wolff et al. (1989) tested 40 male and 40 female Fischer-344 Crl rats with nose-only exposures to a 7.7-mg/m^3 aerosol of benzo(a)pyrene 2 hrs/day, 5 days/week for 4 weeks, and found no treatment-related lesions in the lungs or nasal cavities; but no dose-response relationship could be established with this single-level study, and the rest of the respiratory tract was not examined. A few other research studies have explored some systemic pathologic endpoints in a few animals exposed either by ingestion or inhalation (Nousiainen et al., 1984; Robinson et al., 1975; Thyssen et al., 1981). However, the findings of these investigations are also judged inadequate to estimate the risks of this compound for exposed humans.

The carcinogenicity of benzo(a)pyrene has been classified as Category B2 by USEPA (2001). The effects of this chemical by skin contact, ingestion, and inhalation have been investigated. Epidemiology studies have demonstrated increased mortality due to lung cancer in humans exposed via inhalation to coke-oven emissions (Lloyd, 1971; Mazumdar et al., 1975; Redmond et al., 1976), roofing tar emissions (Hammond et al., 1976), and cigarette smoke (McLure and MacMahon, 1980). Reports of skin tumors among individuals exposed to mixtures containing PAHs have also been documented (e.g., Purde and Etlin, 1980). Each of these mixtures contained a number of PAHs including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)anthracene, dibenz(a,h)anthracene, as well as other potentially carcinogenic chemicals including nitrosamines, coal tar pitch, and creosote. Evaluating the contribution of any individual PAH to the total carcinogenicity of these mixtures in humans is not possible, because of the complexity of the mixtures and the presence of other carcinogens. Thus, epidemiologic evidence in humans regarding the potential carcinogenicity of benzo(a)pyrene alone is inadequate.

Experimental studies in laboratory animals have shown that repeated administration of benzo(a)pyrene by any route is associated with an increased incidence of tumors. It is tumorigenic in animals via dietary administration, gavage, inhalation, intratracheal instillation, and dermal and subcutaneous applications (USEPA 2001). Mice administered daily dietary doses of up to 1000 ppm benzo(a)pyrene for 38 to 238 days

exhibited an increased incidence of stomach tumors (Rigdon and Neal, 1966). Benzo(a)pyrene induces skin tumors in mice at the point of contact with repeated dermal application (Shubik and della Porta, 1957). An inhalation study by Thyssen et al. (1981) showed that repeated exposure to benzo(a)pyrene particles induced respiratory tract tumors in Syrian golden hamsters. Benzo(a)pyrene is mutagenic in the Ames assay and in prokaryote and mammalian cell culture tests for DNA damage (USEPA 2001), providing supporting data for its possible mechanism of action as an initiator of tumorigenesis.

Benzo(a)pyrene appears to be a developmental and reproductive toxicant when administered at high doses by ingestion to pregnant mice (MacKenzie and Angevine, 1981; Rigdon and Neal, 1965) and rats (Rigdon and Rennels, 1964), although results are inconsistent among studies. In addition, the findings may be of questionable relevance to humans, since the doses administered appear to have induced maternal toxicity (MacKenzie and Angevine, 1981; Shevaleva, 1978; Rigdon and Neal, 1965).

Among the carcinogenic PAHs, benzo(a)pyrene has been the most widely studied, and is considered by some to be the most potent, although sometimes dibenz(a,h)anthracene is also acknowledged as being of similar potency. Therefore, the toxicity of benzo(a)pyrene was chosen as the relative standard against which the carcinogenic potential of other PAHs in this study were considered, and then applied to the quantitative assessment of their risk.

Toxicity Values

No toxicity values for health effects other than cancer have been derived for benzo(a)pyrene (USEPA 2001).

Carcinogenic PAHs appear to exert their effects mainly at the point of contact (dermal application results in skin tumors), or portal of entry (ingestion results mainly in forestomach tumors. Inhalation results in respiratory tract tumors and tumors of the upper digestive tract presumably due to mucociliary particle clearance and involuntary ingestion of particles). Tumors distant from the point of application have also been observed. Among the PAHs, benzo(a)pyrene (BaP) has the ability to elicit cancer, and it is the most potent carcinogen.

For ingestion of BaP, a SF of 7.3 $(mg/kg\text{-}day)^{-1}$ was estimated by USEPA (2001). This SF is the geometric mean of four slopes (ranging from 4.5 to 11.7 $(mg/kg\text{-}day)^{-1}$) derived by different modeling procedures from the studies of Neal and Rigdon (1967), Rabstein et al. (1973), and Brune et al. (1981).

Few studies have evaluated the carcinogenic effects of inhalation exposure to BaP. Rats exposed chronically to combustion gases of a coal-burning furnace enriched with BaP developed lung tumors. However, these gases contained other PAHs, as well as other potentially carcinogenic compounds, so that a direct association between BaP exposure and lung tumors cannot be made (Heinrich et al., 1986).

A provisional inhalation toxicity value for benzo(a)pyrene has been developed by USEPA National Center for Environmental Assessment, based on a hamster inhalation study. The inhalation slope factor is 3.1 $(mg/kg\text{-}day)^{-1}$ and the inhalation unit risk is 0.88 $(mg/m^3)^{-1}$.

As per USEPA (1989) guidance, it is not recommended to derive a dermal SF from oral data for the carcinogenic PAHs.

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BIS(2-ETHYLHEXYL)PHTHALATE

Potential targets of bis(2-ethylhexyl) phthalate [di(2-ethylhexyl)phthalate, or DEHP] toxicity include the liver (altered morphology, physiology, and biochemistry), gastrointestinal tract, cardiac, hematological, renal, and reproductive systems. With oral administration of di(2-ethylhexyl)phthalate for subchronic exposure durations of 2 weeks to 1 year, animal LOAELs ranging from 50 to 2000 mg/kg/day have been observed; the lowest reported animal NOAEL is 5 mg/kg/day for liver toxicity (ATSDR 1993). With chronic oral exposures, typical animal LOAELs and NOAELs range from 10 to 2000 mg/kg/day, depending on the species, the route of administration, target organ toxicity, and duration of exposure (ATSDR 1991). Phthalate esters are reported to induce hepatic peroxisome proliferation in rodents, although the relevance of these cellular changes to target organ disease or injury is not certain.

EPA considers di(2-ethylhexyl)phthalate to be a probable human carcinogen, based on the results of an NTP (1982) cancer bioassay. Male and female rats and mice were exposed to di(2-ethylhexyl)phthalate in their diet for 2 years. No clinical signs of toxicity were observed in either rats or mice. However, a statistically significant increase in the incidence of hepatocellular carcinomas and in the combined incidences of hepatocellular carcinomas and adenomas was observed in female rats and both sexes of mice.

Toxicity values EPA (USEPA 1999) has established a oral chronic RfD for di(2-ethylhexyl)phthalate of 0.02 mg/kg/day, based on the finding of increased relative liver weights in guinea pigs exposed to di(2-ethylhexyl)phthalate in the diet for one year (Carpenter *et al.* 1953). The LOAEL in this study was 19 mg/kg/day (equivalent to 0.04% of the diet), and uncertainty factors totaling 1000 (species-to-species extrapolation (10-fold), variability among human subpopulations (10-fold), and the use of subchronic data to derive a chronic toxicity value (10-fold) were applied. The subchronic oral RfD is 0.2 mg/kg/day. Dermal RfDs were estimated using the default oral absorption factor of 0.5 for semi-volatile organic compounds (USEPA Region IV 1996). EPA has not derived inhalation RfCs for DEHP.

EPA (USEPA 1999) has calculated an oral SF for bis(2-ethylhexyl)phthalate of 1.4×10^{-2} $(mg/kg\text{-}d)^{-1}$. The oral SF is based on the increased incidence of combined hepatocellular carcinoma and adenoma in male mice from the NTP (1982) feeding study, using standard food consumption rates for rodents. The dermal SF is derived from the oral SF using a default oral absorption efficiency factor of 0.5 for semivolatile organic compounds (EPA Region IV 1996). No inhalation SF has been determined for DEHP by EPA.

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CHLOROFORM

Chloroform ($CHCl_3$; CAS Registry No. 67-66-3) is a colorless, heavy liquid with a pleasant, non-irritating, etheric odor. It has been used in the past in the manufacture of the refrigerant HCFC-22 (monochlorodifluoromethane); as a raw material for polytetrafluoroethylene plastics; as a solvent for fats, oils, alkaloids, and waxes; as a cleansing agent; as an insecticidal fumigant for stored grain; as an ingredient in toothpaste, cough syrup, linaments; in human and veterinary medicine; and in the rubber industry (HSDB 2000).

Cancer

Chloroform is classified as a probable human carcinogen (Category B2), based on increased incidence of several tumor types in rats and three strains of mice, but inadequate human data (EPA 2001).

Mutagenicity

The majority of tests for genotoxicity of chloroform (including covalent binding to DNA, mutation in Salmonella, a Drosophila sex-linked recessive test, tests for DNA damage, a micronucleus test, and transformation of BHK cells) have been negative; however, it did cause mitotic recombination in Saccharomyces (Callen et al., 1980) and sister chromatid exchange in cultured human lymphocytes and in mouse bone marrow cells exposed in vivo (Morimoto and Koizumi 1983) (EPA 2001).

Systemic Toxicity

Adverse effects resulting from chloroform ingestion have been widely studied. Effects of subchronic and chronic exposure to chloroform range from mortality through various systemic (respiratory, cardiovascular, gastrointestinal, hematological, musculoskeletal, hepatic, and renal systems), immunological, neurological, developmental, reproductive, and carcinogenic effects (ATSDR 1993). Typical animal LOAELs and NOAELs for these varied systems range from 30 to 600 mg/kg-day chloroform for subchronic and chronic exposure durations (ATSDR 1993). Cancer in laboratory animals is reported from various studies to occur with ingestion of approximately 60 to 200 mg/kg-day chloroform for 78 to 180 weeks (ATSDR 1993).

Chloroform was first recognized for its ability to depress central nervous system function, hence its use as a general anesthetic (Simpson 1847). Much as with oral exposure, inhalation exposure to chloroform may bring about death, systemic effects (respiratory, gastrointestinal, hematological, hepatic, renal), neurological effects, and cancer. Human and laboratory animal LOAELs and NOAELs for systemic or neurological toxicity occur largely in the range of 10 to 100 ppm exposures (ATSDR 1993).

Neither ATSDR (1993) nor EPA (USEPA 2001) have reviewed, in their toxicological assessments of chloroform, studies relating subchronic or chronic dermal exposure to

chloroform with adverse health effects in rodents or humans. Acute exposure NOAELs for hepatic, dermal, or renal effects in rabbits are observed with topical application of solutions containing 1000 to 4000 mg chloroform per kilogram body weight (ATSDR 1993).

Toxicity Values

EPA has established an oral RfD of 0.01 mg chloroform ingested per kilogram body weight per day, based on formation of fatty cysts in the liver of chronically-exposed dogs (Heywood et al. 1979) (USEPA 2001). This RfD is based upon a LOAEL of 15 mg/kg-day, adjusted to 12.9 mg/kg-day to reflect a 7-day per week dosing schedule, and an aggregate uncertainty factor of 1000. The uncertainty factor incorporates use of a LOAEL, interspecies conversion, and human sensitivity (10-fold each). No inhalation RfC has been derived for chloroform.

EPA has calculated an oral slope factor (a plausible upper-bound estimate of the probability of a carcinogenic response per unit intake of the chemical over a lifetime) for chloroform of 0.0061 $(mg/kg\text{-}day)^{-1}$ (USEPA 2001). The slope factor calculation was based on kidney tumors in male Osborne-Mendel rats administered chloroform via drinking water (Jorgenson et al. 1982).

EPA has calculated an inhalation unit risk concentration (risk per unit concentration of chloroform in the air) of 2.3×10^{-5} $(\mu g/m^3)^{-1}$, which is the geometric mean of separate male and female slope factors (USEPA 2001). The critical study (NCI 1976) for this derivation reported hepatocellular carcinoma in female $B6C3F_1$ mice and kidney tumors in male rats administered chloroform by gavage. Studies by Roe et al. (1979) are generally supportive of the risk estimate.

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COPPER

Copper (Cu; CAS Registry No. 7440-50-8) is a ubiquitous, nutritionally essential trace element required for hemoglobin synthesis and for varied oxidative enzymes; copper also has various industrial uses.

Cancer

At present, EPA considers copper to be unclassifiable as a human carcinogen (Category D), based on an absence of human carcinogenicity data, inadequate evidence of carcinogenicity in animals, and equivocal mutagenicity data (USEPA 2001).

EPA (USEPA 2001) summarized the inadequacy of the animal carcinogenicity data, as follows:

Bionetics Research Labs (1968) studied the carcinogenicity of a copper-containing compound, copper hydroxyquinoline, in two strains of mice (B6C3F1 and B6AKF1). Groups of 18 male and 18 female 7-day-old mice were administered 1,000 mg/kg copper hydroxyquinoline (180.6 mg Cu/kg) suspended in 0.5 percent gelatin daily until they were 28 days old, after which they were administered 2,800 ppm (505.6 ppm Cu) in the feed for 50 additional weeks. No statistically significant increases in tumor incidences were observed in the treated 78-week-old animals.

In the same study, Bionetics Research Labs (1968) administered a single subcutaneous injection of gelatin (control) or 1,000 mg/kg of copper hydroxyquinoline (180.6 mg Cu/kg) suspended in 0.5 percent gelatin to groups of 28-day-old mice of both strains. After 50 days of observation, the male $B6C3F_1$ had an increased incidence of reticulum cell sarcomas compared with controls. No tumors were observed in the treated male $B6AKF_1$ mice, and a low incidence of reticulum cell sarcomas was observed in the treated female mice of both strains.

Gilman (1962) administered intramuscular injections containing 20 mg of cupric oxide (16 mg Cu), cupric sulfide (13.3 mg Cu), and cuprous sulfide (16 mg Cu) into the left and right thighs of 2- to 3-month-old Wistar rats. After 20 months of observations, no injection-site tumors were observed in any animals, but other tumors were observed at very low incidence in the animals receiving cupric sulfide (2/30) and cuprous sulfide (1/30). As the relevance of the organic copper compound to the observation of sarcoma induction is uncertain and the incidence of tumors in rats treated *i.m.* with inorganic copper was very low, data are considered inadequate for classification.

Mutagenicity

Moriya et al. (1983) reported no increase in mutations in *E. coli* and *S. typhimurium* strains TA98, TA1535, TA1537 and TA1538 incubated with up to 5 mg copper quinolinolate per plate and in *S. typhimurium* TA98 and TA100 incubated with up to 5 mg copper sulfate per plate. Demerec et al. (1951) reported dose-related mutagenic effects in *E. coli* with 2-10 ppm copper sulfate in a reverse mutation assay. Negative results were obtained with copper sulfate or copper chloride in assays using *S. cerevisiae* (Singh 1983) and *Bacillus subtilis* (Nishioka 1975, Matsui 1980, Kanematsu et al. 1980). Errors in DNA synthesis from poly(c)templates have been induced in viruses incubated with copper chloride or copper acetate (Sirover and Loeb 1976). Chromosomal aberrations were induced in isolated rat hepatocytes when incubated with copper sulfate (Sina et al. 1983). Casto et al. (1979) showed enhanced cell transformation in Syrian hamster embryo cells infected with simian adenovirus with the addition of cuprous sulfide and copper sulfate. High concentrations of copper compounds have been reported to induce mitosis in rat ascites cells and recessive lethals in *Drosophila melanogaster*. Law (1938) reported increases in the percent lethals observed in *Drosophila* larvae and eggs when exposed to copper by microinjection (0.1 percent copper sulfate) or immersion (concentrated aqueous copper sulfate), respectively.

Systemic Toxicity

Because of its role as a nutritionally essential element, copper is subject to homeostatic mechanisms that attempt to maintain a physiologically balanced supply of the nutrient. Thus, altered copper status can create problems of both deficiency and excess. Copper deficiency is primarily a topic for nutritionists, and only copper excess (toxicity) will be considered here. An additional consideration is the chemical speciation of the nutrient. Generally, the element must be in a biologically available form (e.g., a soluble salt) to exert toxic effects; insoluble forms usually preclude any significant absorption into an organism.

As a dietary requirement, oral exposure to copper has been well studied in animals and humans. Toxic effects can be noted in a variety of organ systems with excess ingestion of copper: cardiovascular, hematological, musculoskeletal, hepatic, renal, neurological, developmental, reproductive, as well as mortality (ATSDR 1989). In laboratory animals exposed to copper for subchronic or chronic durations, LOAELs and NOAELs for ingested copper typically range from 3 to 150 mg/kg-day (ATSDR 1989).

Inhalation exposure to copper aerosols or fumes for subchronic or chronic durations have been much less studied. Changes in alveolar type II cells have occurred in rabbits exposed to 0.6 mg Cu/m^3 for 6 hr/day, 5 day/wk, for 4 to 6 weeks (Johansson et al. 1984; Lundborg and Camner 1984). This value is reported as a NOAEL by ATSDR (1989).

Neither ATSDR (1989a) nor EPA (USEPA 2001) has reviewed, in their toxicological assessments of copper, studies relating subchronic or chronic dermal exposure to copper with adverse health effects in rodents or humans. A few acute effects are, however, reported by ATSDR (1989), including dermal irritation, and hematological and immunological effects.

Toxicity Values

A subchronic and chronic oral RfD for copper was reported as 1.3 mg/L (3.7×10^{-2} mg/kg-day), which is the current maximum contaminant level (MCL) standard for copper (USEPA 1991). EPA has not set an oral RfD (USEPA 2001).

The EPA weight-of-evidence classification for the carcinogenicity of copper is Category D (not classifiable as to human carcinogenicity), and no slope factors have been calculated (USEPA 2001).

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1,2-DICHLOROETHANE

1,2-Dichloroethane (CAS No. 107-06-2) is used primarily in the manufacture of vinyl chloride, as well as in the synthesis of tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, vinylidene chloride, aziridines, and ethylenediamines (U.S. Air Force 1989, ATSDR 1992). It is added to gasoline as a lead-scavenging agent, and, in the past, has been used as a metal degreasing agent; a solvent; and a fumigant for grain, upholstery, and carpets. It has also been used in paints, coatings, adhesives, varnishes, finish removers, soaps, and scouring agents (U.S. Air Force 1989, ATSDR 1992).

Toxicokinetics

1,2-Dichloroethane is absorbed through the lungs, gastrointestinal system, and skin (ATSDR 1992). It is distributed throughout the body but may be concentrated in adipose tissue. The compound can also accumulate in breast milk (Urusova 1953) and may cross the placenta (Withey and Karpinski 1985, Vozovaya 1977). Metabolism of 1,2-dichloroethane most likely involves conjugation with glutathione (ATSDR 1992). Excretion occurs primarily through elimination of soluble urinary metabolites (Reitz et al. 1982, Spreafico et al. 1980).

Systemic Toxicity

Bronchitis, hemorrhagic gastritis and colitis, hepatocellular damage, renal tubular necrosis, central nervous system depression, and histopathological changes in the brain have been reported in cases of acute oral poisoning of humans (ATSDR 1992, NIOSH 1976). Animal data indicate that short-term exposures may produce immune system deficiencies (Munson et al. 1982), and subchronic or chronic oral exposures may affect the liver or kidney (NTP 1991, Alumot et al. 1976).

Acute inhalation exposures to 1,2-dichloroethane can result in irritation of the eyes, nose and throat, dizziness, nausea, vomiting, increasing stupor, cyanosis, rapid pulse, delirium, anesthesia, partial paralysis, loss of tactile sense, degenerative changes in the myocardium, abnormal EEG, liver and kidney damage, pulmonary edema, and hemorrhages throughout the body (NIOSH 1976, CEC 1986, ATSDR 1992, Nouchi et al. 1984). Short-term exposures to animals have resulted in central nervous system depression (inactivity or stupor, tremors, uncertain gait, narcosis); pulmonary congestion; renal tubular degeneration; fatty degeneration of the liver and, less commonly, necrosis and hemorrhage of the adrenal cortex; chronic splenitis; fatty infiltration of the myocardium; and immuno-deficiency (Spencer et al. 1951, Heppel et al. 1946, Storer et al. 1984, Sherwood et al. 1987). Chronic occupational exposure to 1,2-dichloroethane may result in central nervous systems effects including irritability, sleeplessness, and decreased heart rate; loss of appetite; nausea; vomiting; epigastric pain, as well as irritation of the mucous membranes; and liver and kidney impairment (NIOSH 1976). Subchronic or chronic inhalation exposures to animals resulted in pathological lesions in the kidney, liver, heart, lungs, and testes (Heppel et al. 1946, Spencer et al. 1951, Cheever et al. 1990).

Carcinogenicity

1,2-Dichloroethane is classified EPA weight of evidence group B2 as a probable human carcinogen, based on evidence for the induction of several types of tumors in rats and mice. Male rats treated by gavage with 1,2-dichloroethane exhibited increased incidences of fibromas of the subcutaneous tissue; hemangiosarcomas of the spleen, liver, pancreas, and adrenal gland; and squamous-cell carcinomas of the forestomach. Female rats treated by gavage developed mammary adenocarcinomas. Increased incidences of hepatocellular carcinomas and pulmonary adenomas were observed in male mice treated by gavage, and increased incidences of mammary adenocarcinomas, pulmonary adenocarcinomas, and endometrial polyps and sarcomas were observed in female mice (NCI 1978). Mice treated by topical application of 1,2-dichloroethane exhibited an increased incidence of lung papillomas (Van Duuren et al., 1979).

Toxicity Values

EPA has established an oral reference dose (RfD) of 0.03 mg/kg-day (USEPA 1993). An inhalation RfD of 0.0014 mg/kg-day has been determined.

EPA has established an oral cancer slope factor of 0.091 per mg/kg/day (USEPA 2001), based on hemangiosarcomas in rats (NCI 1978). An inhalation cancer slop factor of 0.0014 per mg/kg-day has been determined (USEPA 2001).

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DIBENZ(a,h)ANTHRACENE

Reports of the subchronic or chronic systemic toxicity of dibenz(a,h)anthracene by any route have not been found (ATSDR, 1995). A few research studies have explored some systemic pathologic endpoints in a few animals exposed either by ingestion or injection (ATSDR, 1995). However, the findings of these investigations are judged inadequate to estimate the risks of dibenz(a,h)anthracene for exposed humans.

Dibenz(a,h)anthracene induced skin tumors following intermediate or long-term dermal exposure (Platt et al., 1990; Van Duuren et al., 1967; Wynder and Hoffmann, 1959a). The carcinogenicity of this chemical has been classified as Category B2 by USEPA. The carcinogenicity of ingested dibenz(a,h)anthracene by single dose and repeated dose was investigated in one study (Berenblum and Haran, 1955); however, the findings are inconclusive because of methodologic limitations. Carcinogenicity occurred in two intermediate-duration oral studies (Biancifiori and Caschera, 1962; Snell and Stewart, 1963), but one used no controls and the other was confounded by the vehicle.

No studies investigating the carcinogenicity of inhaled dibenz(a,h)anthracene have been conducted.

Toxicity Values

No toxicity values for health effects other than cancer have been derived for dibenz(a,h)anthracene.

Insufficient data are available to derive a SF for dibenz(a,h)anthracene. Based on USEPA Region IV guidance (USEPA 1996a), the oral SF for benzo(a)pyrene was used as a surrogate because the cancer potency of benzo(a)pyrene was considered to be representative of the potential for dibenz(a,h)anthracene to cause cancer.

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DIBENZOFURAN

Dibenzofuran ($C_{12}H_8O$; CAS Registry No. 132-64-9) is a colorless-to-white crystalline solid (leaves or needles) with a weak, characteristic odor. It is a component of diesel fuel, tobacco smoke, and heat-transfer oils; an intermediate in the production of dyes, plastics, and antioxidants in plastics; and a carrier for dyeing and printing textiles. Human exposure occurs occupationally to those working around coal tar and creosote and to the general population through tobacco smoke, other combustion sources, and contaminated food and drinking water (HSDB 2000).

Cancer

EPA has placed dibenzofuran in cancer category D (not classifiable as to human carcinogenicity). No data on this compound alone exist for humans; all studies have been of exposures to complex mixtures, and the contribution of individual components to cancer mortality cannot be determined. No animal carcinogenicity data is currently available. (USEPA 2001).

Mutagenicity

In an Ames assay, dibenzofuran was not mutagenic with or without metabolic activation in several strains of *Salmonella typhimurium* (Schoeny 1982).

Systemic Toxicity

No information has been found.

Toxicokinetics

No information has been found.

Metabolism

No information has been found.

Toxicity Values

EPA has calculated no references doses or slope factors for dibenzofuran (USEPA 2001). EPA NCEA has provided a provisional RfD of 0.004 mg/kg/day that has been used for this document.

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1,4-DICHLOROBENZENE

1,4-Dichlorobenzene (CAS 106-46-7), also referred to as para-DCB, p-DCB, paracide, Paramoth®, Parazene®, PDB, and Santochlor®, has a benzene ring with two chlorine atoms attached at the 1 and 4 carbon atoms. It is a white crystalline chemical with a penetrating, camphoraceous odor. It has a formula of $C_6H_4C_{l2}$, a molecular weight of 147.01, a melting point of 53.1C, and a vapor pressure of 64 torr at 20OC (Budavari et al. 1989). The odor threshold has been reported to be as low as 0.18 ppm (Amoore and Hautala 1983), and it does not occur naturally (ATSDR 1993). 1,4-Dichlorobenzene is a chemical used to control moths, molds, and mildew, and to deodorize restrooms and waste containers. It is the vapor that acts as a deodorizer or insect killer. Most people recognize the odor as the smell of mothballs, and can smell p-DCB in the air at very low levels. Most p-DCB in our environment comes from its use in moth repellent products and in toilet deodorizer blocks.

Noncarcinogenic Health Effects

A single gavage dose of 1000 mg/kg in rats and 1600 mg/kg in guinea pigs did not induce death; however, 4000 mg/kg in rats and 2800 mg/kg in guinea pigs resulted in 100% mortality (Hollingsworth et al. 1956). Oral LD_{50} values in adult rats were reported by Gaines and Linder (1986) to be 3900 and 3800 mg/kg for males and females, respectively. Administration of gradually increasing doses up to 770 mg/kg/day for 5 days produced high urinary excretion of porphyrin, coproporphyrin, uroporphyrin, porphobilinogen, and delta-aminolevulinic acid (ALA) (Rimington and Ziegler 1963). Liver concentrations of uroporphyrin and protoporphyrin were elevated, while concentrations of coproporphyrin were not. Rats gavaged with 250 mg/kg/day for 3 days had increased microsomal protein content and no change in the cytochrome P450 content. Several hepatic microsomal xenobiotic metabolic systems increased at low doses of 20 and 40 mg/kg/day. Protein droplet formation was noted in males but not females administered 1,4-dichlorobenzene by gavage with 7 daily doses of 120 or 300 mg/kg/day (Charbonneau et al. 1989). A single dose (500 mg/kg, gavage) of ^{14}C-1,4-dichlorobenzene produced a similar protein droplet formation, and the ^{14}C was reversibly associated with -2μ-globulin.

A pregnant woman (21 years old) consumed 1-2 blocks of 1,4-dichlorobenzene toilet air freshener per week throughout her pregnancy and developed severe hypochromic, microcytic anemia with excessive polychromasia, marginal nuclear hypersegmentation of the neutrophils, and a small number of red blood cells with Heinz bodies (Campbell and Davidson 1970). Her consumption of 1,4-dichlorobenzene ceased at about 38 weeks of gestation, and her hemoglobin concentrations increased.

Four 14-day gavage studies have reported deaths from 1,4-dichlorobenzene at the following doses: no deaths in male rats administered up to 1000 mg/kg/day, 80% (4/5) in female rats at 1000 mg/kg/day, 100% in male and female rats at 2000 mg/kg/day and higher, 70% in mice at 1000 mg/kg/day, and 100% in mice at 4000 mg/kg/day (NTP

1987). In 13-week gavage studies, mortality percentages were 0% for mice administered 900 mg/kg/day, 40% (8/20) for mice receiving 1500 mg/kg/day, and 85% (17/20) for rats dosed with 1500 mg/kg/day (NTP 1987).

In the NTP study (1987), F344/N rats were dosed with 0, 300, 600, 900, 1200, and 1500 mg/kg for 13 weeks, and $B6C3F_1$ mice were dosed with 0, 600, 900, 1200, and 1800 mg/kg for 13 weeks. The findings encompassed four systems: digestion, liver, blood, and kidney. Gastrointestinal irritation, described as epithelial necrosis and villar bridging of the mucosa of the small intestine, was observed in rats dosed with 1200 mg/kg/day. Decreased hematocrit levels, red blood cell counts, and hemoglobin concentrations were present in male rats dosed with 300 mg/kg/day. Mice dosed with 600 to 1800 mg/kg/day demonstrated 34 to 50% lower white cell counts. Rats displayed degeneration and necrosis of hepatocytes at 1200 and 1500 mg/kg/day. Serum cholesterol concentrations were elevated in the male rats receiving 600 mg/kg/day and in the female rats receiving 900 mg/kg/day. The serum triglycerides and protein concentrations were reduced in male rats dosed with 300 mg/kg/day. Both sexes of rats demonstrated increased urinary porphyrins at 1200 mg/kg/day. Male mice had increased serum cholesterol concentrations at doses of 900 mg/kg/day and serum protein and triglyercide concentrations at doses of 1500 mg/kg/day. Hepatocellular cytomegaly was present in mice administered 600 mg/kg/day. Hepatocellular degeneration was noted in male and female mice administered 600-1800 mg/kg/day. Male rats exhibited renal tubular degeneration, ranging from slight to severe at 300 mg/kg/day and moderate at the 600 mg/kg/day. Mice, however, did not exhibit renal effects at dose ranges of 600-1000 mg/kg/day or 80-900 mg/kg/day.
In another 13-week study, male rats dosed with 75-600 mg/kg/day were observed to have renal hyaline droplets in all males from the 150 mg/kg/day group and above (Bomhard et al. 1988). During a 13-week study (Carlson and Tardiff 1976), rats dosed with 20 and 40 mg/kg/day were observed to have increased O-ethyl-O-p-nitrophenyl phenylphosphorothionate detoxification and benzpyrene hydroxylase and azoreductase activities, suggesting hepatic enzyme induction. At the end of a 30-day recovery period, the benzpyrene hydrolase and azoreductase activities were still elevated. No effect on the hemoglobin or hematocrit concentrations of rats receiving 40 mg/kg/day was observed. Carlson (1977) reported increased liver porphyrins in rats dosed by gavage with 50 to 200 mg/kg/day for up to 120 days. Males may have been more sensitive than the females.

No respiratory, cardiovascular, gastrointestinal, hematological, musculoskeletal, dermal, or ocular effects were noted after 2 years of gavaging at 300 and 600 mg/kg/day in female rats and male and female mice and at 150 and 300 mg/kg/day in male rats (NTP 1987). Increased incidences of alterations in cell size (cytomegaly and karyomegaly), hepatocellular degeneration, and individual cell necrosis were observed in mice gavaged with 300 and 600 mg/kg/day. Nephropathy, epithelial hyperplasia of renal pelvis, mineralization of the collection tubules in the renal medulla, and focal hyperplasia of renal tubular epithelium were noted in male rats receiving 150 and 300 mg/kg/day. Female rats gavaged with 300 and 600 mg/kg/day demonstrated an increased incidence of nephropathy and minimal hyperplasia of the renal pelvis or tubules.

Pregnant female rats gavaged with 500 or 1000 mg/kg/day on gestation days 6-15 presented fetuses with a dose-related incidence of an extra rib, fetal weight loss at 1000 mg/kg/day, and reduced maternal weight gain at 500 and 1000 mg/kg/day (Giavini et al. 1986). Another study dosing rats with 250, 500, 750, or 1000 mg/kg/day on gestation days 6-15 resulted in similar findings at 500 mg/kg/day. Additionally, the number of skeletal variations increased at 750 and 1000 mg/kg/day (Ruddick et al. 1983).

Information on the acute toxicity of 1,4-dichlorobenzene in humans or animals following inhalation exposure was not available.

A husband (60 years old) and wife were exposed to supposedly high concentrations of 1,4-dichlorobenzene in their house for a period of 3 to 4 months. Clinical signs included severe headaches, diarrhea, numbness, clumsiness, burning sensation in the man's legs, slurred speech, weight loss (50 pounds in 3 months for the man), and jaundice; both individuals died. The woman died within a year of the initial exposure, and the man died within a few months of his wife. Both had acute yellow atrophy of the liver (also known as massive hepatic necrosis or fulminant hepatitis). No additional information was provided regarding confounding factors (Cotter 1953).

A 69-year-old man exposed in his chair at home for approximately 3 weeks to 1,4-dichlorobenzene developed petechiae, purpura, and swelling of his hands and feet (Nalbandian and Pearce 1965). An indirect basophil degranulation test demonstrated a strong positive reaction suggesting a sensitivity to 1,4-dichlorobenzene. A 36-year-old woman using 1,4-dichlorobenzene as a moth killer in her home reported intense headaches. A 34-year-old woman who demonstrated the use of 1,4-dichlorobenzene in an enclosed booth in a department store complained of headaches, nausea, and vomiting (Cotter 1953).

Male rats, female guinea pigs, and one female rabbit exposed for 16 days to 173 ppm developed pulmonary interstitial edema and congestion and alveolar hemorrhage (Hollingsworth et al. 1956). After 12 weeks of exposure to 798 ppm, two rabbits displayed lung congestion and emphysema. Two rabbits, exposed for 12 weeks to 798 ppm, developed ocular effects described as reversible [nonspecific eye ground changes (changes in the fundus or back of the eye)]. Guinea pigs exposed to 341 ppm for a comparable duration exhibited focal necrosis, slight cirrhosis, and hepatocyte swelling and degeneration. Rats exposed to 96-341 ppm intermittently for 5-7 months had cloudy swelling and degeneration of hepatic parenchymal cells in the central zone of the liver and increased liver weights in the male and/or females above 96 ppm. No changes were observed at 96 ppm. Kidney weights in the male rats (not the females) increased slightly after 5-7 months of intermittent exposure to 158 or 341 ppm. These findings (Hollingsworth et al. 1956) must be viewed with the understanding that several inconsistent variables were employed in the study design, such as species, numbers, sex of the animals per species, observations on controls, and duration of exposure at each exposure level. During a two-generation study, adult rats exposed to 538 ppm (6 hours/day and 7 days/week for 10 weeks) exhibited tremors, ataxia, hyperactivity,

decreased grooming behavior, and an unkempt appearance (Tyl and Neeper-Bradley 1989).

For 12-15 years on a weekly basis, a 53-year-old woman had been inhaling 1,4-dichlorobenzene crystals that were scattered on the carpet and furniture (Weller and Crellin 1953). Pulmonary findings included lung parenchyma distorted by fibrosis, a thickening of the alveolar walls, and a marked infiltration of lymphocytes, mononuclear phagocytes, some thickening of the muscular walls of the small arteries, and focal fibrous thickening of the pleura. The authors attributed these findings to the physical interaction of the crystals with the lung tissue rather than chemical toxicity.

Carcinogenicity

In a 2-year study, female rats and male and female mice were gavaged with 300 or 600 mg/kg/day and male rats were gavaged with 150 or 300 mg/kg/day (NTP 1987). Renal tubular adenocarcinomas in the male rats were increased in a dose related manner (controls, 2%; low dose, 6%; high dose, 14%). A marginal increase in mononuclear cell leukemia was also observed in all dose groups (controls, 10%; low dose, 14%; high dose, 22%). The male and female mice in the 600 mg/kg/day group had increased incidences of hepatocellular carcinomas [(male - controls, 28%; low dose, 22.5%; high dose, 64%) (female - controls, 10%; low dose, 10.4%; high dose, 38%)]. Hepatocellular adenomas were also noted in male mice from the 300 and 600 mg/kg/day groups (controls, 10%; low dose, 26.2%; high dose, 32%) and in female mice from the 600 mg/kg/day group (controls, 20%; low dose, 12.5%; high dose, 42%).
Hepatoblastomas (a rare form of hepatocellular carcinoma) were observed in 4/50 males of the 600 mg/kg/day group. Male mice exhibited an increase in thyroid gland follicular cell hyperplasia, and the female mice had a marginal positive trend in the incidence of follicular cell adenomas of the thyroid gland. The male mice in the 600 mg/kg/day group had an increased incidence of adrenal pheochromocytomas. Adrenal gland medullary hyperplasia and focal hyperplasia of the adrenal gland capsule incidences were higher in the male mice. Renal tumors occurring in only male rats may have been the result of an $_{2\mu}$-globulin increase. In this NTP study, the liver tumor incidence in female controls was higher than the historical control numbers. Additionally, no mutagenicity in microbial or mammalian systems was demonstrated. In both the male and female gavaged mice, hepatocellular degeneration with resultant initiation of tissue repair was present. These findings resulted in a speculation by NTP (1987) that 1,4-dichlorobenzene was acting as a tumor promotor for liver tumors in male and female mice.

No evidence of carcinogenicity was observed in rats exposed to 500 ppm for 76 weeks (Riley et al. 1980). However, organ toxicity may not have been achieved suggesting that a maximum tolerated dose was not obtained. In addition, the exposure length was less-than-lifetime.

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1,1-DICHLOROETHENE

1,1-Dichloroethene ($C_2H_2Cl_2$, CAS Registry Number 75-35-4), also known as dichloroethylene or vinylidene chloride, is an organic solvent used in chemical manufacturing of plastics, flame-retardant fabrics, and as a precursor to other chemical syntheses.

The biomedical effects of dichloroethene may be manifest as a multitude of effects under varied exposure route, concentration, and duration scenarios. Evidence reviewed by the EPA for inclusion into the IRIS database leads to the Agency's suggestion that the liver is the most sensitive target organ for 1,1-dichloroethylene toxicity, and that of typical laboratory study organisms, the rat is the most sensitive model for toxic effects (EPA, 1999). In ATSDR's toxicological profile of dichloroethene, the agency identifies a variety of studies reporting hematological, hepatic, renal, and reproductive effects in laboratory animals chronically-exposed to dichloroethene (ATSDR, 1989). In these studies, NOAELS and LOAELs for laboratory animals are all at oral exposures of 10 ppm dichloroethene. Other adverse biomedical effects are reported for 1,1-dichloroethylene; for example, 1,1-dichloroethylene has been shown to be fetotoxic, but not teratogenic to rodents after exposure in drinking water or by inhalation (Short *et al.*, 1977; Murray *et al.*, 1979). However, the EPA emphasizes hepatotoxicity in the Agency's derivation of oral reference concentrations (EPA, 1999).

Toxicity values EPA has established an oral reference dose (RfD) of 0.009 mg 1,1-dichloroethene ingested per kilogram of body weight per day, based on hepatic lesions in a rat chronic oral bioassay (Quast *et al.*, 1983). This RfD is based upon a LOAEL of 50 ppm [9 mg kg^{-1} d^{-1}] adjusted by application of an aggregate uncertainty factor of 1000. The uncertainty factor accounts for inter- and intra-species extrapolations (10-fold each) and for extrapolation from a LOAEL to a NOEAL (10-fold) (EPA 1999).

The critical study used by EPA for 1,1-dichloroethene toxicity reference dose estimation was a 2-year study by Quast et al. (1983) exposing rats and a 97-day study exposing beagle dogs to 1,1-dichloroethene in drinking water (EPA 1999). For the rat study, 48 male and 48 female Sprague-Dawley rats (Spartan substrain) were administered 50, 100, or 200 ppm 1,1-dichloroethene in the drinking water, with concurrent control groups of 80 animals per sex. Daily intake was estimated as 7, 10, or 20 mg 1,1-dichloroethene per kg body weight per day for males and 9, 14, or 30 mg 1,1-dichloroethene per kg body weight per day for females. Hepatic lesions were the sole endpoint where statistically significant dose-related changes were observed. There were no treatment-related effects on mortality, body or organ weight, clinical chemistry, urinalysis, hematology, or numbers of tumors. Hepatic lesions were detected consistently in all 1,1-dichloroethene-exposed females; lesions were detected at statistically significant amounts only in the 200 ppm exposure group for males, but a non-significant increase was also observed in the 100 ppm exposure-group. The lesions generally consisted of minimal mid-zonal hepatocellular fatty change and hepatocellular swelling.

In the companion beagle dog study, 4 male and 4 female dogs per treatment group were administered 6.25, 12.5, or 25 mg 1,1-dichloroethene in gelatin capsules. This 97-day exposure had no measured adverse effects.

1,1-Dichloroethene has been shown to be fetotoxic, but not teratogenic to rodents after exposure by inhalation (Short *et al.*, 1977; Murray *et al.*, 1979). However, EPA emphasizes hepatotoxicity in the agency's derivation of an oral reference concentration (USEPA 2001). Chronic inhalation studies in laboratory rodents indicate a variety of respiratory, hematological, hepatic, and renal effects, including carcinogenesis, at LOAELs and NOAELs of ≥10 ppm exposures (ATSDR, 1989). EPA has calculated an oral RfD of 0.009 mg/kg-day (USEPA 2001).

Studies that utilize a dermal route of chronic exposure were not located by EPA or by ATSDR in their reviews of the toxicity of 1,1-dichloroethene (ATSDR, 1989; USEPA, 2001).

1,1-Dichloroethene is classified by EPA as a Group C (possible human) carcinogen (USEPA 2001). This conclusion is based on positive results from one study using one mouse strain following inhalation exposure, as well as the compound's mutagenic potential, the alkylating capacity of a metabolite, and the structural relatedness to the known human carcinogen, vinyl chloride. An epidemiological study (Ott *et al.*, 1976), which found no carcinogenic effect associated with 1,1-dichloroethene exposure, was considered as inadequate to reach a conclusion regarding human carcinogenicity because of inadequate statistical power. The supporting animal evidence is based primarily upon one inhalation study (of a total of 11 inhalation studies) in which 1,1-dichloroethene was found to be a complete carcinogen (Maltoni *et al.*, 1985), although none of the inhalation studies were conducted for a rodent lifetime (all were ≤12 months). Of eighteen animal studies reporting information about the carcinogenic potential of 1,1-dichloroethene, EPA judged most as not designed for maximum sensitivity to detect carcinogenic effects.

Dichloroethene did not act as a complete carcinogen when applied topically or subcutaneously to Ha:ICR mice, but did serve as an initiator when followed by phorbol myristate acetate treatment (Van Duuren *et al.*, 1979).

EPA has calculated an oral slope factor (a plausible upper-bound estimate of the probability of a carcinogenic response per unit intake of the chemical over a lifetime) of 0.6 $(mg/kg\text{-}d)^{-1}$. The slope factor calculation was based on four gavage studies and one drinking water study (Maltoni *et al.*, 1985; Quast *et al.*, 1983; Humiston *et al.*, 1978; NTP, 1982; Ponomarkov and Tomatis, 1980). The greatest slope factor (0.6 per mg/kg-d) was based on male rat adrenal tumors from the NTP (1982) bioassay. EPA acknowledges that there were not statistically significant increases in tumor incidence in this study, but uses this value nonetheless, since the derived slope factor is within a factor of 2 of the slope factor based on data from the inhalation study of Maltoni *et al.* (1977, 1985).

EPA has calculated an inhalation unit-risk concentration (risk per unit concentration of dichloroethene in the air) of 5.0×10^{-5} (:g/m^3)$^{-1}$. The critical study for this derivation was Maltoni *et al.* (1985), in which both sexes of Swiss mice were exposed to 10 and 25 ppm (MTD) for 4-5 days/week for 12 months. Male mice developed a statistically significant increase in kidney adenocarcinoma, female mice had significantly increased mammary carcinomas, and both sexes had increased incidence of pulmonary adenomas. The dose-response relationships, however, were not consistent. Similar confounding dose-response relationships were observed in a second study by the same author.

Dichloroethene is mutagenic in *Salmonella typhimurium* assays, when included with metabolic activating microsomal enzymes (USEPA 1993), has effected positive results in conventional and host-mediated assays of *Saccharomyces cerevisiae* mitotic gene conversion (Bronzetti *et al.*, 1981), and alkylates DNA *in vivo* (McKenna *et al.*, 1977; Reitz *et al.*, 1980). Dichloroethene was not mutagenic in V79 cells exposed to vapor *in vitro* (Drevon and Kuroki, 1979), did not produce chromosomal aberrations in bone marrow cells of ICR mice given single or repeated intraperitoneal treatment *in vivo* (Cerna and Kypenova, 1977), and did not induce dominant lethal mutations in mice (Anderson *et al.*, 1977) or rats (Short *et al.*, 1977).

Dichloroethene is rapidly and almost completely absorbed via ingestion or inhalation, but because of its limited solubility, dichloroethene is not stored in body tissues (Haley and Berndt, 1987). Dichloroethene widely distributes to body tissues, and causes hepatic midzonal necrosis, damaged parenchyma, and thrombosis, but no fatty infiltration (Haley and Berndt, 1987). Dichloroethene seemingly accumulates preferentially in the kidney, liver, and lung (ATSDR, 1989). Elimination of dichloroethene and metabolites is similar, whether exposure was by oral or inhalation routes; elimination is rapid, with the bulk of absorbed dichloroethene being eliminated as urinary metabolites, and very little (<1% of the administered dose of the parent compound) is eliminated unchanged in the expired air at low levels of exposure (McKenna *et al.*, 1978).

Metabolism of dichloroethene has not been studied in humans, but has been widely investigated in laboratory rodents (summarized in ATSDR, 1989). Results from these studies indicate that dichlorethene undergoes biotransformations to a variety of metabolites, the first of which is probably the formation of dichloroethene epoxide. The primary biotransformation pathways for dichlorethene in the rats are suggested to involve conjugation with glutathione (with either the dichloroethene epoxide or following molecular rearrangement of the epoxide to chloroacetylchloride) and subsequent hydrolysis to monochloroacetic acid. Physiologically-based pharmacokinetic modeling has indicated that dichloroethene metabolism is sensitive to the absorption rate, because of the parent compound's low blood:air partitioning coefficient and because metabolism of dichloroethene is a saturable phenomena ((D'Souza and Anderson, 1988). Additionally, metabolism variability between rats and mice seems largely a product of differing rates of similar metabolic pathways (Jones and Hathway, 1978).

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1,2-DICHLOROETHENE MIXED ISOMERS

cis-1,2-Dichloroethene, or *cis*-1,2-DCE ($C_2H_2Cl_2$, CAS Registry No. 156-59-2), is a colorless, volatile liquid with a slightly acrid, ether-like odor. *trans*-1,2-DCE ($C_2H_2Cl_2$, CAS Registry No. 156-60-5) is also a light, colorless liquid with a sweetish odor. In commerce, the two isomers are often found combined as mixed 1,2-DCE, which is used in perfumes, dyes, gums and waxes, oils, lacquers, thermoplastics, phenols, and camphor as a direct solvent; as an intermediate for chlorinated compounds; and as a fermentation-retarding agent. Mixed 1,2-DCE has been used in the extraction process for caffeine, fat, and natural rubber; as a dry-cleaning solvent; in food packaging adhesives and germicidal fumigants; and as a veterinary and human anesthetic (ACGIH 1991-1992).

EPA has established an RfD of 0.01 mg/kg-day. EPA has not established an RfC for 1,2-DCE, and has given it the carcinogenicity classification D (not classifiable as to human carcinogenicity (USEPA 2001), based on a lack of human and animal data and generally negative results in mutagenicity tests.

The greater part of 1,2-DCE is excreted directly from the lungs after inhalation. Once absorbed, the remainder distributes rapidly to tissues based on their lipid content and individual tissue/blood partition coefficients, with highest concentrations appearing in the fat, brain, and blood. Peak blood levels occur soon after inhalation exposure ceases (Sullivan and Krieger 1992). In rats, both isomers (*cis*- and *trans*-) are transformed to the same metabolites, dichloroacetic acid and dichloroethanol (Anonymous 1984).

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DIELDRIN

Dieldrin (CAS No. 60-57-1) was commonly used as an insecticide. Pure dieldrin is a white powder. Dieldrin can slowly evaporate in the air (ATSDR 1993). Dieldrin is no longer used. From the 1950s until 1970, dieldrin was used extensively as insecticides on crops such as corn and cotton. The U.S. Department of Agriculture canceled all uses of dieldrin in 1970. In 1972, however, EPA approved dieldrin for killing termites. Use of aldrin and dieldrin to control termites continued until 1987. In 1987, the manufacturer voluntarily canceled the registration for use in controlling termites (ATSDR 1993).

Systemic Toxicity

Exposure to very high levels of dieldrin for a short time causes convulsions or kidney damage. One very young child died from drinking a solution containing a very high level of dieldrin. Exposure for a long time to somewhat lower levels of dieldrin also causes convulsions. Exposure to moderate levels of dieldrin for a long time also causes headaches, dizziness, irritability, vomiting, or uncontrollable muscle movements.

Animal studies show effects of dieldrin on the nervous system and on the kidneys similar to those seen in people. Results from animal studies also show additional effects. Animal studies show that dieldrin cause increases in liver enzymes and liver weight. Studies in animals give conflicting information about whether dieldrin causes birth defects. Some studies show that dieldrin may damage sperm. Studies in animals show that mice that eat dieldrin develop liver tumors.

Carcinogenicity

Dieldrin is classified with an EPA weight of evidence B2. Dieldrin is carcinogenic in mice when administered orally. In addition, dieldrin is structurally related to aldrin, chlordane, heptachlor, heptachlor epoxide, and chlorendic acid, which produce tumors in rodents (USEPA 2001). At different dose levels the effects range from benign liver tumors, to hepatocarcinomas with transplantation confirmation, to pulmonary metastases.

Dieldrin causes chromosomal aberrations in mouse cells (Markaryan, 1966; Majumdar et al., 1976) and in human lymphoblastoid cells (Trepanier et al., 1977), forward mutation in Chinese hamster V79 cells (Ahmed et al., 1977), and unscheduled DNA synthesis in rat (Probst et al., 1981) and human cells (Rocchi et al., 1980).

Toxicity Values

EPA has established an oral and inhalation RfD for dieldrin of 0.00005 mg/kg-day (USEPA 2001), based on liver lesions in rats in a chronic study (Walker 1969). An uncertainty factor of 100 was incorporated in the calculations (10 for species extrapolation, and 10 for human sensitivity variations) (USEPA 2001).

EPA has established an oral and inhalation cancer slope factor for dieldrin of 16 per mg/kg/day (USEPA 2001), based on liver carcinoma in mice.

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alpha-BENZENEHEXACHLORIDE (*alpha*-HCH)

alpha-Benzenehexachloride, or *alpha*-hexachlorocyclohexane ($C_6H_6Cl_6$, CAS Registry No. 319-84-6) and the seven other isomers of BHC are separated by fractional crystallization from organic solvents. Formerly used as an insecticide, technical BHC (which contained several of the isomers) is no longer produced in the U.S., and only the *gamma* isomer (lindane) is allowed in commercial use here as a dust, powder, liquid, or concentrate for insecticides, and as an ingredient in lotions, creams, or shampoos to control head lice and scabies. Isomers of BHC have been found in the soil and water at hazardous waste sites, with the *gamma* isomer persisting in air for up to 17 weeks. Decomposition products include carbon monoxide and hydrochloric acid (HSDB, 1999).

Plant foods can be contaminated with BHC isomers that enter the body when eaten, or BHC can be inhaled from the air. The isomers and their byproducts can be temporarily stored in body fat and are excreted in the urine, feces, and exhaled air. Two harmful metabolites are pentachlorophenol and chlorinated hydrocarbon epoxide. In the past, pesticide manufacturing workers breathing toxic amounts of *delta*-BHC have experienced headaches, dizziness, blood disorders, and possible changes in the levels of sex hormones in the blood. Repeated high exposures can lead to seizures. All BHC isomers produce liver and kidney effects.

delta-BHC fed to male DD mice and Wistar rats at concentrations of 100-1000 ppm for 24 weeks did not produce noticeable neoplastic or nonneoplastic effects in the livers of a small number of animals (Ito et al., 1973a,b, 1975; Nagasaki et al., 1972). On the other hand, a 600-ppm mixture of *delta*- and *epsilon*-BHC in the diet of ICR-JCL mice for 26 weeks produced an increased incidence of benign and malignant hepatomas (Goto et al., 1972).

Toxicity Values

EPA has not established oral or inhalation RfDs for *alpha*-BHC. Although human cancer data is inadequate, *alpha*-BHC in the diet has caused increased incidences of tumors in 5 strains of mice and in Wistar rats (Ito et al., 1973a,b, 1976; Nagasaki et al., 1972, 1975; Hanada et al., 1973; Goto et al., 1972; Schulte-Hermann and Parzefall, 1981). EPA's cancer classification for alpha-BHC is thus B2 (probable human carcinogen). An oral slope factor of 6.3 $(mg/kg\text{-}d)^{-1}$ has been calculated. EPA has also established an inhalation unit risk of 1.8E-3 per ($\mu g/m^3$) based on the oral data for *alpha*-BHC.

The Department of Health and Human Services has also determined that BHC may be reasonably anticipated to cause cancer in humans (ATSDR 1997), and IARC ranks it as a 2B (possible human carcinogen) (ATSDR 1997).

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HEPTACHLOR EPOXIDE

Heptachlor epoxide ($C_{10}H_5Cl_7O$, CAS Registry No. 1024-57-3) is a natural degradation product of heptachlor, and is also the primary metabolite of heptachlor. Other metabolites of heptachlor epoxide have been observed, but it has a relatively long half-life.

Carcinogenicity

Heptachlor epoxide have been given the carcinogenicity weight-of-evidence classification of B2 (probable human carcinogen) in the absence of conclusive human data (USEPA 2001).

Systemic Toxicity

Chronic oral exposure to heptachlor epoxide affects the liver, with heptachlor also affecting renal and neurological systems. Liver effects have included alterations in liver weights with minimal pathological influences on tissues. Kidney effects were altered weights, and an increase in blood urea (this may indicate kidney inefficiency in protein clearance). Neurological long-term effects may include tremors, muscle spasms, convulsions. Heptachlor epoxide was negative in the dominant lethal test in rodents after oral ingestion.

Minimal information on long-term effects after inhalation was available. Most inhalation studies were of acute occupational exposures and affected the same target organs as oral exposures.

No chronic studies of dermal exposure to heptachlor epoxide were located.

Toxicokinetics

Heptachlor epoxide is absorbed in the intestine, and tends to bioaccumulate primarily in tissues with high fat content, then in liver, kidney, and brain (HSDB 2000)..

Toxicity Values

The oral RfD for heptachlor epoxide is 0.000013 mg/kg/day (USEPA 2001), based on increased liver-to-body-weight ratios in both male and female dogs in a 14-month study (Dow Chemical 1958). An uncertainty factor of 1000 allows for intra- and interspecies differences and the failure to demonstrate a NOEL (USEPA 2001). No inhalation RfC has been calculated for either compound (USEPA 2001).

The oral cancer slope factor for heptachlor epoxide is 9.1 per (mg/kg)/day, based on the geometric mean of four slope factors from studies producing hepatocellular carcinomas in two strains of mice. Davis (1965) fed the compound in the diet for 2 years and Velsicol (1973) for 18 months, respectively, and data were reinterpreted by Reuber

(1977) (USEPA 2001). An early two-year study in CFN rats (Witherup 1959) provides supporting evidence that, although rats were less sensitive than the mice, female rats demonstrated a statistically significant increase in hepatic carcinomas.

EPA has calculated an inhalation unit risk value of 0.0013 per ($\mu g/m^3$) for heptachlor and 0.0026 per ($\mu g/m^3$) for heptachlor epoxide from the oral data, using standard conversion factors for route-to-route extrapolation (USEPA 2001).

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INDENO(1,2,3-C,D)PYRENE

Studies investigating the subchronic or chronic systemic toxicity of indeno(1,2,3-cd)pyrene by skin contact, ingestion, or inhalation have not been conducted (ATSDR, 1995).

Indeno(1,2,3-c,d)pyrene induced skin tumors following intermediate or long-term dermal exposure.

Toxicity values

No toxicity values for health effects other than cancer have been derived for indeno(1,2,3-c,d)pyrene.

Insufficient data are available to derive a SF for indeno(1,2,3-c,d)pyrene. Based on USEPA Region IV guidance (USEPA 1996), the oral SF for benzo(a)pyrene was used as a surrogate. The oral SF is multiplied by 0.1 to obtain a SF of 7.3×10^{-1} $(mg/kg\text{-}day)^{-1}$ for indeno (1,2,3-c,d)pyrene.

USEPA (1989) guidance recommends against deriving a dermal SF from oral data for the carcinogenic PAHs.

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IRON

Iron (Fe, CAS registry number 7439-89-6) is the fourth most abundant element in the earth's crust and the second most abundant metal. It comprises approximately 5 percent of the continental crust. Its concentration in ground water ranges from 0.5 mg/L to 10 mg/L; its concentration in soil is between 0.7 and 4.2 percent (NRC 1979). In the late 1970s, world production of iron was over 500 million metric tons, with the U.S. producing roughly 20 percent of the world total (NRC 1979). Since iron is an essential nutrient, some amount of iron is needed in the diet.

Iron has not been reported to be mutagenic (NRC 1979). It has not been classified with respect to carcinogenicity, given the paucity of animal cancer bioassays and human cancer studies. Iron overload may be associated with carcinoma of the liver; however the data are poor and inconclusive (NRC 1979).

The acute effects of iron toxicity in humans are well characterized and consist of gastrointestinal, cardiovascular, metabolic, neurological and hepatic alterations (Bothwell et al. 1979; Banner and Tong 1986; Engle et al. 1987; and Mann et al. 1989, all as cited in EPA 1993). Acute effects are based mostly on observations of children who accidentally ingest therapeutic iron supplements; they are rarely, if ever, associated with ingestion of naturally occurring or other commercially produced substances (NRC 1979). Gastrointestinal toxicity is characterized by vomiting, diarrhea, and abdominal pain, caused by the direct caustic effect of iron on the mucosa of the stomach and small intestine. Gastrointestinal toxicity can progress to gastric/intestinal hemorrhage and/or necrosis and, in rare cases, to stenosis in the stomach outlet and small intestine. Cardiovascular iron toxicity is marked by severe hemodynamic alterations and can lead to shock and cardiac failure; neurological toxicity ranges from lethargy to coma. Although a rare occurrence, hepatic toxicity from iron can range from cloudy swelling of hepatocytes to necrosis. The average human lethal dose is 200B250 mg/kg body weight (NRC 1979). Thus, the average adult male would have to ingest 14 grams of elemental iron for it to be lethal; the average 2 year old, 3 grams (NRC 1979).

Chronic iron toxicity has been noted in individuals with various genetic and/or metabolic disorders, including hemochromatosis (massive iron overload together with cirrhosis and/or other tissue damage due to iron), thalassemia, and sideroblastic anemia, as well as in individuals who receive frequent blood transfusions (Jacobs 1977, and Bothwell et al. 1979, both as cited in EPA 1993). Excessive intake of iron attributed to consumption of home-brewed Kaffir beer has resulted in chronic hemochromatosis among the South African Bantu population (NRC 1979; and Bothwell and Bradlow 1960; and Bothwell et al. 1964, both as cited in EPA 1993). Pathologic findings associated with hemochromatosis include: 1) fibrosis in heavily siderotic organs, particularly the liver, 2) cirrhosis, 3) testicular atrophy, and 4) osteoporosis (NRC 1979).

Though chronic iron toxicity can occur in individuals with genetic/metabolic disorders, it is debatable whether a chronic overload via ingestion is possible in individuals with a normal ability to control iron absorption. Using values obtained from the second

National Health and Nutrition Examination Survey (NHANES II), Looker et al. (1988, as cited in EPA 1993) compared dietary iron intake with biochemical indices of iron status. NHANES II consisted of a 1976B1980 sample of the U.S. population aged 6 months to 74 years. Observed intake levels of 0.15B0.27 mg/kg-day iron were found to be both great enough to prevent iron deficiency and insufficient to cause the toxic effects of iron overload (Elinder 1986; Cook 1991; Hillman and Finch 1985, all as cited in EPA 1993). Lauffer (1991, as cited in EPA 1993) and Sullivan (1992, as cited in EPA 1993) suggest that iron overload elevates the risk of acute myocardial infarction by promoting oxidation of low density lipoprotein (LDL). A 1992 Finnish study of 1,931 randomly selected men aged 42B60 years by Salonen et al. lends support to this theory in that it found that high serum ferritin concentration and high dietary iron intake were risk factors for myocardial infarction.

Animal studies attempting to model hemochromatosis have been mostly negative, as have animal studies involving parenteral administration of iron (Bothwell et al. 1979, as cited in EPA 1993; and NRC 1979).

Ingestion of iron supplements during pregnancy has not been correlated to adverse developmental effects in humans, although some women ingesting large quantities of iron (>1.2 gram) during pregnancy experienced nausea, vomiting, hematoemesis, abdominal pain, and/or diarrhea (NAS 1989, as cited in EPA 1993). No teratogenic effects have been associated with iron (NRC 1979).

No treatment-related teratogenic or embryotoxic effects were observed in rats given 2.7 mg/kg-day iron on gestation days 6-15 or rats/mice given 24-76 mg/kg-day iron for 6 days (Nolen et al. 1972; Tadokoro et al. 1979, as cited in EPA 1993).

This essential nutrient is found primarily in the form of hemoglobin in the body. The concentration of iron in the body at any given point is regulated largely through changes in the amount of iron absorbed by the gastrointestinal mucosa. The following factors influence the absorption of iron: 1) body stores, 2) the amount and nature of iron in ingested food, and 3) dietary factors that may increase or decrease the availability of iron for absorption (NRC 1979). Although the body is generally effective in regulating iron levels, it is incapable of excreting large amounts of iron following excessive accumulation resulting from acute or chronic ingestion of high levels of iron (NAS 1989, as cited in EPA 1993).

Toxicity values

Using values obtained from the second National Health and Nutrition Examination Survey (NHANES II), Looker et al. (1988, as cited in EPA 1993) compared dietary iron intake with biochemical indices of iron status. NHANES II consisted of a 1976-1980 sample of the U.S. population aged 6 months to 74 years. Observed intake levels of 0.15-0.27 mg/kg-day iron were found to be both great enough to prevent iron deficiency and insufficient to cause the toxic effects of iron overload (Elinder 1986; Cook 1991; and Hillman and Finch 1985, as cited in EPA 1993). EPA (1993) has proposed a provisional

chronic oral RfD of 0.3 mg/kg-day based on a NOAEL of 0.27 mg/kg-day (i.e., the upper-bound value in the range of mean dietary iron intakes from the NHANES II data base) and an uncertainty factor of 1. An uncertainty factor of 1 was used since: 1) iron is an essential nutrient, 2) the NHANES II data base comprised a relatively large sample size, and 3) humans exert an efficient homeostatic control over iron such that body burdens are kept constant with variations in diet. EPA's confidence in the critical study is high, while confidence in the data base is medium, resulting in medium confidence in the RfD. EPA (1993) suggests that the RfD may not be protective of people with inherited disorders of iron metabolism. In addition, EPA states that the RfD could be conservative if applied to exposure scenarios involving forms of iron with low bioavailability. The NCEA has established a provisional chronic RfD of 0.3 (mg/kg/day) (USEPA 1996, 1998). Iron has not been classified with respect to carcinogenicity. Slope factors are not available for iron.

The TLV-TWA for iron salts is 1 mg/m^3 (ACGIH 1995).

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LEAD

Lead (Pb; CAS Registry No. 7439-92-1) and lead compounds are present in the environment both naturally and as a result of anthropogenic activities. Lead compounds have many industrial applications, such as in the plates of electric batteries and accumulators; as compounding agents in rubber manufacturing; as ingredients in paints, glazes, glass, and pigments; and in the chemical industry. Exposures to lead dust may occur during the manufacture of these product, or during mining, smelting, and refining; and exposures to lead fumes may occur during such high-temperature operations as welding or spray-coating of metals with molten lead, or through waste incineration. Lead may occur naturally in drinking water and unnaturally in water delivered through lead pipes to residents of older homes in soft-water areas. Inadequately glazed earthenware or china may contain lead that leaches out on contact with heated or acidic foods. It occurs in the house dust of older homes that were once painted with lead paint. The level of exposure resulting from contact is highly variable. Children with pica for paint chips or for soil may have elevated blood lead levels ranging from marginal to high enough to cause clinical illness (HSDB 2000).

The majority of the toxic effects of lead have been observed in humans. Effects of lead on humans are typically discussed in terms of their correlating absorbed internal body dose, expressed as a blood lead level (ug/dL). In many instances, internal doses are actually the result of multiple routes of exposure.

Cancer

Lead at very high doses has been shown to cause some tumors in animals (Azar *et al.* 1973; Koller *et al.* 1985; Van Esch and Kroes 1969). However, epidemiology studies, despite large exposures among workers, have failed to indicate that lead may cause cancer in humans (Kang *et al.* 1980; Cooper *et al.* 1985; Selevan *et al.* 1985; Baker *et al.* 1980). EPA has classified lead as a Category B2 carcinogen, due to sufficient evidence from animal bioassays (renal tumors in rats ingesting lead for a lifetime) but inadequate evidence in humans (USEPA 2001). The data are considered inadequate to develop a slope factor for lead. Lead appears to be more potent as a systemic toxicant to the hemopoietic and neurologic systems than as a cancer-causing agent.

Mutagenicity

According to EPA, "Lead acetate induces cell transformation in Syrian hamster embryo cells (DiPaolo et al. 1978) and also enhances the incidence of simian adenovirus induction. Lead oxide showed similar enhanced adenovirus induction (Casto et al. 1979). Under certain conditions lead compounds are capable of inducing chromosomal aberrations in vivo and in tissue cultures. Grandjean et al. (1983) showed a relationship between SCE and lead exposure in exposed workers. Lead has been shown, in a number of DNA structure and function assays, to affect the molecular processes associated with the regulation of gene expression (USEPA 1986)" (USEPA 2001).

Systemic Toxicity

The predominant systems affected by chronic lead inhalation or ingestion by humans are the hematologic, neurologic, cardiovascular, and renal systems (ATSDR 1993). The basis for lead toxicity is its ability to bind to ligating groups in physiologically critical biomolecules, which may then disrupt their function by competing with essential metal ions for binding sites, inhibiting enzyme activity, and altering ion transport (Calabrese and Kenyon 1991). Toxic hematologic effects include inhibition of several enzymes involved in heme synthesis, with resultant depression of hemoglobin synthesis and anemia. The primary cardiovascular effect is elevation of blood pressure, a dose-dependent effect that also lacks any apparent threshold (Harlan 1988). Neurologic effects typically manifest themselves as neurobehavioral effects and alterations of the peripheral nervous system. Consequences can include weakness in the limbs (Zimmerman-Tansella et al. 1983), fatigue (Hänninen et al. 1979; Baker et al. 1979), loss of memory function (Hänninen et al., 1979), significant impairment in learning capacity (Wang et al. 1989; Rummo et al. 1979; Ernhart et al. 1981), limb tremors (Baker et al. 1979), and encephalopathy at higher blood levels (Rummo et al. 1979). High blood lead levels have also been correlated with nephropathy, gastrointestinal effects, and electrocardiographic abnormalities (ATSDR 1993).

Exposure to environmental lead levels which translate to relatively low blood lead levels has been shown to have adverse effects upon several physiological parameters. These include the alteration of several of the enzymes involved in the synthesis of the heme moiety, an essential component of substances like hemoglobin (the oxygen transporter in red blood cells), cytochromes P-450 (major xenobiotic detoxification mechanisms) and respiratory cytochromes (major source of metabolic energy reserves). In addition, neurologic effects upon behavior, memory, learning capacity, and emotion have been established. Increases in blood pressure in the middle-aged have also been observed. These effects manifest themselves at all measured blood lead levels, with no known threshold in humans. However, animal studies have been performed to evaluate the toxic endpoints of low level lead exposure, and doses at which there are no or minimal apparent effects have been achieved. The existence of neurologic impairments from serum levels of lead below 10 μg/dL is currently being debated in the scientific community. Because infants and young children appear to be particularly sensitive to the neurologic effects of lead, no threshold dose has been established for either oral or inhalation exposure.

Toxicokinetics

The absorption rate of deposited lead depends on various factors, particularly on the physicochemical form of lead in particles. No evidence of lead accumulation in the lungs exists (Friberg et al. 1986). About 90% of lead particles in ambient air that are deposited in the lungs are small enough to be retained and are absorbed through alveoli into the bloodstream. Larger particles are cleared from the repiratory tract and swallowed. (Doull et al. 1986).

Absorbed lead is transported by blood to various organs and tissues, particularly the liver and kidney. It is then gradually redistributed to form an exchangeable compartment between blood and soft tissues and a storage compartment in bone, teeth, and hair. In humans subjects with low lead exposure, about 90% of the total body burden is found in bone. Lead in bone builds up throughout life. In soft tissues it stabilizes early in adult life and may decrease with age. Lead circulating in the blood is mainly bound to erythrocytes where its concentration is about 16 times higher than in plasma. Lead also has an affinity for cell membranes and mitochondria, but not for lysosomes. (Friberg et al. 1986; Gilman et al. 1985).

Placental transfer of lead has been demonstrated. There is fairly good correlation between lead concentrations in the blood of mothers and newborn infants, and the distribution in fetal tissues is similar to the distribution in the adult (Friberg et al. 1986; Doull et al. 1986).

Metabolism

About 90% of ingested lead is unabsorbed and eliminated through feces. Absorbed lead is excreted primarily in urine (about 76%); about 16% is eliminated through gastrointestinal secretions, and less than 8% through hair, nails, and sweat. The rate of biliary excretion in man is not known. The mechanism of excretion appears to be essentially glomerular filtration. Lead is also excreted in human milk in concentrations up to 12 μg/L.

Lead excretion varies considerably among animal species. The main route of excretion is via the urine in baboons; but in rats and sheep, biliary and transmucosal excretion may be higher than urinary excretion (Friberg et al. 1986).

Toxicity Values

The derivation of a toxicity value for an allowable lifetime exposure hinges upon the concept of a threshold under which the critical toxic effect will not be manifested during the average person's lifetime and over which the critical effect, as well as additional toxic effects, may occur. However, certain toxic effects have been observed to occur at any measured blood levels of lead.

No lead toxicity values have been formally adopted by regulatory agencies. There are two major complicating factors in assigning a toxicity value to lead and predicting subsequent risks associated from exposure. These factors include the complex nature of the kinetic modeling of lead distribution within the human body, and the lack of a threshold level for certain adverse health effects. Inherent in reaching any conclusion with respect to the toxic effects of lead, or any compound, is a knowledge of the internal levels of exposure as well as the relationship between the exposure level and the critical or toxic endpoint. Once lead is internalized, it distributes among blood, soft tissue, and bone. The complication arises due to the fact that lead in bone, while remaining complexed there for very long time periods (decades), can be redistributed throughout the

body, thus giving additive exposures beyond the initial exposure. In this way, a cumulative toxic effect can occur, which may not have initially been expressed.

A blood lead level of 10 μg/dL has been identified as a level at which toxic effects in humans can be manifested (e.g., decreased intelligence, impaired neurobehavioral development, elevated blood pressure) (CDC 1991).

Currently, lead is not regulated as a carcinogen because it appears to be more potent as a toxicant to the hemopoietic system by inhibiting heme synthesis.

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MANGANESE

Manganese (Mn; CAS Registry No. 7439-96-5) is a pinkish gray, lustrous and brittle metal that is used in rock crushers and in the manufacture of ceramics, matches, glass, dyes, welding rods. It is a component of steel and metal alloys. (HSDB 2000).

Cancer

EPA considers manganese to be unclassifiable as a human carcinogen (Category D), based on an absence of human carcinogenicity data, inadequate evidence of carcinogenicity in animals, and inadequate genotoxicity data (USEPA 2001).

Mutagenicity

Few genotoxicity assays of manganese have been conducted. No studies were located regarding genotoxic effects in humans (ATSDR 1991). Treatment of male rats with manganese at repeated oral doses of 0.014 mg/kg-day manganese for 80 days did not produce any significant chromo-somal damage in bone marrow or sperm cells (Dikshith and Chandra 1978). Results of *in vitro* genotoxicity assays have been mixed. The available data indicate that manganese may have genotoxic potential, but they are not sufficient to evaluate the genotoxic risk of manganese to humans (ATSDR 1991).

Systemic Toxicity

Humans exert an efficient homeostatic control over manganese so that body burdens are kept constant with variations in diet. Manganese is an essential element, being required for normal human growth and maintenance of health. Children may be less susceptible to manganese intoxication and may require slightly higher levels of manganese than do adults (USEPA 2001).

The World Health Organization (WHO 1973) reviewed several investigations of adult diets and reported the average daily consumption of manganese to range from 2.0 to 8.8 mg/day. Higher manganese intakes are associated with diets high in whole-grain cereals, nuts, green leafy vegetables, and tea. Depending on individual diets, a normal intake may be well over 10 mg Mn/day, especially from a vegetarian diet. While the actual intake is higher, the bioavailability of manganese from a vegetarian diet is lower, thereby decreasing the actual absorbed dose. From manganese balance studies, the WHO concluded that 2-3 mg/day is adequate for adults and that 8-9 mg/day is "perfectly safe" (WHO 1973).

An epidemiologic study of manganese in drinking water was performed by Kondakis et al. (1989). Three areas in northwest Greece were chosen for this study, with manganese concentrations in natural well water of 3.6-14.6 ug/L in area A, 81.6-252.6 ug/L in area B, and 1,600-2,300 ug/L in area C. The total population of the 3 areas being studied ranged from 3,200 to 4,350 people. Although the amount of manganese in the diet was not reported, the authors indicated that most of the food was purchased from markets.

The individuals chosen were submitted to a neurologic examination, the score of which represents a composite of the presence and severity of 33 symptoms (e.g., weakness/fatigue, gait disturbances, tremors, dystonia). Whole blood and hair manganese concentrations were also determined. The authors indicate that the difference in mean scores for area C versus A was significantly increased for both sexes combined. In a subsequent analysis, logistic regression indicated that there is a significant difference between areas A and C, even when both age and sex are taken into account (Kondakis 1990). The NOAEL identified in this epidemiological study was 0.005 mg/kg-day (USEPA 2001).

The major toxic effects of inhaled manganese are primarily neurological. A syndrome called "manganism" has been observed only in workers exposed to chronic, high levels of manganese. It is characterized by preliminary general weakness, anorexia and muscle pain, with psychological signs such as apathy and dullness, as well as impotence. Advanced stages include difficulty in walking, muscle tremor, and behavioral disturbances. This syndrome has not been observed for low level, chronic or sporadic exposures, nor has it been observed in studies with animals (ATSDR 1991).

Roels et al. (1992) conducted a cross-sectional study of 92 male workers exposed to manganese dioxide (MnO_2) dust in a Belgian alkaline battery plant. A control group of 101 male workers was matched for age, height, weight, work schedule, coffee and alcohol consumption, and smoking; educational level was slightly higher in the control group. The manganese-exposed group had been exposed to MnO_2 for an average of 5.3 years (range: 0.2-17.7 years). The geometric means of the workers' TWA airborne manganese concentrations, as determined by personal sampler monitoring at the breathing zone, were 0.215 mg/m^3 for respirable dust and 0.948 mg/m^3 for total dust. The authors noted that the personal monitoring data were representative of the usual exposure of the workers because work practices had not changed during the last 15 years of the operation of the plant.

Geometric mean concentrations of blood manganese (MnB) (0.81 ug/dL) and urinary manganese (MnU) (0.84 ug/g creatinine) were significantly higher in the Mn-exposed group than in the control group, but on an individual basis no significant correlation was found between either MnB or MnU and various external exposure parameters. A self-administered questionnaire focused on occupational and medical history, neurological complaints, and respiratory symptoms. Responses to the questionnaire indicated no significant differences between groups in either respiratory or neurological symptoms, nor were spirometric, hormonal, or calcium metabolism measurements significantly different for the two groups (Roels et al 1992).

Of particular note, manganese workers performed worse than controls on several measures of neurobehavioral function. Visual reaction time was consistently and significantly slower in the manganese-exposed workers measured in four 2-minute periods, with more pronounced slowing over the total 8-minute period and significantly greater variability in reaction times for the exposed group. Abnormal values for mean reaction times (defined as greater than or equal to

the 95th percentile of the control group) also were significantly more prevalent in the exposed group during three of four 2-minute intervals of the 8-minute testing period. Five measures of eye-hand coordination (precision, percent precision, imprecision, percent imprecision, and uncertainty) reflected more erratic control of fine hand-forearm movement in the exposed group than in the controls, with mean scores on all five measures being highly significantly different for the two groups. There was also a significantly greater prevalence of abnormal values for these five measures in the manganese-exposed group. The hole tremormeter test of hand steadiness indicated a consistently greater amount of tremor in the exposed workers, with performance for two of the five hole sizes showing statistically significant impairment (Roels et al. 1992).

A LOAEL may be derived from the Roels et al. (1992) study by using the IRD concentration of MnO_2, expressed as mg/m^3 years (based on 8-hour TWA occupational exposures for various job classifications, multiplied by individual work histories in years). Dividing the geometric mean IRD concentration (0.793 mg/m^3 years) by the average duration of the workers' exposure to MnO_2 (5.3 years) yields a LOAEL of 0.15 mg/m^3. Adjusted for continuous exposure, the LOAEL is 0.05 mg/m^3.

Roels et al. (1987) conducted a cross-sectional study in 141 male workers exposed to MnO_2, manganese tetroxide (Mn_3O_4), and various manganese salts (sulfate, carbonate, and nitrate). A matched group of 104 male workers was selected as a control group. The two groups were matched for socioeconomic status and background environmental factors; in addition, both groups had comparable work-load and work-shift characteristics. Significant differences in mean scores between manganese-exposed and reference subjects were found for objective measures of visual reaction time, eye-hand coordination, hand steadiness, and audio-verbal short-term memory. The prevalence of abnormal scores on eye-hand coordination and hand steadiness tests showed a dose-response relationship with blood manganese levels; short-term memory scores were related to years of manganese exposure but not to blood manganese levels. The prevalence of subjective symptoms was greater in the exposed group than in controls for 20 of 25 items on the questionnaire, with four items being statistically significant: fatigue, tinnitus, trembling of fingers, and irritability. Based upon the findings of impaired neurobehavioral function in workers whose average Mn exposure was estimated by the geometric mean TWA of total airborne manganese dust at the time of the study, a LOAEL of 0.97 mg/m^3 was identified, which, when adjusted for continuous exposure, is equivalent to a LOAEL of 0.34 mg/m^3. This LOAEL is based on total manganese dust of mixed forms, whereas the LOAEL from Roels et al. (1992) study is based on the measured respirable dust fraction of MnO_2 only.

Minimal information regarding manganese and the dermal exposure route could be located. It is generally regarded that manganese uptake across intact skin is very limited, as is the case for most inorganic forms of metal ions (ATSDR 1991).

Toxicokinetics

Exposure to manganese mainly occurs via ingestion and inhalation. The extent to which manganese is absorbed across the intestine is approximated at 3-5 percent, and does not appear to be substantially influenced by the carrier medium (i.e., water versus food). Similar extents of absorption have been noted in animals as well, with typical amounts equal to 2.5-5.5 percent. Manganese distributes to various tissues following ingestion, and serves as a normal tissue constituent. Tissue levels may be somewhat higher in animal tissues than in their human tissue counterparts. Manganese which is inhaled, typically in particle form, is absorbed to some unknown extent across the lungs, and a certain percentage of inhaled manganese particles are subsequently swallowed and ingested as well (ATSDR 1991).

Metabolism

Manganese is not known to be metabolized or biotransformed, and behavior within the body would be essentially limited to absorption, distribution, potential sequestration, and excretion. The valence state of manganese is thought to undergo changes within the body (alterations in oxidation state), which may influence its ability to form complexes or serve as a co-factor for certain proteins (ATSDR 1991).

The information used to determine the RfD for manganese in food was taken from many large populations consuming normal diets over an extended period of time with no adverse health effects (WHO 1973; NRC 1989; Schroeder et al. 1966). A NOAEL of 0.14 mg/kg-day (corresponding to 10 mg/day for a 70 kg adult) is based on a composite of data from all three references.

Toxicity Values

The information used to determine the RfD for manganese in food was taken from many large populations consuming normal diets over an extended period of time with no adverse health effects (WHO 1973; NRC 1989; Schroeder et al. 1966). A NOAEL of 0.14 mg/kg-day (corresponding to 10 mg/day for a 70 kg adult) is based on a composite of data from all three references.

Two separate oral RfDs for manganese have been established by EPA: one based on ingestion of manganese in water and the other based on the ingestion of manganese in food (USEPA 2001). The information used to determine the RfD for manganese in food was taken from many large populations consuming normal diets over an extended period of time with no adverse health effects (WHO 1973; NRC 1989; Schroeder et al. 1966). A NOAEL of 0.14 mg/kg-day (corresponding to 10 mg/day for a 70 kg adult) is based on a composite of data from all three references. The Food and Nutrition Board of the National Research Council (NRC 1989) determined an "adequate and safe" intake of manganese to be 2-5 mg/day for adults. This level was chosen because it includes an "extra margin of safety" from the level of 10 mg/day, which the NRC considered to be safe for an occasional intake. An RfD of $5x10^{-3}$ mg/kg-day for manganese in water is equivalent to a drinking water standard of 0.2 mg/L and is based on human chronic ingestion data (Kondakis et al. 1989). The RfD for ingestion of food is $1.4x10^{-1}$

mg/kg-day and is also based on a NOAEL derived from human chronic ingestion data (NRC 1989; WHO 1973; Freeland-Graves et al. 1987). Because these RfDs are based on NOAELs identified in chronic human studies, no uncertainty factors were applied in calculating them (USEPA 2001). EPA has assigned these chronic RfDs as surrogates for use with subchronic exposures without adjustment (USEPA 1994). The water and food RfDs have been combined to provide the RfD used in this assessment of 0.024 mg/kg/day.

The inhalation RfC for manganese is based on a LOAEL of 0.05 mg/m^3 as determined by Roels et al. (1992) (USEPA 2001). An uncertainty factor of 1,000 reflects factors of 10 to protect sensitive individuals, 10 for use of a LOAEL, and 10 for database limitations reflecting both the less than chronic periods of exposure and the lack of developmental data, as well as potential but unquantified differences in the toxicity of different forms of manganese. Thus, the RfC is $5x10^{-5}$ mg/m^3, which is equivalent to an inhalation RfD of $1.4x10^{-5}$ mg/kg-day. No cancer slope factors can be calculated for manganese at this time because of a lack of data.

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NAPHTHALENE AND 2-METHYLNAPHTHALENE

Naphthalene ($C_{10}H_8$, CAS Registry No. 91-20-3) is a white crystalline solid that is sometimes powdered or flaked. It has the odor of moth balls and is used as an ingredient of some moth repellants and toilet bowl cleaners. It is also a combustion product of crude oil, gasoline, diesel fuel (and thus a constituent of vehicle emissions) and tobacco. Melted naphthalene is corrosive to some forms of plastics, rubber, and coatings (HSDB 2000).

2-Methylnaphthalene ($C_{11}H_{10}$, CAS Registry No. 91-57-6) is also a solid, primarily used in vitamin K production and as a chemical intermediate, a dye carrier, and a pesticide adjuvant. Its presence in many products insures that it is also released to the environment via landfills, waste incinerators, and manufacturing effluents. As a combustion product of crude oil, 2-methyl-naphthalene is released to the environment during natural fires, petroleum refining, coal tar distillation, and in vehicle emissions. Greatest exposures to both substances are likely to be occupational, at workplaces where the they are used or produced from coal tar (HSDB 2000).

Cancer

Naphthalene has been tested in studies capable of detecting the ability to cause cancer; however, all but one study showed no such evidence. In the 2-year NTP study of chronic toxicity and carcinogenicity (NTP 1992), a statistically elevated incidence of lung alveolar/bronchiolar adenomas at the high dose level was observed in female mice at the highest dose tested. This study provides weak, possibly questionable, evidence of carcinogenicity, because (a) only one sex showed the tumorigenic effect; (b) only one tumor type (benign) was observed; (c) no dose-response existed, since the tumors were present only in the group receiving the highest dose; and (d) the strain of mice used in the study typically exhibits high spontaneous rates of lung adenomas.

EPA has reclassified the potential carcinogenicity of naphthalene to Group C, based on inadequate human carcinogenicity data and limited evidence of carcinogenicity in animals via the inhalation route (USEPA 2001).

No studies have been conducted on the carcinogenicity of 2-methylnaphthalene in humans. Its carcinogenicity potential has not been classified by EPA (USEPA 2001).

Systemic Toxicity

Several studies have been reported on the subchronic and chronic toxicity of naphthalene. At high inhalation and oral doses, naphthalene can produce injury. Cataracts were diagnosed in 8 of 29 chemical plant workers occupationally exposed to high doses of naphthalene for 5 years (Ghetto and Mariani 1956). In addition, skin contact with naphthalene can result in irritation or severe dermatitis in sensitized humans (Manahan 1989). The only reported effects of 2-methyl-naphthalene are skin irritation and skin photosensitization (HSDB 1999).

Naphthalene ingestion has resulted in abdominal pain, nausea, vomiting, diarrhea, urine darkening, bladder irritation, jaundice, anemia, and hyperthermia (Gerarde 1960). Daily oral administration of 1 g/kg to rabbits produced degenerative changes in the lens of the eye; within 2 weeks the whole lens became cataractous (Potts 1986). A review of the literature on cataract formation in rodents and rabbits resulting from naphthalene administration demonstrates that metabolic pathways of naphthalene differ among strains of rats, mice, and rabbits, and only some strains are susceptible to cataract formation from naphthalene ingested at high doses (Van Heyningen and Pirie 1976). Hemolytic anemia was observed in dogs given oral doses of 3-9 g of naphthalene (Zuelzer and Apt 1949), and the effect was reversible within 50 days after cessation of exposure.

The inhalation of high acute doses of naphthalene by humans has caused headache, confusion, eye irritation, nausea, profuse perspiration with vomiting, optic neuritis, hematuria, and edema (Gerarde 1960). In a 2-year study (NTP 1992), chronic exposure of mice to naphthalene at airborne concentrations of 10 or 30 ppm resulted in chronic inflammation of the lung and nose, metaplasia of the olfactory epithelium, and hyperplasia of the respiratory epithelium. In this study, a statistically significant increase in lung adenomas occurred in females of the highest dose group compared to controls.

Toxicity Values

The oral RfD for naphthalene is 2×10^{-2} mg/kg-day (USEPA 2001), based on an unpublished subchronic study (Battelle 1980), in which rats were administered naphthalene by gavage five days/week for 13 weeks. A NOAEL of 100 mg/kg-day was identified, based on decreased mean body weights in males at the two highest doses tested. There were no changes in either food or water consumption. The NOAEL was converted to an equivalent daily dose of 72 mg/kg-day, and the chronic RfD was calculated using an uncertainty factor of 1,000 to account for intra- and inter-species variability and for the use of a subchronic study. Oral chronic and subchronic RfDs were used for inhalation RfDs without further adjustment. No reference doses have been determined for 2-methylnaphthalene (USEPA 2001).

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2,3,7,8-TETRACHLORODIBENZO-*p*-DIOXIN (DIOXIN, OR TCDD)

2,3,7,8-tetrachlorodibenzo-*p*-dioxin ($C_{12}H_4Cl_{14}O_2$; CAS Registry No. 1746-01-6) is a white to colorless crystalline solid that is ubiquitous in the environment.

Cancer

TCDD, or dioxin, is a probable human carcinogen (Group B2), based on observations of increased soft tissue sarcoma and lymphomas in populations exposed primarily via contact with herbicides contaminated with 2,3,7,8-TCDD (EPA 1997). ATSDR (1989) summarized the epidemiological data as providing limited evidence that exposure to phenoxyacetic acid herbicides and/or chlorophenols is causally related to the risks of soft tissue sarcoma, but none of the data sufficed to implicate 2,3,7,8-TCDD alone. Animal carcinogenicity studies were related to dermal exposure, and indicated skin tumors resulted from application to female Swiss mice. Mixed results were obtained regarding the promoter-like potential of dioxin.

Mutagenicity

Genotoxicity of dioxin has been reported as mixed results in both humans and animals. Humans exposed to chemicals contaminated with dioxin (herbicide production workers) were reported to have increased chromosomal aberrations in peripheral lymphocytes, while soldiers exposed to Agent Orange had no such increases. Animal studies seem to indicate that while there is evidence of genotoxic and mutagenic effects, more definitive, confirmatory studies are required (ATSDR 1989).

Systemic Toxicity

Effects following dioxin exposure via the oral route have been well-studied in animals, and to a lesser extent in humans. With a variety of relevant experimental durations (i.e., subchronic or chronic; from >14 days to >1 year), adverse effects from dioxin were expressed predominantly as decreased longevity, as well as reproductive, immunological, and hepatic effects (ATSDR 1989). In general, for exposures of 15 days to 1 year, most of the animal NOAELs for these effects occur at ingestion of dioxins ranging from approximately 0.001 (longevity and liver effects) to 0.01 g/kg/day (immunotoxicity), with no human NOAELS. Animal LOAELs ranged from 0.001 g/kg/day (reproductive, liver effects) to 0.01 g/kg/day (immunotoxicity), with no human LOAELs. For exposures of 1 year or longer, only an animal NOAEL of 0.001 g/kg/day for liver toxicity was observed, with no human NOAELs or LOAELs.

One study evaluated the response of nude mouse skin to subchronic application. Application of approximately 5 g/kg/day resulted in chloracne (facial and upper body skin lesions). This effect has been observed mostly in humans, although quantitative dose levels have not been determined. A human minimum toxic effect dose of 0.1 g/kg was estimated (using non-human primate data and applying human data extrapolated from ingestion of PCB- and DBF-contaminated rice oil to dioxin dose data).

Toxicokinetics

The absorption of dioxin is most dependent on the vehicle of administration, such as in an oil base or in the diet, and factors determined from animal studies. After oral ingestion in an oil vehicle, absorption ranges from 50 to 80 percent, while in the diet, it is between 50 and 60 percent. Dermal absorption was to a much more limited extent, although it was also highly affected by the vehicle. Dermal absorption in rats has ranged from 40 percent (in methanol) to less than 2 percent (a soil paste or activated carbon). Data were not available for inhalation absorption. Once absorbed, dioxin appears to be distributed through the body via the lymphatic system (in rats), and concentrates in liver and fatty tissue. The average half life of dioxin in humans was estimated at approximately 7 years, although half lives as long as 27 years were also estimated (ATSDR 1989).

Metabolism

The primary metabolic processes following dioxin exposure involve the attachment of hydroxyl groups onto the parent compound or the substitution of a hydroxyl group for a chlorine atom. Although dioxin is not rapidly metabolized, once metabolites form, they are eliminated fairly rapidly as conjugates with glucuronide and sulfates. Metabolites are thought to be less toxic than dioxin itself, and it has been suggested that the rates of metabolism, as well as the types of metabolites may account for differential effects observed in several species (ATSDR 1989).

Toxicity Values

No oral reference dose has been calculated for 2,3,7,8-TCDD or its isomers (EPA 1997, 1999).

EPA (1997) has proposed an oral SF of $1.5\ 10^{5}$ $(mg/kg\text{-}day)^{-1}$ for TCDD. An interim approach for extrapolating TCDD toxicity values for use with various isomers exhibiting fractional toxicities relative to 2,3,7,8-TCDD (i.e., use of toxicity equivalence factors) has been developed (EPA 1994). The critical study involved oral exposure of rats to dioxin in the diet for approximately 2 years, and yielded respiratory tumors and liver tumors (EPA 1997).

EPA (1997) has proposed an inhalation SF of $1.5\ 10^{5}$ $(mg/kg\text{-}day)^{-1}$ for TCDD. The toxicity equivalence factor approach has also been proposed for use with inhalation exposures. The critical study was the same as that used for the oral SF.

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THALLIUM

Thallium (Tl, CAS Registry Number 7440-28-0) is a metallic element used as a catalyst, in alloys, optical lenses, electronics, jewelry, thermometers, pigments, and in scintillation counters; historically, the element was also used as a depilatory, a rodenticide, and an insecticide (Hammond and Beliles, 1980). In nature, thallium is a trace compound in many minerals, such as potassium, copper, gold, zinc, cadmium, and rubidium. Man-made thallium pollution sources are gaseous emissions from cement factories, coal-burning power plants, and metal sewers, and wastewater from ore-processing plants.

Carcinogenicity

No studies were located by ATSDR (1990) during the Agency's review of the toxicological literature regarding the carcinogenic effects of thallium in humans or animals via inhalation, oral, or dermal exposure routes.

Mutagenicity

No studies were located by ATSDR (1990) regarding the genotoxic effects of thallium in humans. However, thallium was genotoxic in mammalian cell and bacterial test systems: thallium induced dominant lethal mutations in male rats in vivo (Zasukhina et al., 1983), damaged rat embryo DNA in vitro (Zasukhina et al., 1981, 1983), enhanced viral-induced transformations of Syrian hamster embryo cells (Casto et al., 1979), and caused damage to bacterial DNA (Kanematsu et al., 1980).

Systemic Toxicity

From its historical uses as a depilatory or in pesticide formulations, a variety of cases of thallium intoxication have been recorded. Thallium is highly toxic, and its acute toxicity is characterized by gastrointestinal irritation, acute ascending paralysis, and psychic disturbances (Hammond and Beliles, 1980).

Thallium poisoning by the oral route causes a whole roster of acute effects (including nausea, vomiting, metallic taste, anorexia, mouth dryness, soreness of the gums, rhinorrhea, conjunctivitis, diarrhea, abdominal pain, peripheral neuropathy, etc.) that are reportedly duplicated under chronic exposure scenarios, along with changes in blood chemistry, hair loss, and damage to liver, kidney, intestines, and testes (Haley and Berndt, 1987). In several subchronic studies with laboratory animals where quantitative exposure information was known, oral exposures to thallium were associated with mortality and systemic effects in the respiratory, cardiovascular, gastrointestinal, hepatic, renal, dermal, ocular, neurological, and reproductive systems; NOAELS typically occurred at oral doses of 0.2 mg/kg bw per day of thallium (ATSDR, 1990).

Few data exist concerning the inhalation toxicity of thallium to humans or animals, and no data concerning dermal exposures were located by ATSDR (1990) during the

Agency's review of the toxicological literature. The inhalation data are insufficient either to attribute or to rule out effects of thallium exposure.

Toxicokinetics

Toxicokinetic studies of thallium are largely absent. The element may be absorbed via the gastrointestinal tract, and limited evidence suggests that the absorption may be complete (Barclay et al., 1953; Lie et al., 1960). Absorption through the skin may also occur (Hammond and Beliles, 1980). The element appears to distribute throughout the body, with limited evidence suggesting preferential accumulation in the kidney (Downs et al., 1960; Manzo et al., 1983), and to a lesser extent in the intestines, thyroid, testes, pancreas, skin, bone and spleen (Hammond and Beliles, 1980). The element has an estimated biological half-time of 3.3 days (Lie et al., 1960), although EPA (1980) estimates an excretion half-time of 21.7 days. Elimination was 32 percent in the feces and 21 percent in the urine by 8 days after gavage dosing of rats with 10 mg thallium (as $TlSO_4$)/kg bw (Lehman and Favari, 1985).

Toxicity Values

EPA has calculated an oral RfD for thallium carbonate at 0.00008 mg/kg-d, based on a subchronic oral study in rats that demonstrated increased levels of SGOT and LDH. An uncertainty factor of 3000 was used to adjust for extrapolation from subchronic to chronic and from animals to humans (10 each), for human variability (10), and for the lack of reproductive/developmental data (3).

EPA has calculated no inhalation RfC. No cancer slope factors have been derived. The lack of carcinogenicity information puts thallium carbonate into cancer classification Group D (unclassifiable as to carcinogenicity) (USEPA 2001).

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1,1,2-TRICHLOROETHANE

1,1,2-Trichloroethane (CAS Reg. No. 79-00-5), also known as vinyl trichloride, is a nonflammable liquid. 1,1,2-trichloroethane is used in the manufacture of 1,1-dichloroethene and as a solvent for fats, waxes, resins, and alkaloids; and in organic synthesis (Budavari et al. 1989, USEPA 1980).

Toxicokinetics

1,1,2-Trichloroethane is extensively absorbed after inhalation exposure. 1,1,2-Trichloroethane is also rapidly absorbed through the skin, probably because of the highly lipid soluble character of the compound (Kronevi et al. 1977). 1,1,2-Trichloroethane is rapidly absorbed and distributed in organs and tissues, and extensively metabolized. Major metabolites include chloroacetic acid, S-carboxymethylcysteine, and thiodiacetic acid. 1,1,2-Trichloroethane and/or its metabolites are primarily excreted through the lungs and urine (Morgan et al. 1970, 1972; Kronevi et al. 1977; Mitoma et al. 1985).

Systemic Toxicity

1,1,2-trichloroethane is a central nervous system depressant inducing narcosis; death results from respiratory arrest (ACGIH 1991). In mice, a concentration of 3750 ppm for 30 minutes produced central nervous system depression and significantly increased liver enzyme activity within 18 minutes and death in half the animals within 10 hours (Gehring 1968).

Carcinogenicity

1,1,2-Trichloroethane was assigned to weight-of-evidence group C, possible human carcinogen. Based on hepatocellular carcinomas and adrenal pheochromocytomas in one strain of mice. Carcinogenicity was not shown in rats. 1,1,2-Trichloroethane is structurally related to 1,2-dichloroethane, a probable human carcinogen (Group B2). Groups of $B6C3F_1$ mice or Osborne-Mendel rats (50 animals/sex/dose) were treated by gavage (NCI 1978). No effects on tumor development were noted in rats. Treated mice had significantly ($p < 0.01$) increased incidences of hepatocellular carcinomas.

Toxicity Values

EPA has established an oral RfD of 0.004 mg/kg-day (USEPA 2001). An uncertainty factor of 1,000 was incorporated in the calculations (10 for interspecies variation, 10 for intrahuman variability, and a factor of 10 for extrapolation to lifetime exposure from an intermediate exposure duration) (USEPA 2001).

EPA has established an oral cancer slope factor of 0.057 per mg/kg-day (USEPA 2001), based upon heptocellular carcinoma in mice (NCI 1978). An inhalation cancer slope factor of 0.056 per mg/kg-day based upon the oral cancer slope factor (USEPA 2001).

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TRICHLOROETHENE

Trichloroethene (trichloroethylene, C_2HCl_3, CAS Registry No. 79-01-6) is a colorless, nonflammable liquid with a sweetish odor resembling that of chloroform. It reacts violently with nitric acid and strong alkalies. All commercial grades of trichloroethene contain stabilizers to prevent autooxidation to phosgene or carbon monoxide gases. Most of the U.S. production of trichloroethene is used in vapor degreasing of fabricated metals, in the manufacture of polyvinyl chloride plastics, as a heat-transfer medium, in adhesives and paint strippers, and as a carrier solvent in textile dying and finishing (ACGIH 1991-1994).

The rate of pulmonary uptake doubles with exercise. Organs affected by excessive exposure to trichloroethene are the central nervous system, liver, kidney, heart, lung, and skin. In human volunteers, 50% of the dose is metabolized to trichloroethanol, 30% to minor metabolites primarily in the urine, and 8.4% appeared in feces, sweat, and saliva by the third day. Mice metabolize two and three times more trichloroethene than rats, depending on dose; and there is also considerable variability among individual humans in trichloroethylene metabolism (ACGIH 1991-1994).

Workers exposed to trichloroethene complain of headache, abnormal fatigue, gastric disturbance, irritability, anxiety, ocular and upper respiratory tract irritation, and alcohol intolerance; although no changes in performance tests occurred in one study, significant reductions in complex reaction time, memory, and perception were manifested in another. No children with congenital defects were born to women occupationally exposed over a 13-year period (Tola et al. 1980). In six epidemiologic studies, no evidence has surfaced to suggest that occupational trichloroethene exposure increases the incidence of cancer in humans (Axelson et al. 1978; Novotna et al. 1979; Spirtas et al. 1991; Stewart et al. 1991; Paddle 1983; Shindell and Ulrich 1985).

Noncarcinogenic toxicity values have been withdrawn (USEPA 2001) therefore these risks have not been quantified. EPA NCEA has developed a cancer slope factor of 0.006 per mg/kg/day, which has been used.

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VINYL CHLORIDE

Vinyl chloride, or chloroethylene (C_2H_3Cl, CAS Registry No. 75-01-4), is a colorless gas or liquid with a sweet odor. In the presence of moisture, it corrodes iron and steel. Formerly used as a refrigerant, aerosol propellant, drug and cosmetic ingredient, and extraction solvent, vinyl chloride is currently used in the manufacture of numerous products in building and construction and the automotive industry (in electrical wiring insulation and cables, piping, floor tiles, and industrial and household equipment); it is used in medical supplies, and is depended upon heavily by the rubber, paper, plastics, and glass industries.

No information is available on the potential human health effects associated with subchronic or chronic oral exposure to vinyl chloride. However, several studies have focused on the potential toxic effects in laboratory animals following subchronic or chronic oral exposure. These studies have identified hematotoxicity and hepatotoxicity as potential toxicity endpoints in animals following oral exposure. Two- to 3-year feeding studies in rats have identified NOAELs for hematotoxicity (hypercoagulation) in the range of 1.7-5.6 mg/kg/day and LOAELs for hepatotoxicity (cellular alteration) in the range of 0.018-1.8 mg/kg/day (Til et al. 1983, Feron et al. 1981).

No information is available on the potential human health effects associated with subchronic inhalation exposure to vinyl chloride. However, a large number of studies involving work-place exposures have focused on health effects associated with chronic inhalation exposure. These studies have identified a wide range of potential toxicity endpoints in humans resulting from inhalation exposure, including hepatotoxicity, respiratory toxicity, hematotoxicity, immunotoxicity, cardiovascular toxicity, dermal toxicity, musculoskeletal toxicity, neurotoxicity, and reproductive toxicity. However, these studies are all compromised by a failure to accurately report the vinyl chloride levels that workers were exposed to.

Many of the findings obtained from the human studies described above have been supported by animal studies. Three- to 12-month studies involving rats and mice have identified LOAELs for hepatotoxicity (hepatocellular hypertrophy with compression of sinusoids, fatty degeneration, increased liver weight, increased lipid droplets in and hyperplasia of hepatocytes) in the range of 10-3000 ppm (Wisniewska-Knypl et al. 1980, Torkelson et al. 1961, Bi et al. 1985, Schaffner 1978, Hehir et al. 1981). NOAELs for respiratory toxicity have been identified through 2 to 5 month rat and mouse studies as lying between 50 and 500 ppm (Hehir et al. 1981). NOAELs for hematotoxicity between 200 and 1000 ppm have been identified through rat and mouse studies of 2 to 6 months (Torkelson et al. 1961, Sharma and Gehring 1979). A LOAEL for immunotoxicity (increased spontaneous lymphocyte proliferation) of 10 ppm was identified in a 2 month mouse study (Sharma and Gehring 1979). Separate 3 and 6 month rat studies have identified 10 ppm as a NOAEL and LOAEL, respectively, for cardiovascular toxicity (increased heart weight) (Bi et al. 1985).

Three- to 12-month rat studies have identified NOAELs for male reproductive toxicity (testicular necrosis, decreased spermatogenesis, reduced male fertility, decreased testicular weight) of 10 and 50 ppm (Sokal et al. 1980, Short et al. 1977, Bi et al. 1985).

Because vinyl chloride has a relatively low boiling point (-13.4 deg. C), dermal exposure under the majority of environmental conditions is not likely to be significant since volatilization will occur before significant dermal uptake takes place. Therefore, no studies of toxicity in either humans or animals following subchronic or chronic dermal exposure to vinyl chloride have been completed.

Vinyl chloride is classified by EPA as a known human carcinogen (Group A) (USEPA 2001). No human studies investigating a link between oral exposure to vinyl chloride and an excess incidence of cancer have been conducted. However, rat studies have identified cancer effect levels (CELs), or the dosing level at which significant increases in cancer rates over controls occur, for hepatic tumors in rats following oral exposure to vinyl chloride in the range of 1.7-1.8 mg/kg/day (Feron et al. 1981, Til et al. 1983).

Human epidemiological studies focusing on workers have identified a wide range of possible cancers linked to chronic inhalation of vinyl chloride including cancers of the liver, brain, lung, and blood. However, these studies all lack detailed exposure data. Inhalation rat, mouse, and hamster studies have identified CELs for hepatic tumors between of 1 and 500 ppm (Hong et al. 1981, Drew et al. 1983, Lee et al. 1978, Maltoni et al. 1981, Bi et al. 1985). Drew et al. (1983) identified a CEL of 50 ppm for peritoneal cancer in a mouse study. CELs between 50 and 100 ppm were identified for lung cancer through mouse studies (Adkins et al. 1986, Suzuki 1982, Drew et al. 1983, Lee et al. 1978). CELs for mammary gland cancer of between 5 and 50 ppm were identified through rat and mouse studies (Hong et al. 1981, Maltoni et al. 1981).

Toxicity Values

EPA has established a oral slope factor for vinyl chloride of 1.5 mg/kg/day based on a rat feeding study (Feron, Hendriksen, Speek et al. 1981) that identified an increased incidence of lung and liver tumors (HEAST, 1994).

EPA has established an unverified inhalation slope factor for vinyl chloride of 3.2×10^{-2} mg/kg/day based on an rat inhalation study (Maltoni 1981) that identified an increased incidence of liver tumors (HEAST, 1994).

USEPA (2001) has provided an oral RfD of 0.003 mg/kg/day based on a rat hepatic endpoint, which has been used in this risk assessment.

Both in vivo and in vitro genotoxicity assays have been conducted using vinyl chloride. In vivo studies have identified chromosomal aberrations in rats (Anderson and Richardson 1981), chromosomal aberrations in human lymphocyte (Hansteen et al 1978, Kucerova et al. 1979, Purchase et al. 1978, Ducatman et al. 1975, Anderson et al. 1980, Fucic et al. 1990, Funes-Cravioto et al. 1975, Hrivnak et al. 1990) sister chromatid

exchange in human lymphocytes (Kucerova et al. 1979), and DNA alkylation in rats and mice (Laib et al. 1989, Gwinner et al. 1983, Singer et al. 1987, Bolt et al. 1986, Ciroussel et al. 1990, Eberle et al. 1989, Osterman-Golkar et al. 1977, Walles et al. 1988, Green and Hathway 1978). In vitro assays have identified reverse mutation in Salmonella typhimurium (Rannug et al. 1974, Bartsch et al. 1975, 1976, Andrews et al. 1976, Simmon et al. 1977, Elmore et al. 1976, Poncelet et al. 1980, de Meester et al. 1980, Victorin and Stahlberg 1988, McCann et al. 1975, Rannug et al. 1976), reverse mutation in Escherichia coli (Jacobsen et al. 1989), forward mutation in Schizo saccharomyces pombe (Loprieno et al. 1977) and Chinese hamster ovary cells (Huberman et al. 1975), RNA alkylation in rat liver microsomes (Laib and Bolt 1977), and inhibition of DNA synthesis in QT6 (avian cells) (Kandala et al. 1990).

Human studies have demonstrated that 42% of vinyl chloride is retained when administered through inhalation (Krajewski et al. 1980). Animal study data supports the contention that vinyl chloride is rapidly absorbed following inhalation, however, animal data is not complete enough to allow a quantitative estimate of the amount retained. Animal data has shown that vinyl chloride levels in animal blood fall rapidly once exposure ceases (Withey 1976). No study data is available characterizing the rate of uptake for vinyl chloride in humans following oral exposure, however animal studies have shown that vinyl chloride when administered through this route, is readily absorbed (Withey 1976). Human studies investigating the rate of absorption following dermal exposure are not available and animal studies have shown that dermal uptake of vinyl chloride vapor (the state that vinyl chloride is most likely to be encountered in environmentally) is insignificant relative to other exposure routes (Hefner et al. 1975).

Following inhalation exposure, animal studies have shown that vinyl chloride is rapidly distributed to a large number of organ and tissue types throughout the body. However, vinyl chloride is not stored in these organs/tissues for extended periods because of its rapid metabolism and excretion (Buchter et al. 1977). Vinyl chloride is distributed to the following tissues/organs in rats 72 hours after inhalation exposure (in order of decreasing concentration): liver, kidney, skin, lung, muscle, carcass, plasma, fat (Watanabe et al. 1976). Placental transfer of vinyl chloride to fetal blood and amniotic fluid is rapid in rats (Ungvary et al. 1978). 72 hours after oral administration to rats, the highest concentrations of vinyl chloride were found in the liver with lesser concentrations found in the skin, plasma, muscle, lung, fat, and carcass (Watanabe et al. 1976).

One study was identified that examined the metabolism of vinyl chloride in humans following inhalation exposure. In this study, analysis of liver specimens showed electrophilic vinyl chloride metabolites resulting from cytochrome P-450 activity to be mutagenic to Salmonella typhimurium (Sabadie et al. 1980). Extensive experimentation using laboratory animals has focused on the metabolism of vinyl chloride following inhalation. These studies have demonstrated that vinyl chloride metabolism following inhalation exposure is a dose-dependent saturable process (Hefner et al. 1975) that probably involves primarily a mixed-function oxidase pathway (Bolt et al. 1977). Animal studies suggest that the metabolism of vinyl chloride following oral exposure is similar to that identified for inhalation exposure (ATSDR 1990). No animal or human

studies were identified that examined the metabolic properties for vinyl chloride following oral dermal exposure.

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Appendix S

Responses to Comments

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

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Third Floor
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LETTER OF TRANSMITTAL

TO:
Ed Boyle
NAVFAC, Engineering Field Activity NE
10 Industrial Hwy, MS #82 (Code 182/EB)
Lester, PA 19113-2090
(610) 595-0567 Ext. 175

DATE: 25 January 2002	JOB NO. 29600.97.3592
ATTENTION: Ed Boyle	
RE: Responses to Comments to Draft HHRA, SLERA, and Phase I RI Reports of IR Program Site 16, NCBC Davisville	
Contract No. N6247-92-D-1926, CTO 97	

WE ARE SENDING YOU [X] Attached [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications
[ ] Copy of letter [ ] Change order [ ] _____

COPIES	DATE	NO.	DESCRIPTION
3	January 2002		Responses to Comments to Draft HHRA (EPA's), SLERA (EPA's and RIDEM's), and Phase I RI (EPA's and RIDEM's) Reports of IR Program Site 16, NCBC Davisville

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval
[ ] For your use [ ] Approved as noted [ ] Submit _____ copies for distribution
[ ] As requested [ ] Returned for corrections [ ] Return _____ corrected prints
[X] For review and concurrence [ ]

[ ] **FOR BIDS DUE** _____19_____ [ ] PRINTS RETURNED AFTER LOAN TO US
REMARKS

Ed,
The enclosed copies of the referenced Responses to Comments to the NCBC Site 16 Draft Human Health Risk Assessment (EPA's comments), Screening Level Ecological Risk Assessment (EPA's and RIDEM's comments), and Phase I Remedial Investigation (EPA's and RIDEM's comments) Reports are submitted for your review and concurrence.
On behalf of the Navy we have also provided copies to the BCT for their review and concurrence.
Please provide all review comments by 26 February 2002.
Thank you,

COPY TO _____**See Below**_____ **SIGNED** _____
JIM SHULTZ, CTO MGR

D. Barney – NCBC CSO (1 copy), C. Williams – EPA (5 Copies), R. Gottlieb – RIDEM (2 copies),
H. Cohen – RIEDC (1 copy), S. Licardi – ToNK (1 copy), K. Campbell – CDW Consultants (2 copies),
K. Carr – USF&W (1 copy), K. Finkelstein – (NOAA (1 copy), L. Frasier – ATSDR (1 copy), A. Heffron – AET (1 copy),
J. Shultz - EA Boston (1 copy), R. Clark – EA Boston (1 copy), G. Snead – EA Loveton (I copy),
D. Mayhew – EA Loveton (1 copy), Project File – Boston (1 copy), K. Kilmer - PMO (1 copy),
B. Lesinski, PMO (w/o enclosure)

If enclosures are not as noted, kindly notify us at once

Responses to EPA's Comments to the Draft Human Health Risk Assessment, And EPA's And RIDEM's Comments to the Draft Screening Level Ecological Risk Assessment and Draft Phase I Remedial Investigation Report of IR Program Site 16

Naval Construction Battalion Center
North Kingstown, Rhode Island

Contract No. N62472-92-D-1296
Delivery Order No. 0097

Prepared for

Department of the Navy
Engineering Field Activity Northeast
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop No. 82
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January 2002
Version: FINAL
EA Project No.: 29600.97.3592

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Response to EPA's Comments to the Draft Phase I Remedial Investigation Report – Site 16

Response to RIDEM's Comments to the Draft Phase I Remedial Investigation Report – Site 16

RESPONSE TO COMMENTS FROM U.S. ENVIRONMENTAL PROTECTION AGENCY ON THE DRAFT HUMAN HEALTH SITE RISK ASSESSMENT – SITE 16 DECEMBER 2001

GENERAL COMMENTS

Comment 1: The raw analytical data used in the risk assessment were not provided in the Human Health Risk Assessment but were available in the RI. If the HHRA is to be a stand alone document the analytical data will need to be included in the document in order for the risk assessment to be complete.

Response— The HHRA references the raw analytical data in the RI. Repetition of this data in the HHRA was not included as a summary of the data was provided in the screening tables. However, per EPA request, the raw analytical data will be included as an appendix in the final HHRA.

Comment 2: It appears that the screening value for Phenanthrene is actually the benchmark for pyrene. Please confirm whether pyrene was used as a surrogate for phenanthrene.

Response— Pyrene was used as a surrogate for phenanthrene. A complete list of the surrogates will be added in footnote format to the screening tables.

Comment 3: Both cis-1,2-DCE and total 1,2-DCE are identified as COPCs. This would seem to "double count" the risks from cis-1,2-DCE except that total 1,2-DCE concentrations were sometimes lower than cis-1,2-DCE. Were two different analytical methods used to detect these compounds? Some explanation of the treatment of these compounds would be useful for interpreting the results presented.

Response— The analytical method used to determine the concentrations of cis-1,2-DCE and trans-1,2-DCE was EPA SW846 8260B. Total 1,2-DCE was determined based on a rounded summation of the cis and trans concentrations by the laboratory. Based on the detection in some samples of the cis isomer at greater concentrations than the total, both cis and total were assessed in the HHRA to be conservative.

The detection of the cis isomer in greater quantities than the total is rare but can occur with this method, which is the standard industry method. The discrepancy results in the validation treatment of low-detects and non-detects. Text

clarifying this method discrepancy and the conservative treatment of the data in the HHRA will be added to the uncertainty section.

Comment 4: The Navy used a background screen to screen out possible contaminants of concern at the initial stage of the HHRA. This is unacceptable to EPA. The Navy has been informed of the EPA's position in several previous correspondence the most recent being the Site 16 RI Workplan RTC letter dated: March 3, 2000, which I quote below:

"**EPA Comment #19** Under Section 6.1 of the Federal Facility Agreement (FFA) for the Naval Construction Battalion Center (NCBC), Davisville, RI the Navy agrees to "perform the tasks, obligations and responsibilities described in this Agreement in accordance with CERCLA, applicable CERCLA guidance and policy (emphasis added), the NCP..." At issue is whether EPA New England's Risk Updates are "applicable CERCLA guidance and policy." What constitutes a guidance or policy is quite broad. In an attached August 25, 1999 EPA memorandum, entitled *Distinguishing Guidance Documents from Interpretive and Legislative Rules,* a policy statement or guidance document is defined as an announcement of EPA's intended future course or areas for exploration with respect to how EPA will interpret or enforce a statutory or regulatory provision, which leaves EPA free to exercise administrative discretion in carrying out the policy1.

The Region's Risk Updates are published notices of CERCLA policy and provide guidance as to procedures and processes used by the Region's risk assessors. Each Update clearly states on its first page that it is "a periodic bulletin prepared by EPA Region 1 New England risk assessors to provide information on new regional guidance"(emphasis added). In particular, Risk Update #5 discusses the Region's updating its process for evaluating chemicals of potential concern (COPC) and clarifying the role of background data. The Risk Update is clear in stating that it is the Region's current policy that background levels (either naturally occurring or anthropogenic) may not be used to eliminate any COPC from the risk evaluation process. It explicitly states on page two (2) that this policy is intended as an update to "the guidance presented in the 8/95 region 1 Risk Update #3 Newsletter" (emphasis added). It is important that all COPC be retained to at least make a characterization of site risk. Once site risks are determined then the information may be used to

1 The memo discusses the difference between binding legal requirements (substantive rules) and non-binding guidance. As published, EPA New England's Risk Updates are non-binding. However, under section 6.1 of the FFA the Navy has agreed to make non-binding CERCLA policy and guidance binding upon its actions under the Agreement.

determine what risk management measures must be taken under CERCLA, (Navy may decide they want to provide an additional risk calculation to describe how much of the overall risk is due to background contamination which would required a rigorous statistical background study).
Since under Section 6.1 the Navy is obligated to act in accordance to applicable CERCLA guidance and policy, the Region's current risk assessment policies, as described within the Risk Updates need to be complied with (see also RTC for #15 where Navy quotes the Risk Update #2 and 5)."

Therefore, the Navy must change the HHRA to be in compliance with the FFA. EPA agrees that the RAGs part A allows chemicals to be dropped out due to low frequency of detection when sufficient samples have been collected. Therefore, the Navy must change the tables and text to indicate that the rationale for dropping arsenic in groundwater out of consideration as a COPC is due to low frequency of detection. EPA MAY agree with such a compromise, **IF tables 2-6 and 2-7 from the hydrogeologic evaluation can be reconciled with table 2-6 of the HHRA. Only 27 field samples are indicated as being taken during the RI, however, arsenic was detected in 2 of 42 groundwater samples used in the HHRA.** Where did the extra analytical information come from? As has been requested twice before, please provide the lab data sheets so that EPA can evaluate the lab data, (Appendix N: 1 copy to EPA and 1 copy to CDW).

Response— The screening methodology of the HHRA follows the final work plan (EA 2001). The Navy will continue to adhere to the Chief of Naval Operations (CNO) policy (CNO, 2000) regarding background. Consideration of detection frequency will be added to the screening assessment. The inadvertent typographical error (27 field samples) in Table 2-6 in the Draft Remedial Investigation Report for Site 16 will be corrected to indicate a total of 42 ground-water field samples, the number which was correctly used in the HHRA. Additional text regarding the low detection of arsenic in groundwater will be added to the HHRA text and arsenic will not be considered a COPC based on its low detection frequency and background.

Based on the Navy's discussions with EPA regarding copies of the laboratory reports that fill at least 10 boxes, EPA rescinded the request.

Comment 5: The risks associated with dermal exposure and incidental ingestion of seep sediment should be evaluated for the recreational receptor, and combined with the risks associated with incidental ingestion of seep water by the recreational receptor.

Response— The exposure pathways evaluated in the HHRA were taken from the final work plan (EA 2001).

Comment 6: **The existence of relatively high concentrations of vinyl chloride in one monitoring well** and the occurrence of shallow groundwater suggests that migration of volatile organic chemicals to indoor air from shallow groundwater may be a potentially significant future exposure pathway if buildings are constructed in the future. EPA recommends that this exposure pathway be evaluated using the Johnson and Ettinger model or equivalent, followed by risk assessment of the modeled indoor air concentrations.

Response— Data used in HHRA indicate that the only volatile concentrations detected in groundwater above screening limits were in the deep wells. Based on the depth of these samples and the lack of volatile compounds in the more shallow wells, the Navy feels the evaluation of migration of vapors from groundwater to indoor air is not necessary. Based on the referenced data, the pathway from ground water to indoor air is incomplete, and therefore, does not require quantitative evalutation.

Comment 7: The exposure point concentrations for groundwater were the 95% UCL or maximum for both the RME and CTE conditions (Table 3.6). Per EPA Region I guidance (Risk Update No. 2, page 2), the RME exposure point concentration for groundwater should be the maximum detected concentration of each contaminant in any well, or the highest average concentration of each contaminant across several rounds in the same well if there is more than one round of data. The CTE exposure point concentration for groundwater should be the average plume concentration.

Response— The determination of CTE and RME EPCs is presented in the HHRA as discussed in the final work plan (EA 2001).

SPECIFIC COMMENTS

Comment 8: <u>**Page ES-2**</u>. The last paragraph on the page indicates that the CTE lifetime cancer risk for the residential receptor's exposure to ground water is $6.1X10^{-5}$. Table 9.1, however, lists this value as $4.5X10^{-5}$. Please correct this apparent discrepancy.

Response— This discrepancy will be corrected.

Comment 9: **Page ES-2.** The last sentence on this page which is completed on page ES-3 does not indicate that the RME lifetime residential cancer risk due to TCDD-TEQ in soil exceeds $1X10^{-5}$ (Table 9.6). Please correct the text.

Response— The text will be corrected.

Comment 10: **Page 2-21, and 2-22, Sections 2.5.6.1 and 2.5.6.2. These sections summarize** the results of the IEUBK lead model runs for the residential child and the recreational child. The summaries correctly note that the proportion of children with blood lead levels in excess of 10 ug/dL is less than or equal to approximately 1%, far below EPA's threshold of no more than 5% of children with blood lead levels in excess of 10 ug/dL. However, on page 2-21, last paragraph of section 2.5.6.1, the text gives the average blood lead level as 7.93 ug/dL. This value is actually the total lead uptake of the 6 to 7 year old, not the average blood lead level. The actually average blood lead level for the resident child should be listed as 3.03 ug/dL. Similarly, the average blood lead estimates for the recreational receptor should be corrected to 3.248 ug/dL in the first paragraph on page 2-22 rather than the 8.76 ug/dL value listed. The value of 8.76 is also the total lead uptake of the 6 to 7 year old. In order to avoid confusion over final model results, it would be useful if the distribution curve output of the model were included with the results. These curves clearly show that the results for both the residential and recreational child are well within the accepted risk range.

Response— The text will be modified to reflect the appropriate levels.

Comment 11: **Page 2-5, Section 2.1.5.3. The first paragraph in this section indicates that background** levels for inorganics in ground water are "provided in Table 2.7. However, Table 2.7 has not been provided.

Response— Table 2.7 will be included in the document.

Comment 12: **Page 2-6, Section 2.2.1.2. The second paragraph in this section indicates that medium** specific data for each parameter were evaluated to determine whether the distributions were normally distributed or lognormally distributed. Please indicate how data whose distributions were found to be neither normal nor lognormal were handled.

Response— Text will be added to clarify that chemical-specific data distributions that could not be determined based on the W-test were assumed to be lognormal.

Comment 13: **Page 2-18, Section 2.5.1.** The last paragraph in this section lists the ground water CTE cancer risk for the lifetime residential receptor as $4.7X10^{-5}$. This

value corresponds to the cancer risk summed across all media. The value for ground water, according to Table 9.1, is $4.5X10^{-5}$. Please correct this apparent discrepancy.

Response— Section 2.5.1 will be corrected to correspond with Table 9.1.

Comment 14: **Page 2-18, Section 2.5.1.** The last sentence of the last paragraph in this section indicates that the lifetime residential cancer risk for arsenic in soil exceeded $1X10^{-6}$. However, according to Table 9.6, other parameters measured in soil also exceeded this risk level (TCDD-TEQ, benzo(a)pyrene and dibenz(a,h)anthracene). For clarity, please indicate this in the text.

Response— The text will be modified to include the other COPCs in soil that exceed the lifetime residential cancer risk level.

Comment 15: **Page 2-18, Section 2.5.2**. The second paragraph in this section states that the RME cumulative HI for the adult recreational user is 0.002. The correct value according to Table 9.7 is 0.02. Please correct this apparent discrepancy.

Response— Section 2.5.2 will be corrected to correspond with Table 9.7.

Comment 16: **Tables 2.1 - 2.6.** These tables do not define the qualifiers listed. Additionally, since the "U" qualifier typically means the parameter was not detected it is unclear why these qualifiers are listed sometimes for the maximum and minimum detected concentrations.

Response— Footnotes defining the qualifiers will be added to the tables. A "U" qualifier indicates a non-detect; however this qualifier only appears when an analyte was detected in only one of a duplicate pair (one was a non-detect). If only one of the duplicate pair was a detect, the sample was included in the HHRA as a conservative measure.

Comment 17: **Table 2.2.** The screening value used for beryllium is the carcinogenic based Region 9 PRG. However, as is indicated in the PRG table, when the noncarcinogenic screening value is adjusted downward by a factor of ten it is lower than the carcinogenic screening value and should be used. Please correct the table accordingly.

Response— The table will be corrected to reflect the noncarcinogenic screening value. It should be noted that this will not result in any changes to the HHRA aside from Table 2.2.

Comment 18: The screening value used for chloroform is the carcinogenic based Region 9 PRG. However, as is indicated in the PRG table, when the noncarcinogenic screening value is adjusted downward by a factor of ten it is lower than the carcinogenic screening value and should be used. Please correct the table accordingly.

Response— The table will be corrected to reflect the noncarcinogenic screening value. However, it should be noted that based on the addition to the screening assessment of the consideration of detection frequency, this point is moot. Chloroform was only a COPC in groundwater, where its detection frequency is less than 5 percent.

Comment 19: **Tables 3.1 - 3.6.** The CTE EPC values listed are not the arithmetic means as stated in the text and used in the calculations. In addition, the median EPC statistics which are listed for the CTE EPCs are incorrect. Please review and revise the tables accordingly.

Response— Several of the CTE EPCs were reviewed and were determined to be the same arithmetic means as presented in the tables and discussed in the text. In order to clarify the comment, please provide the media-specifc COPCs where EPA determined that the CTE EPCs were inaccurate.

Comment 20: **Table 5.1.** The oral RfD for 1,1-dichloroethene does not agree with the value provided in IRIS. Please verify and correct.

Response— The oral RfD for 1,1-dichloroethene will be corrected.

Comment 21: **Table 5.1.** This table does not list a primary target organ, uncertainty factor or modifying factor for dieldrin. However, IRIS listing for dieldrin identifies the liver as the primary target organ and also provides uncertainty and modifying factors. Please verify and correct.

Response— This information for dieldrin will be added to the table.

Comment 22: The lists of semivolatiles listed in Tables 5.1 and 5.2 are not identical. It appears that a few of the semivolatile compounds listed in Table 5.2 are not COPCs. Please verify and correct as necessary.

Response— Table 5.2 will be corrected to reflect only COPCs.

Comment 23: **Table 5.2.** This table does not provide a reference for the inhalation RfD listed for 1,2-dichloroethane. Please verify and correct.

Response— A reference for the 1,2-dichloroethane inhalation RfD will be added to the table.

Comment 24: **Table 5.2.** This table identifies IRIS as the source of the inhalation RfD for chloroform. IRIS, however, does not provide an inhalation RfD for chloroform. Please verify and correct.

Response— Chloroform will not be considered a COPC based on detection frequency and, therefore, will be removed from this table.

Comment 25: **Table 6.1.** This table identifies dieldrin as a Class D carcinogen. IRIS, however, lists dieldrin as a Class B2 carcinogen. Please verify and correct.

Response— The carcinogeneity of dieldrin will be changed to Class B2 in the table.

Comment 26: **Table 6.1.** This table does not list an oral RfD or carcinogenic class for 1,1-dichloroethene. These values are listed in IRIS. Please verify and correct.

Response— Information on 1,1-dichloroethene will be added to the table.

Comment 27: **Table 6.1.** The column heading for dermal cancer slope factors is not clearly labeled. Please enter a more descriptive column heading.

Response— The column heading will be modified to include the word dermal.

Comment 28: **Table 6.2.** This table does not list an inhalation cancer slope factor or carcinogenic class for 1,1-dichloroethene. IRIS, however, provides both of these values. Please verify and correct.

Response— Information on 1,1-dichloroethene will be added to the table.

Comment 29: **Table 6.2.** The reference provided for the inhalation cancer slope factor for 1,4-dichlorobenzene is IRIS. However, IRIS does not list an inhalation cancer slope factor for 1,4-dichlorobenzene. Please verify and correct.

Response— The inhalation cancer slope factor for 1,4-dichlorobenzene will be removed.

Comment 30: **Attachment B.** A number of the central tendency intake calculations cannot be verified. For example, the cancer intakes provided in Table B-41 appears to be incorrect based on the exposure parameters and equation provided in the table. Other tables showing discrepancies include B-51, B-53, B-55 and B-57. Sometimes the problem seems to affect only cancer intakes, other times it seems to affect only noncancer intakes and sometimes it seems to impact both sets of values. In some instances at least, the problem appears to be related to a

discrepancy between the exposure parameters provided in the Table 4s and the exposure parameters given in Attachment B. Please carefully review these risks calculations and correct the tables as necessary.

Response— The CTE intake calculations will be revisited and corrected. Corrections will follow throughout the text as necessary.

Comment 31: **Table B-42.** This table presents the RME risk calculations for the inhalation of volatiles from Groundwater pathway. The Non-Cancer Averaging time used in this table is 3,285 days which is the CT averaging time. The correct value to be used for the RME is the ED * 365 or 8760 days. This input value should be corrected and the noncancer hazards should be recalculated in this table. This change will result in decreasing noncancer hazards from this pathway.

Response— The correct averaging time will be used in the calculations and presented in the tables.

RESPONSE TO COMMENTS FROM U.S. ENVIRONMENTAL PROTECTION AGENCY ON THE DRAFT SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT – SITE 16 JANUARY 2002

GENERAL COMMENTS

Comment 1: The ecological risk assessment is generally sound and follows appropriate EPA guidance. The problem formulation is well-based, benchmarks are generally appropriate, exposure assumptions are protective for the most part, etc. The conclusions that risk to wildlife receptors exposed to contaminants in surface soil may not be significant are sound but may need to be revised based on any changes in the report stemming from the following comments. Risk to aquatic biota is demonstrated in the report and needs to be further evaluated, as discussed in the November 8, 2001 meeting.

Response— Comment is acknowledged. Specific responses are provided below.

Comment 2: The assumption that the exposure point concentration for wildlife receptors is the soil concentration is adequately protective for chemicals which have BCFs less than one. This is generally the case in this report. The one exception may be dioxins/furans (see the Specific Comment for Table 11). If, based on the specific chemical(s) detected at the site, a BCF greater than one is used, it will no longer be conservative to assume that the dietary concentration equals the soil concentration.

Response— Comment is acknowledged. See response to Specific Comment No. 22 below.

Comment 3: While the potential exposure of wildlife to contaminants in surface soil is addressed in the ecological risk assessment, the potential pathway from shoreline sediments or seeps to wildlife receptors is not addressed. Please discuss the potential for chemicals in shoreline sediments and seeps to be ingested by wildlife foraging in these areas (shorebirds, gulls, small mammals, etc.), either through the food chain and via incidental ingestion of sediments.

Response— The analyses included in the Draft SLERA were mandated by the approved Work Plan. Possible further evaluation of sediment risk may be discussed as part of the Phase II RI.

Comment 4: Although not included in the final work plan, the relatively high levels of COPCs found in the few sediment samples during the investigation suggests that wading birds may be at risk through the sediment food web. Further it is unknown whether these COPCs are related to the site or reflect ubiquitous

contamination in the harbor. Therefore, EPA recommends that risk of ingestion of benthic organisms be evaluated for one or more species of wading bird, using predicted concentrations of COPCs in benthic organisms based on literature bioaccumulation factors. In lieu of predicted tissue concentrations, Navy could measure tissue concentrations in benthic organisms collected from the area or use data collected previously from the Harbor. This would not be necessary if the Navy can demonstrate that the sediments adjacent to the site do not have elevated COPC concentrations relative to elsewhere in the harbor that has not been impacted by Navy activities.

Response— See response to Comment No. 3.

Comment 5: Although the conceptual model did not include exposure of terrestrial organisms to sediment, it is recommended that the potential risk of this pathway to semi-aquatic mammals (e.g., raccoon, mink) be addressed qualitatively in the uncertainty section.

Response— See response to Comment No. 3.

Comment 6: Please explain in the text, the basis for estimating the soil ingestion rate of terrestrial receptors as a percentage (i.e., 3 to 10%, Table 6) of the food ingestion rate.

Response— The following text will be inserted on page 7 of the Draft SLERA right before the sentence beginning "Information necessary for calculation....": "Note that F_{xsoil} is a fraction, consistent with the typical means of expressing incidental soil ingestion in literature sources as a percent of soil in diet (see Table 6)."

Comment 7: The basis for the exposure point concentrations used in the conservative and Tier 3a food web modeling should be explained in the text. For instance, the maximum concentration of chromium in surface soil is 11.6 mg/kg (Table 3), and this concentration is used in the conservative food web model (e.g., Table 8). However, the exposure point concentration for surface soil in the Tier 3a model is 9.164 mg/kg. Presumably, this concentration is the average surface soil concentration, but this is not explained in text or table. It is recommended that the average concentrations in each media be compiled in Table 3 and supported with data tables in an appendix.

Response— The basis for the exposure point concentrations used in the Step 3a foodweb model is explained under item (2) at the top of page 10 of the Draft SLERA. The soil concentrations in Tables 12, 13, and 14 are not averages, but are maximum values that have been converted to a wet weight basis. We will insert footnotes to this effect in these tables.

Comment 8: Screening of sediment concentrations against ERLs is appropriate for a screening level assessment, and the results indicate concentrations of many COPCs are higher than ERLs. However, no conclusions can be made concerning the likelihood of adverse effects if ERLs are exceeded. Many of the COPCs did not exceed ERM values, suggesting that adverse effects may be unlikely. Analogous to the Tier 3a process for food web modeling, it would be useful to discuss the likelihood of adverse effects based on ERL and ERM exceedances in the uncertainty section (see Long et. al. 1998 and Long and MacDonald 1998). Such an analysis, combined with comparison of sediment concentrations elsewhere in the harbor, may indicate that additional risk assessment activities (e.g., sediment toxicity tests, benthic community survey, etc.) are not warranted. Currently, exceedance of ERLs in the screening level assessment indicates that remediation will be necessary unless higher tier risk assessment supports the conclusion that risks are acceptable.

Response— We acknowledge the reviewer's point regarding additional perspective that might be gained in evaluating ERM data. Given that the reviewer has tied this to evaluation of other harbor sediment data, we suggest such an evaluation would be appropriate for discussion in association with the Phase II RI.

Comment 9: Some clarification on the samples collected for this ecological risk assessment is needed in the report. The number of soil samples, locations, and individual sample results are needed to help determine adequacy of sampling and whether or not the site has been delineated. Similarly, please state how many water samples were collected from the seeps.

Response— The numbers of samples collected are identified in the "detection frequency" columns of Tables 3, 4, and 5 of the Draft SLERA. The sample locations are identified in Figure 3 of the SLERA. Because the SLERA will be incorporated as an appendix to the Phase I RI report, reference will be made to data tables in the RI report containing individual sample results.

SPECIFIC COMMENTS

Comment 10: **Section 1.1.1, Environmental Setting of Site 16, Page 2.** The third sentence of the second paragraph states, "Non-hydric plants dominated in the rip rap area, and site-visit participants agreed that the area lacked wetland characteristics." The fourth sentence states, "A small area of *Spartina alterniflora* marsh existed in the northeast portion of the site abutting Allen Harbor." Without further clarification, these two sentences appear contradictory. Please clarify.

Response— The existing 2nd, 3rd, and 4th sentences of this paragraph will be modified as follows: "Approximately 98 percent of the Site 16 shoreline abutting

Allen Harbor is highly modified where large boulders had been placed for shoreline stabilization. Non-hydric plants and soil dominated this rip rap area, and site-visit participants agreed that the area lacked wetland characteristics. A very small area of *Spartina alterniflora* marsh existed in the northeast portion of the Site abutting Allen Harbor."

Comment 11: Further, please state who conducted the site visit and made these determinations regarding the habitat at the site.

Response— The following sentence will be inserted after the first sentence in the second paragraph of Section 1.1.1: "Site visit participants included biologists Charles Leasure and Stella Kiras from EA Engineering, Science, and Technology, and Nancy Kunzelman of the U.S. Navy EFANE."

Comment 12: **Section 1.2.2, COPC-Screening Results: Exposure and Risk Characterization for Lower Trophic Level Terrestrial Organisms and Aquatic Organisms, Page 4.** The fourth sentence states that COPCs included three metals. Please change this to "four metals" to account for copper, which exceeded its benchmark.

Response— This will be done.

Comment 13: **Section 1.3, Summary of Site 16 Screening Level Ecological Risk Assessment, Page 12, top of page.** The final sentence states that it has not been determined whether seep sediment areas represent localized concentrations of COPC, or whether data reflect general sediment conditions throughout the Site 16 shoreline area. Please discuss how this issue will be determined.

Response— The analyses included in the Draft SLERA were mandated by the approved Work Plan. Possible further evaluation of sediment risk may be discussed as part of the Phase II RI.

Comment 14: **Figure 3.** This figure does not clearly show the sample locations relative to source areas. Please provide a clearer figure so that the suitability of sampling locations can be determined.

Response— Figure 3 from the Draft SLERA has been revised per this comment, and is attached.

Comment 15: **Table 2.** The soil screening benchmark for mercury is listed as 2.2 ppm, from RIVM (1997). This value is higher than the available value in Efroymson (1997), which is 0.3 ppm. Please use the more protective value for this screening level risk assessment.

Response— The 2.2 ppm value was incorporated in the approved final Work Plan. Note also that the maximum concentration of mercury (0.11 mg/kg, Table 3 SLERA) is lower than either the 2.2 or 0.3 ppm value. Therefore, no risk would be projected using either benchmark.

Comment 16: **Table 3.** Table 3 lists a few chemical in surface soil for which no screening benchmarks are provided (e.g., dioxin). Please indicate in the final column that these chemicals are carried through as COPC. Please add these chemicals to the discussion in Section 1.2.2., as well.

Response— These chemicals will be designated as COPC in Table 3. Note that these chemicals are already discussed in Section 1.2.2 (last paragraph under Surface Soil).

Comment 17: **Table 3.** The maximum concentration of copper in soil (40.2 mg/kg) exceeds the surface soil benchmark (40 mg/kg). In the final column of this table please indicate that copper is a COPC. Further, copper should be carried through the food chain modeling as a COPC.

Response— This will be done.

Comment 18: **Table 5. Table 5 lists a few chemical in sediment for which no screening benchmarks are** provided (e.g., cobalt and vanadium). Please indicate in the final column that these chemicals are carried through as COPC. Please add these chemicals to the discussion in Section 1.2.2, as well.

Response— Analytes with no screening values in seep sediment (Table 5) will be designated as COPC. The following sentence will be placed at the end of the paragraph under Seep Sediment: "Several analytes lacked screening values and these are also designated as COPC."

Comment 19: **Table 6.** This table provides exposure factors for ecological receptors. Please provide explanations for the values pulled out of EPA (1993). Were values based on means of available values? In the case of the food ingestion rate for the robin, if one used the most conservative value available, the food ingestion rate would be around 0.12 kg/d, not 0.098 kg/d, as used in this report.

Response— The values in Table 6 were selected based on Best Professional Judgement. Sometimes this involved calculating the mean of available values, such as the food ingestion rate for the robin. In other cases, a single value would be selected from those available that appeared to be representative. Several minor corrections are necessary in Table 6. The soil ingestion rate for the robin will be changed to 0.009763 kg/day ("based on 10 percent of food ingestion rate with American woodcock as surrogate, U.S. EPA 1993"). The explanation for the

food ingestion rate for the red fox will read: "Based on 2.8 percent of food ingestion rate, U.S. EPA 1993." The explanation for the soil ingestion rate for the eastern cottontail will read: "Based on 6.3 percent of food ingestion rate of the black-tailed jackrabbit, Sample and Suter 1994).
(Note that these changes to food-ingestion rates only affect Table 6; these correct values were used in the food-web calculations.)

Comment 20: **Table 6.** Please correct the definition of the abbreviation Ha. It should be hectares, not Health Advisory.

Response— This correction will be made.

Comment 21: **Table 7.** Please provide rationale for using the avian TRV for lead which is based on metallic lead rather than the more conservative value for lead acetate.

Response— The avian TRV for lead of 3.85 mg/kg-bw/day was included in the final Work Plan and agreed to by all parties.

Comment 22: **Table 11.** A value of 1.0 is provided for dioxin toxicity equivalent as a default value, assumed to be conservative. This value may not be adequately conservative; it is possible that the BCF could be greater than one. There are BCFs available for several dioxin/furan compounds in EPA's document *Screening Level Ecological Risk Assessment Protocol for Hazardous Waste Combustion Facilities, Peer Review Draft*, dated November, 1999 (www.epa.gov/epaoswer/hazwaste/combust/ecorisk.htm). If the report specified which specific dioxins were detected in surface soil, an appropriate BCF might be selected. Please review.

Response— Several dioxin compounds were reported with BCFs greater than 1.0 for soil to invertebrate transfer in Appendix C of the referenced document. The highest of these was 1.59 for 2,3,7,8-TCDD. However, use of such values would have no effect on SLERA results since risk was projected (HQ>1) for the robin, the only receptor fed invertebrates in the model, using the default value of 1.0 (see Table 14 of Draft SLERA). Neither the referenced document nor other available sources provided a soil to mammal BCF for dioxin compounds. The use of a default BAF of 1.0 for soil to mammal (food items) represents some uncertainty. However, given the very low HQ generated for dioxin in the Step 3a food-web for the fox (HQ=0.01, Table 13 in SLERA), and the fact that the majority of the dose to the fox was from small mammal food in the model, an actual soil to mammal BAF would have to be 100 or more for the HQ to come near to 1.0.

Comment 23: **Table 11.** The soil-plant BCFs for the inorganic COPCs were calculated using a regression equation from Bechtel and Jacobs (1998). Please explain which

equation was used from the source document and explain how the equation was used to derive the BCF values.

Response— The single-variable regression model of Bechtel and Jacobs (1998) based on inclusion of validation data was used to calculate plant tissue concentrations of lead and zinc (a default BAF of 1.0 was used for chromium). The model is: ln (plant concentration)=B0 + B1(ln(soil conc.)) where B0 and B1 are intercept and slope, respectively. To calculate the concentration of lead in plants, for example, the procedure is:

$$\begin{aligned} \ln(\text{plant}) &= B0 + B1(\ln(\text{soil})) \\ &= -1.328 + 0.561\,(4.589)) \\ &= 1.246 \end{aligned}$$

When this value is converted to the antilog (3.478) and multiplied by the fraction dry weight in plants (0.24), the result is 0.8347 mg/kg. Note this value as the concentration of lead in vegetation in Tables 12, 13, and 14 of the Draft SLERA.

Comment 24: **Table 11.** The mammal BCFs for the inorganic COPCs were calculated using a regression equation from Sample *et al.*(1998). Please explain which equation was used from the source document and explain how the equation was used to derive the BCF values.

Response— Single-variable regression models for all small mammals (chromium and zinc) and omnivores (lead) from Sample et.al. (1998) were used in the Site 16 Step 3a food-web analysis. The model is: ln (mammal concentration)=B0 + B1(ln(soil conc.)) where B0 and B1 are intercept and slope, respectively. To calculate the concentration of zinc in mammals, for example, the procedure is:

$$\begin{aligned} \ln(\text{mammal}) &= B0 + B1(\ln(\text{soil})) \\ &= 4.4713 + 0.0738\,(4.4462)) \\ &= 4.799 \end{aligned}$$

When this value is converted to the antilog (121.39) and multiplied by the fraction dry weight in mammals (0.32), the result is 38.84 mg/kg. Note this value as the concentration of zinc in mammal tissue (accounting for rounding) in Table 13, of the Draft SLERA.

Comment 25: Please clarify if the BCFs are soil-mammal BCFs, plant-mammal BCFs, invertebrate-mammal BCFs, etc.

Response— In all cases, the BAFs are soil to tissue: soil to plant, soil to mammal, soil to invertebrate.

Comment 26: References

Long, E. R. and D. D. MacDonald. 1998. Recommended uses of empirically derived sediment quality guidelines for marine and estuarine ecosystems. Human and Ecological Risk Assessment 4(5): 1019-1039.

Long, E. R., L. J. Field, and D. D. MacDonald. 1998. Predicting toxicity in marine sediments with numerical sediment quality guidelines. Environ. Toxicol. Chem. 17(4): 714-727.

***Response*—** None required.

RESPONSE TO COMMENTS FROM RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ON THE DRAFT SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT – SITE 16 NAVAL CONSTRUCTION BATTALION CENTER, DAVISVILLE JANUARY 2002

Comment 1: Page 2, Section 1.1.1, Environmental Setting of Site 16, Paragraph 2, Sentence 3- "Non-hydric plants dominated this rip rap area, and site-visit participants agreed that the area lacked wetland characteristics." – Please revise the sentence to state that under RIDEM wetland regulations open waters are considered to be wetlands whether they exhibit wetland characteristics or not.

Response— We acknowledge the designation of open water as wetland in RIDEM (and federal) regulations. However, the SLERA was not directed at the open water of Allen Harbor, rather it was restricted to the terrestrial land mass at Site 16.

Comment 2: Table 2, Sources of Screening Benchmarks Used for Site 16, NCBC Davisville - With respect to surface soil Arsenic, Beryllium, Manganese, and more than half of the PAH benchmarks exceed RIDEM residential direct exposure criteria. For these constituents the benchmark must be lowered to the RIDEM residential direct exposure criteria. Exceedance of the RIDEM direct exposure criteria requires reporting and subsequent remediation of said soil whether there is an ecological risk or not.

Response— A draft Human Health Risk Assessment (HHRA) of Site 16 was submitted with the SLERA. HHRA issues are not addressed in the SLERA.

Comment 3: Table 3, Site 16 Surface Soil COPC Screen – Beryllium and a number of PAHs exceed RIDEM residential direct exposure criteria. The same concern is noted here as is noted in Comment No. 2, above.

Response— A draft HHRA of Site 16 was submitted with the SLERA. HHRA issues are not addressed in the SLERA.

Comment 4: **General Comment – Please state if the Navy has determined whether there are any rare or** endangered species at this site.

Response— The following sentence will be inserted at the end of Section 1.1.1 of the SLERA: "No rare or endangered species were identified during the site visit and examination."

Comment 5: General Comment – Please provide maps delineating the locations and concentration of the contaminates of potential concern (COPC) highlighting the location of the maximum concentration for each COPC. This will allow for a spatial analysis of the data perhaps focusing our efforts in one or more areas rather than the whole site.

Response— The Navy will provide this type of maps as part of the Phase II RI.

Comment 6: General Comment - Based on the conclusions drawn from this study the Navy needs to indicate how it wants to proceed with this investigation, particularly since there are many hazard quotients which exceed 1.0.

Response— Any further evaluation of ecological risk will be incorporated in discussions associated with the Phase II RI.

RESPONSE TO COMMENTS FROM U.S. ENVIRONMENTAL PROTECTION AGENCY ON THE DRAFT REMEDIAL INVESTIGATION REPORT – SITE 16 DECEMBER 2001

GENERAL COMMENTS

Overall, the document provides a significant amount of information obtained using a variety of investigative methods. The conclusion derived in the report that a potential source of the chlorinated volatile organic compound (CVOC) may exist beneath Building 41 has merit and the recommendation that additional investigative activities be conducted in that area is valid. However, the overall assessment of the nature and extent of groundwater contamination and the conceptual site model (CSM) that are presented do not appear to be thorough and complete. A review of the data and information provided suggests the Building 41 location may not be either the source or the only source of observed CVOC contamination in groundwater at Site 16.

Comment 1: Review of the information provided in the report suggests that contrary to the interpretation of the Phase I Report, there does exist the possibility that the central area of Site 16, specifically the suspected Former Fire Training Area (FFTA) may have contributed significant CVOC contamination to site groundwater. An additional potential CVOC source area is the former railroad spur to the south and/or southeast of Building 41. Past input of CVOC contamination from these locations may be the prime or a contributing source for the elevated concentrations of CVOC, primarily TCE, observed from just east of Building 41 throughout the central Site 16 area toward Allen's Harbor.

However, for all three of the potential source areas, there are data gaps that preclude a definitive evaluation of the contaminant source area for Site 16. Furthermore, the recommendations for additional work that are proposed in the Phase I Report will not likely provide sufficient information to resolve the two additional potential source areas. Specific areas of data deficiency include the lack of any intermediate groundwater monitoring wells, a lack of sufficient shallow groundwater monitoring wells, especially in the vicinity of Building 41, and an incomplete delineation of the weathered, fractured, bedrock zone. The lack of groundwater monitoring wells in the intermediate portion of the aquifer and lack of bedrock wells within the central portion of the Site 16 area is a data gap.

Response— Comment noted.
Additional soil boring, monitoring well, and well cluster locations proposed for the Phase II RI in these areas (Figure A and Table 1) are anticipated to refine the

hydrogeology, nature and extent of the VOC plume, and potential source (release) areas.

Comment 2: Each of the three potential CVOC source areas are briefly described below with the associated rational and data limitations.

Comment 2.1 Building 41 CVOC Source Potential

The lack of certainty concerning a potential source beneath Building 41 relates to several variables. These include the time since probable release of contamination to the subsurface, the high contaminant transport velocity from the vicinity of Building 41, and the lack of resolution of groundwater flow patterns in the vicinity of Building 41, especially to the south and southeast. Also lacking is shallow groundwater sampling even though the Membrane Interface Probe (MIP) screening procedures indicated elevated Electron Capture Detector (ECD) readings (indicators of CVOC presence) in shallow or intermediate groundwater to the south and southeast of the building.

A review of the groundwater gradient for monitoring wells to the northeast of Building 41 and the hydraulic conductivity values for those wells indicates that the groundwater velocity is relatively fast (e.g., on the order of 3 to 5 feet per day at well MW16-14D). Additionally, a review of the total organic carbon in soil for the deep monitoring wells suggests that there is not likely to be appreciable retardation to contaminant migration from that source area. If a release had occurred prior to 1953 the bulk of the TCE should have been removed by flushing over a period of 48 years. This is based upon the solubility of TCE in water and the volume of groundwater moving through the potential release area. The observed concentrations of TCE noted in several wells, while high, appear to be significantly higher than that which might be expected if a release occurred prior to 1953. In the same breath, it must also be acknowledged that soils data is particularly lacking in the shallow and intermediate levels of the aquifer. As such, it still remains to be determined as to whether fine-grained deposits in the upper portions of the aquifer may have retained significant amounts of contaminants. Additional data (i.e., both soils and ground water data) are needed from these portions of the aquifer.

Additionally, the identified solvent use area is located in the western third of Building 41 on the north side. The interpreted groundwater contours shown for the shallow and deep monitoring wells shown on Figures 3-10 and 3-11 appear to present groundwater moving from that location to the south and/or southeast toward several other wells that are not presently exhibiting elevated levels of CVOC in groundwater. However, there is a limited number of groundwater monitoring wells in that direction to ascertain actual groundwater flow dynamics. This is especially true for shallow groundwater since there do not appear to be any shallow monitoring wells in the vicinity of Building 41. This makes it difficult to differentiate whether the deep groundwater is contaminated by a release from beneath the building, which should also contaminate shallow groundwater,

or whether the contamination noted is contamination that has migrated along the weathered, fractured bedrock zone.

Also, a review of the interpreted bedrock contour map, Figure 2-2, shows the bedrock surface dipping to the west beginning at a location beneath the former solvent recovery still. If CVOC contamination had been released at that location there should be some indication of significant contamination in deep monitoring wells to the west of Building 41. That is, even in the absence of shallow monitoring wells at those locations, CVOC should be observed as it migrated down dip counter to general groundwater flow (if in a dense, non-aqueous form). However, the deep groundwater monitoring wells at those locations have not evidenced CVOC contamination.

Lastly, the screening methodology used (MIP) did not indicate significant, widespread elevated readings of (ECD) in shallow or intermediate elevations below the ground surface at potential up gradient locations from the two wells nearest the building with elevated CVOC concentrations in groundwater (MW 16-14D and MW16-15D). In the absence of shallow groundwater monitoring wells, these locations should have exhibited elevated readings at shallow soil column elevations if a significant source was present beneath the building (although the potential for 'false negatives' from the MIPs effort appears to be significant).

Response— The interpretations, speculations, and opinions of EPA are noted. Additional soil boring, monitoring well, and well cluster locations are proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeology (including the configuration of the bedrock surface beneath Building 41), nature and extent of the VOC plume, and the understanding of this potential source (release) area. With regard to the reviewer's reference to the relatively fast ground-water velocity and related flushing action of the subsurface, localized areas of relatively fast ground-water velocity can only have effectively flushing action it the water has somewhere to go; i.e., downgradient area of similar or higher velocity rather than lower velocity. Refer to the responses to related specific comments for more detailed responses.

Comment 2.2 Railroad Spur Area CVOC Source Potential

A potential source area not identified in the Phase I Remedial Investigation Report that may be a more likely potential CVOC source is the location further to the south and east of Building 41. A review of the rock coring logs indicates that the bedrock to the east and south of Building 41 is a part of the zone of weathered, highly fractured bedrock identified in the Report. Monitoring wells, MW 16-17D, MW 16-18D, and MW 16-25D had Rock Quality Designator (RQD) values of 19%, 46% and 20%, respectively. Also noted, is that the bedrock adjacent to Building E107 to the north of the central Site 16 Area, but west of the interpreted fracture direction, had the lowest RQD value of the

investigation at 0%. These values along with the low RQD values to the east of Building 41 suggest that there is a potential preferential pathway in the shallow bedrock extending from the southeast of Building 41 through Site 16 to Building E107. The inferred bedrock elevations shown on Figure 2.2 coupled with the orientation of the bedrock fracture zone may indicate that the release of TCE occurred outside of Building 41. This source area may be possibly at a loading/unloading ramp adjacent to the railroad side spur at the southeast corner of the building.

Also, the MIP ECD responses summarized on Figure 2-4 indicated elevated readings for intermediate soil column elevations at locations to the east and southeast of Building 41. MIP 16-S10 is shown as having ECD response readings in the mid-range at depths from 28 to 50 feet below the ground surface, well above the bedrock surface. MIP 16-S21 had readings in the low-mid range at 16 to 22 feet below the ground surface and in the mid-range at 28 to 34 feet below the ground surface. MIP 16-S22 had very low response readings, but at a depth of only 10 to 11.5 feet below the ground surface. Since these soil column intervals are above the bedrock elevation, it does not appear that they are due to contamination migrating along the bedrock "trough" but may represent a surface release to the south of Building 41.

Several deep overburden wells were installed in the area to the south and east of Building 41 did not indicate elevated levels of CVOCs. However, there do not appear to have been any shallow or intermediate monitoring wells installed in this area or the vicinity of Building 41. This precludes a definitive evaluation of groundwater quality, flow dynamics in that area. Nonetheless, a plausible explanation for the observed TCE in the deep groundwater zone along the bedrock "trough" is that a spill occurred in the vicinity of the railroad spurs that migrated vertically and horizontally, moving in the presumed direction of shallow and deeper groundwater flow; i.e., to the northeast. That is, assuming a release at some location to the south and east of building 41, the highest concentrations may not be observed at depth in the vicinity of the release due to lateral movement of contaminants along lenses of low permeability soil until a more permeable soil unit is reached (e.g., the low permeability layer "pinches out"), at which point vertical migration to deeper levels within the aquifer is no longer constricted. Such a condition may be represented in the vicinity of MW 16- 14D, where the absence of a low permeability unit is depicted on Figure 3-8.

Response— The interpretations, speculations, and opinions of EPA are noted. Additional monitoring well and well cluster locations are proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeology, nature and extent of the VOC plume at several depth intervals or zones, and the understanding of this potential source (release) area. Refinement of the hydrogeology would include assessment of the extent of fracture zones in bedrock toward MW16-03D and the extent of a gap in the silt layers at MW 16-14 and MW16-18 that could allow downward migration of surface

releases of VOC to the deep ground-water zone (where relatively low CVOC concentrations have been detected to date in the old railroad spur area) rather than continued north or east lateral migration in an intermediate depth zone. Refer to the responses to related specific comments for more detailed responses.

Comment 2.3 Former Fire Training Area (and Vicinity) Source Potential

An apparent deficiency of the Phase I RI Report is that it essentially dismisses the central Site 16 area as a source of the observed groundwater contamination (Section 5.5). The Phase I RI Reports directly attributes the source to a release beneath Building 41. However, a review of the data provided in the Phase I Remedial Investigation Report, and previous studies, do suggest that Site 16 shallow groundwater has been impacted by a past release of contamination, and may be a source of the observed deep groundwater contamination. However, previous data collected in 1999 and summarized in the Study Area 16 Comprehensive Report/Study Area Screening Evaluation does not appear to have been incorporated in the analyses. The limited shallow groundwater samples collected, analyzed and presented in this Phase I RI report lie either upgradient or significantly down gradient from the suspected former FFTA potential source.

The information presented in the 1999 Study Area 16 Report is relevant to this investigation and should be included in this RI Report. For instance, the 1999 Study Area 16 Report indicated that well 28-GW-03 had 4 micrograms per liter (µg/L) TCE, 7 µg/L 1,2 DCE, and 2 µg/L VC at the 7-9 foot depth (water table). Well 28-GW-04 had 1 µg/L TCE, 31 µg/L 1,2 DCE, and 10 µg/L VC at the 7-9 foot level. Wells, 28-GW-05, 28-GW-06, and 28-GW-07 had 3, 8, and3 µg/L of VC, respectively in the shallow groundwater well. The deeper components of these wells indicate elevated concentrations of TCE with 28-GW-04 indicating 570 µg/L. All of these wells are located either within, or down gradient (one direction only) of the suspected FFTA. Nonetheless, even though the central area of Site 16 was not sampled during this remedial investigation, CVOC contamination in the shallow groundwater around the periphery was detected. Although CVOC contaminants were detected in shallow groundwater at relatively low levels during the Phase I RI, they were detected and cannot be ignored. Furthermore, the CVOC constituents found other than TCE such as cis 1,2-dichloroethylene (DCE) and vinyl chloride (VC), which were detected in this and previous investigations, are degradation products of TCE. It should be noted that the presence of these degradation products most likely signifies the transformation of TCE that was released at this location.

Although TCE was the predominant CVOC detected at depth, and biodegradation was assumed not be occurring, this observation cannot be applied to the shallow groundwater. One of the reasons for lack of biodegradation of TCE at depth, even though the environmental conditions might be otherwise favorable, such as reducing or low, oxygen conditions, is that there may not be a carbon co-substrate. Degradation of TCE normally

requires a carbon source other than TCE itself for microorganisms to use. At the shallow groundwater level, there were likely adequate alternative carbon sources. The carbon co-substrate most likely to have been the petroleum hydrocarbon compounds detected as being present in site soils and groundwater. Therefore, biodegradation of TCE at the shallow and/or intermediate groundwater intervals is likely to have occurred.

The fact that higher concentrations of TCE were not detected in the shallow groundwater or soils does not signify that a release did not occur. Consideration has to be given to the age of the release, infiltration, volatilization, etc. It should also be noted that while the present site is heavily vegetated it is not likely that this was the case in the 1960s. For instance, it was reported that the site surface was often reworked. Additionally, site operations would have precluded extensive development of vegetation. Under these circumstances, a larger fraction of annual precipitation would have infiltrated to the subsurface at the location of Site 16, including the FFTA. The present heavy vegetative cover has likely significantly increased transpiration and reduced infiltration. The Site 16 Area, at that time, may have been a significant area of recharge with altered groundwater flow patterns. Therefore, the present groundwater regime may not reflect past conditions. It is likely that past groundwater flow patterns in the central Site 16 area were substantially different with at least intermittent semi-radial flow to the east and south, and perhaps to the north and northwest as well. It may be necessary, therefore, to expand the investigation laterally from the central site 16 area into areas which are not presently 'down-gradient' of the FFTA (e.g., southwest, southeast, north, northwest).

It is likely that the groundwater column between the water table and that adjacent to the bedrock has concentrations of CVOC constituents that would reflect the downward migration of TCE and degradation products. Unfortunately, further evaluation of this assessment is limited by the absence of intermediate groundwater monitoring wells within the central Site 16 footprint, in particular, near and down gradient from the FFTA. Also, there are no bedrock monitoring wells located within the Site 16 area near the suspected FFTA or immediately to the southeast, a possible past down gradient direction. However, there is another potential indicator of past downward migration of CVOC compounds into the subsurface and lateral migration to the southeast. The distribution of CVOC release at the surface or shallow groundwater at Site 16 is indicated by the MIP ECD survey results conducted during the Phase I Remedial Investigation.

Figure 2-4, which shows MIP ECD responses clearly indicates that there were indications of CVOCs in the shallow and intermediate groundwater in addition to deep groundwater. MIP 16-12, for instance, is presented as having very low, to low-mid responses from 6 to 8 feet below the ground surface to 47 to 49 feet below the ground surface. This location is within the suspected FFTA. Other MIP locations to the north, east, and south of that location also show ECD responses ranging from trace to mid level extending from near the ground surface throughout the soil column to bedrock.

An additional indicator of past release of CVOC contaminants in the central area of the site includes the probe-collected groundwater sample results presented on Figure 2-6. These results clearly show the presence of CVOC contaminants at depths considered either shallow or intermediate compared to the contamination noted to be in the bedrock "trough" extending to the southwest. For instance, location MIP 16-15, just to the southeast of the suspected FFTA indicated the presence of cis-1,2 DCE at a concentration of 230 μg/L and VC at a concentration of 11 μg/L at a depth of only 17 feet below the ground surface. This suggests release of CVOC constituents, probably TCE, at the site with subsequent biodegradation and migration to the southeast.

Further to the southeast, location MIP 16-17 detected of cis-1,2 DCE and VC at 14 μg/L and 9 μg/L, respectively at 12 feet below the ground surface. At that same location, DCE and TCE were detected at 3 and 470 μg/L, respectively at a depth of 49 feet below the ground surface. Although this is a deeper elevation it is well above the depth to bedrock in that vicinity as indicated by MW 16-02D and MW 16-28D. Also in the same vicinity, another probe groundwater sample detected DCE and TCE at a depth of 47 feet below the ground surface at concentrations of 55 and 5300 μg/L, respectively. This strongly suggests that contaminants from the Site 16 central area have migrated in a southeastward direction and to depth. Therefore, while the distribution of TCE to the southwest appears to be counter to presently observed groundwater flow directions, it is likely that past groundwater flow patterns in the central Site 16 area were substantially different with at least intermittent semi-radial flow to the east and south.

Also, a review of the various soil boring, rock coring logs and cross section presented on Figures 3-1 through 3-7 indicate that the suspected FFTA appears to lie over bedrock and a gravelly sand layer that slopes to the east and south as well as to the north. Past release of TCE in high enough concentrations could also have resulted in migration up gradient as it flowed down slope under the effects of it's density, especially if released as a dense, non-aqueous phase liquid (DNAPL).

While there are areas beneath the site where silt and/or a silt/clay layers exist, these layers does not appear to be continuous. Furthermore, it is not likely that this layer would be impermeable enough to completely prevent downward migration of TCE. Past vertical migration of TCE from the vicinity of the former, suspected FFTA location could also have migrated into the weathered, fracture bedrock zone that appears to be located immediately beneath the Site 16 area. Although the weathered/fractured has been inferred to extend in a northeast to southwest strike, the RQD data suggests that this zone is wider and oriented in a more north to south direction than presented. DNAPL introduced into those fractures has the potential to migrate counter to the direction of groundwater flow. However, no bedrock monitoring wells exist directly beneath the central Site 16 area.

Response— The interpretations, speculations, and opinions of EPA are noted. What was meant was that no near surface CVOC 'hotspot' was detected that would identify a specific release location. Additionally, because the CVOC plume in deep ground water extended upgradient (southwest) to the northeast end of Building 41, it seemed logical that historical activities in the Building 41 area had provided at least a key contribution (4,907 to 6,405 μg/L total CVOC) to the plume. Consideration of the EBS program October 1998 push probe ground-water sample results adds the presence of vinyl chloride (up to 10 μg/L) at four locations in the central and north central portions of the Stage I area of the investigation. Consideration of the Phase I RI MIP (April-May 2000) push probe ground-water sample results suggests the presence of an intermediate overburden ground-water interval just below the shallow well screens and above a probable silt lens where total 1,2-DCE, (15 to 255 μg/L), TCE (ND to 6 μg/L), and vinyl chloride (9 to 14 μg/L) were detected. These are assumed to be the remainder of migration of CVOC flushed from historical surficial releases of unknown volume and specific location along a pathway downward to the deep overburden zone where currently detected (March 2001) total CVOC concentrations range from 2,107 to 5,355 μg/L. Whether those historical surficial release(s) were PCE, TCE, 1,2-DCE, or some combination is not known.

Additional monitoring well and well cluster locations are proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeology (including the extent of fracture zones in bedrock and the configuration of the bedrock surface), nature and extent of the VOC plume, and the understanding of this potential source (release) area. Refer to the responses to related specific comments for more detailed responses.

With regard to the reviewer's reference to wells 28-GW-03, 28-GW-04, 28-GW-05, 28-GW-06, and 28-GW-07, these were EBS Program direct-push ground-water sample locations, not monitoring wells.

With regard for the MIP locations within the Site 16 main area that had MIP ECD responses in the very low to low range at very shallow depths, actual results of some push probe sample results showed that could not be consistently assumed to indicate at least 180-200 ppm VOC in the subsurface. For example, VOC were not detected in push-probe-collected ground-water samples from MIP16-03 and MIP16-06 where there were very low to low range MIP ECD responses (Figures 2-4 and 2-6).

Comment 2.4 Shoreline Area

A more comprehensive sampling effort needs to be directed to the shoreline environment so that sufficient sediment and ground water and surface water samples are collected so as to provide a clearer picture of the site-related impacts to the nearshore environment.

Response— This will be addressed by the Navy during the preparation of the Phase II RI Work Plan.

Comment 3: This report should be combined with the HHRA and the SLERA into one document as the RI report generally includes a baseline human health and ecological risk assessment (40 CFR 300.430 (d)). Perhaps the Navy could re-name the documents to be separate volumes of a remedial investigation, if the Navy wants to save on the production costs of creating a combination document.

Response— The HHRA and the SLERA will be incorporated into the Phase I RI Report as appendices.

SPECIFIC COMMENTS

Several specific comments are provided. Many of the comments reflect areas in the report that generate the concerns and interpretations reflected in the general comments noted above. Grammatical or typographical errors, etc. were not identified.

Comment 1: ***Chapter 1, page 2 of 19, last paragraph:*** It is difficult to evaluate the elevations noted in the paragraph since the figure 1-3 has no scale. Please clarify the figure.

Response— The scale has been added.

Comment 2: ***Chapter 1, Page 5 of 19, 1st paragraph:*** No former floor drains were identified in Building 41, yet the asphalt floors are described as if they were a more recent modification. Is it possible that former floor drain locations have been covered by more recent asphalt ? Another detailed review of construction records and plans should be done to address this issue, as the EBS review may not have been that thorough.

Response— It is not understood where in the text "the asphalt floors are described as if they were a more recent modification." During the Phase I RI, floor plans (large drawings) were obtained from RIEDC, reviewed, and copies provided to EPA and RIDEM during a BCT meeting.

The following sentence will be clarified as shown: "Figure 1-4 illustrates the current understanding of the historical use of the building during 1951 to 1953 based on the above discussions during the Phase I RI and from historical floor plan drawings also obtained from RIEDC during the Phase I RI."

Comment 3: ***Chapter 1, Page 5 of 19, 2nd paragraph:*** *Building E-319 would appear to be an obvious* potential source area. Future efforts should address this area in a thorough manner.

Response— This does not seen obvious or justified based on Figure 4B of the Base Ground Water Inorganics Study Report for NCBC Davisville by Stone and Webster (September 1996), the direction of ground-water flow in the area of Building E-319 is southeast toward Narragansett Bay, not northeast toward Site 16.

Comment 4: ***Chapter 1, Page 5 and 6 of 19, and Figure 1-4:*** Several USTs were removed in and around Building 41 as part of other programs. However, additional confirmatory work is now called for. A large area is presently covered with asphalt where former Cosmolene tanks were removed. Also, a tank(s) associated with past solvent recovery operations was also removed, and is now covered with asphalt. Several soil borings are needed in each of these areas. Boring locations need to include and specifically target the former tank graves. Continuous split-spoon soil samples should be collected to the top of bedrock at all locations and analyzed for suspected contaminants. The former tanks located along the northern portion of the building, which acted as a cesspool (EBS RIA 81) may also bear further scrutiny as the sludge samples collected during the removal detected noteworthy TPH levels and work done under the EBS program was not as rigorous as work performed under the IR program.

Response— Three soil borings are planned for within Building 41 to assess the subsurface adjacent to the former vapor degreaser and Cosmolene tank backfilled pits (Figure A and Table 1). Additional borings and/or monitoring wells may be warranted pending assessment of the results of the three soil borings. In accordance with the Final Work Plan for the Phase I RI, these borings would be sampled continuously using split-barrel samplers, geological materials logged, soil sample headspace vapor measured, and 5-ft of core to confirm bedrock. As stated in the text, the sludge was removed from the EBS 81 tanks and the results of an EBS Program shallow ground-water sample from just downgradient detected only a trace of bis(2-ethylhexyl)phthalate. Only 0.4 μg/L 1,2-DCA and 0.1 μg/L naphthalene was detected in the sample from deep well MW16-11D located just downgradient from EBS 81. However, well MW16-11S is proposed for the Phase II RI to assess an elevated soil sample

headspace value (10-12 ft bgs) near water table (approximately 12 ft bgs) measured during the drilling of MW16-11D.

Comment 5: ***Chapter 2, Page 3 of 8, 2nd Paragraph, 4th and 5th Sentences:*** This paragraph states that "The ECD responses in the shallow interval (less than 15 ft. bgs.) were only trace to low, suggesting that a historical area of CVOC releases to ground surface had not been identified." This does not appear to be a valid interpretation of the observed data. Review of the data in Appendix C and J and summarized on Figure 2-4 strongly indicate that a past release to the ground surface had occurred within the Site 16 Area. The MIP screening procedure has a lower detection limit of approximately 160 to 200 parts per billion of TCE according to the Appendix. This would imply that any detection, even in the trace to very low range in site groundwater should have concentrations at least in that range. Many, if not most, of the MIP locations within the Site 16 main area had MIP ECD responses in the very low to low range at very shallow depths. The responses increased with depth, but at depths still above the bedrock. This suggests that contaminants had been released at the surface and over time had likely migrated into the subsurface. Given the length of time that has transpired since may of the operations had occurred at the site, it is likely that the very shallow soil CVOC contamination will have volatilized, if it was not flushed into the subsurface by infiltration.

Response— The interpretations, speculations, and opinions of EPA are noted. At the time of the Stage I MIP fieldwork when the extent of a silt layer(s) was not known, it was expected that if there were specific locations of historical surface releases of CVOC then there would be 'hot spots' with high MIP ECD responses in the upper 10-15 ft of a log. This was not observed, rather higher responses were detected at deep in the eastern portion of the Stage I area. The statements are true for the time of that work.

With regard for the statement, "Many, if not most, of the MIP locations within the Site 16 main area had MIP ECD responses in the very low to low range at very shallow depths ... MIP screening procedure has a lower detection limit of approximately 160 to 200 ppb of TCE," actual results of some push probe sample results showed that could not be consistently assumed. For example, VOC were not detected in push-probe-collected ground-water samples from MIP16-03 and MIP16-06 where there were very low to low range MIP ECD responses (Figures 2-4 and 2-6).

However, the following sentence will be reworded as shown: "The ECD responses in the shallow interval (less than 15 ft bgs) were only trace to low, suggesting that specific locations of historical surface releases of CVOC has not been identified."

Comment 6: ***Chapter 2, Page 3 of 8, 2nd Paragraph, 6th and 7th Sentences***: These sentences state that the observed ECD responses cannot be readily related to the site data and therefore, they must be due to an up-gradient, off-site source. However, several factors do not appear to have been considered during this assessment. The first is that in addition to an obvious past release of CVOC contaminants, the past groundwater flow patterns directly beneath the site may have been significantly different. Specifically, while the limited groundwater elevation data (temporal) and to some extent spatial, suggest a groundwater flow pattern to the northeast, during operation of the site, the recharge to the site was likely significantly higher. Currently, the site is heavily vegetated with a significant cover of deep-rooted vegetation including mature trees. Precipitation over this area at the present time is likely to result in comparatively low infiltration values due to high evapotranspiration. It has been reported that the site has been extensively worked by heavy equipment during past site operations, and it is likely that during fire fighting training, creosote dipping operations, etc. that the ground surface was essentially devoid of vegetation. Those conditions would have eliminated transpiration, limited runoff, and promoted increased infiltration. Therefore, given the high annual precipitation for the site, there is a high probability that the site was an area of significantly higher groundwater recharge and that there was semi-radial groundwater flow from the site to the north, east, and south for at least portions of the year. This could have driven contaminants to the south and east in addition to the north.

Another consideration is that the stratigraphy beneath the site indicates that the FFTA, in particular, appeared to have been situated over a high where bedrock, and the permeable sand and gravel unit sloped to the east and south as well as the north. While a lower permeability silt unit appeared to overly the sand and gravel unit, the silt layer appears to be discontinuous, especially in the vicinity of MW 16-01 and MW-02. Also, to be considered, while the silt layer may retard downward migration of contaminants, it has not been shown that the unit is impermeable or even of relatively low permeability.

A review of the rock coring logs and RQDs for bedrock throughout the site, also indicates that the interpreted highly weathered, fractured bedrock zone extends northward, directly through the central area of Site 16 including the suspected FFTA. MW 16-03D adjacent to Building E107 had the lowest RQD of all the rock cores, at 0%. The presentation of this data appears to have been ignored in the drawing of the shaded block areas on Figure 3-9. A line can be drawn from that location through the site including the FFTA location to MW 17D, which had an RQD of 19%. At a minimum, the highly fractured zone appears to be more of a wide, rectangular, area extending north to south rather than a linear northeast to southwest. However, the bedrock directly beneath the central area

of Site 16, including the FFTA and area to the southeast lack any rock cores from this investigation. Nonetheless, given the data presented in the Phase I Remedial Investigation, it is likely that the bedrock is highly fractured at that location as well. Therefore, contaminants migrating vertically downward from the central area of the site are likely to be transported into the fractured rock zone at that location. It should also be noted that Table 3-3 shows a downward component of groundwater flow for well pairs located along this north to south zone including MW 16-03S/D; MW 16-02S/D and D/R; and MW 16-25D/R.

Response— The interpretations, speculations, and opinions of EPA are noted. At the time of the Stage I MIP fieldwork when the extent of a silt layer(s) was not known, it was expected that if there were specific locations of historical surface releases of CVOC then there would be 'hot spots' with high MIP ECD responses in the upper 10-15 ft of a log. This was not observed, rather higher responses were detected at deep in the eastern portion of the Stage I area. The statements are true for the time of that work.

Regarding the RQD issue, this appears to be a hypothesis based on silence in the data; i.e., the lack of such data between Davisville Road and MW16-03. If this hypothesis were correct, then the deep CVOC plume would be expected to be detected in samples from MW16-03D, as was detected at MW16-05D. However, no CVOC were detected in the sample from MW16-03D. The additional deep (including a 5-ft core to confirm bedrock) and rock well locations proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeologic understanding and address this issue.

Comment 7: ***Chapter 2, Page 5 of 8, 1st and 2nd Paragraph:*** Slug tests should be conducted in MW16-04S and compared with pre-existing results to confirm well function and to verify whether or not well redevelopment efforts were successful. Also, it is not clear whether or not wells at which "no water level rise or drawdown was measured" represents operator or equipment error or extremely large hydraulic conductivities. Please clarify.

Response— Though MW16-04S has a low yield, it does recover after water has been removed. There are no pre-existing results to compare to as requested in the comment. The well was flushed out on 18 August 2000, developed by bailing on 7-8 February 2001, slug tested on 15 February 2001, and sampled on 21 March 2001.

Wells at which "no water level rise or drawdown was measured" represent large hydraulic conductivities.

Comment 8: ***Chapter 2, Page 6 of 8, 1st and last Paragraphs:*** The text lists several shortcomings of the MIP screening program (e.g., poor correlation with grain size data, inability to penetrate to target depths, etc.). Although the MIP effort was useful for screening, these deficiencies support the need for selective additional soil and/or ground water data to supplement the MIP data as requested in other comments on this document.

Response— Comment noted, but the comment is too general to be helpful to readily identify the 'other comments.'

Comment 9: ***Chapter 3, Page 4 of 12, Last Paragraph:*** At least one additional cross section should have been prepared. That cross section should extend from MW 16-03 to MW 28-04 to MW 16-21 to MW 16-17. The cross sections presented lack adequate representation of a north to south presentation of the site geology. Although a rock core does not appear to have been taken at well location 28-04, and the well was installed during a prior investigation, the data from that well should be incorporated into the cross section since it represents a portion of the site that is lacking data from this investigation.

Response— There is no such well as MW 28-04. It is assumed that the reviewer was referring to an EBS Program ground-water direct push sampling location 28-GW-04 for which there is no geological data below 18 ft below ground surface because of 'running' sand.

A cross section will be prepared to include MW16-03D, MW16-23D, MW16-21D, MW16-16D, and MW16-17D, plus the additional wells proposed for the Phase II RI that would be located along this cross section (Figure A and Table 1).

Comment 10: ***Chapter 3, Page 5 of 12, First Paragraph:*** This paragraph describes the fill material shown on the figures as being a reworked mix of silt, sand, and gravel with cobbles from construction and training activities. A review of Figure 3-3, Cross Section B-B', shows that this material comprises an extensive thickness along the area at which the former FFTA is located. The material is shown on other cross sections through the Site 16 area also. This material is likely to be highly permeable and promote infiltration, especially prior to establishment of a vegetation cover. Given the nature of the fill, a water balance including possible alteration of the groundwater elevations should be performed to assess possible changes to groundwater flow patterns during site operational activities.

Response— Because there is no specific historical data that could be input to such an assessment, the input would be gross assumptions and the output no more than

speculation for this small 8-9 acre portion of property located adjacent to a key point of shallow ground-water discharge, the harbor.

Comment 11: ***Chapter 3, Page 5 of 12, First Paragraph:*** This paragraph describes the fill material shown on the figures as being a reworked mix of silt, sand, and gravel with cobbles from construction and training activities. A review of Figure 3-3, Cross Section B-B', shows that this material comprises an extensive thickness along the area at which the former FFTA is located. The material is shown on other cross sections through the Site 16 area also. This material is likely to be highly permeable and promote infiltration, especially prior to establishment of a vegetation cover. Given the nature of the fill and the past site history, an assessment of possible changes to groundwater flow patterns during site operational activities should be carried out and considered prior to finalizing specific recommendations for additional monitoring well coverage. Please see general comment above, additional monitoring well coverage.

Response— This appears to be a duplicate comment from a different reviewer. Refer to the response to Comment 10.

Comment 12: ***Chapter 3, Page 6 of 12, 2nd Paragraph, 3rd Sentence from End:*** This sentence describes a northeast to southwest trending zone of more highly weathered and fractured bedrock. However, a review of Figure 3-9 and the rock coring data provided in Appendix D suggests that the trend is north to south over a wider area than a narrow, linear feature extending from northeast to southwest. Figure 3-9 should include a shaded bar over the 0% RQD location at MW 16-03D.

Response— This appears to be a hypothesis based on silence in the data; i.e., the lack of such data between Davisville Road and MW16-03. If this hypothesis were correct, then the deep CVOC plume would be expected to be detected in samples from MW16-03D, as was detected at MW16-05D. However, no CVOC were detected in the sample from MW16-03D. The additional deep (including a 5-ft core to confirm bedrock) and rock well locations proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeologic understanding and address this issue.

A shaded bar will be added to Figure 3-9 over the 0 percent RQD location at MW16-03D.

Comment 13: ***Chapter 3, Page 10 of 12, Shallow Ground Water Zone:*** It is not clear that the shallow groundwater flow regime has been defined. A review of Figure 3-10 shows that there are data gaps to the south and east of Building 41. There appears to be a groundwater divide, somewhere to the north of Building 41. It is not clear where the present groundwater flow directions are. One

interpretation is that shallow groundwater flow is to the southeast or possibly south across the footprint of Building 41 rather than to the east. Additional control points are needed to the south and east of building 41 (e.g., in the extensive "railroad" area generally between Ash and Elm Streets). Additionally, there is poor resolution of shallow groundwater flow up gradient and within the central area of Site 16. Control points are particularly needed in the central and southeastern portions of Site 16, and additional control would also be useful to the north and northwest. Please see also general comment above, additional monitoring well coverage.

Response— Based on Figure 4B of the Base Ground Water Inorganics Study Report for NCBC Davisville by Stone and Webster (September 1996), the direction of ground-water flow is similar to that interpreted for the Phase I RI. However, that data also extended across the old railroad spur and Building E-319 areas where the flow direction was interpreted to be east northeast (not toward the Stage I area of Site 16) and southeast, respectively. The additional well locations proposed for the Phase II RI in the Building 41 area, old railroad spur area, and central portion of the Stage I area (Figure A and Table 1) are anticipated to refine the hydrogeologic understanding. Also, piezometers PGU-Z4-03S/D have been repaired and resurveyed and will be included in future water level measurement events.

Comment 14: ***Chapter 3, Page 10 of 12, Deep Ground Water Zone:*** The deep groundwater flow patterns do not appear to have been adequately delineated. A review of Figure 3-11 indicates that the deep groundwater flow in the vicinity of Building 41 is to the southeast, not necessarily to the northeast. This represents a significant data gap. Additional control points are needed to the south and east of building 41 (e.g., in the extensive "railroad" area generally between Ash and Elm Streets).

Response— A change in the interpreted direction of ground-water flow does not by itself indicate a data gap. However, the following sentence will be revised as shown: "Based upon Figure 3-11, the interpreted ground-water flow direction in the deep zone is from the southwest toward the northeast beneath most of the investigation area, except beneath the central and western portion of Building 41 where the flow is interpreted to be toward the southeast."

The additional well locations proposed for the Phase II RI in this area (Figure A and Table 1) are anticipated to refine the hydrogeologic understanding. Also, piezometers PGU-Z4-03S/D have been repaired and resurveyed and will be included in future water level measurement events.

Comment 15: ***Chapter 3, Page 11 of 12, Rock Ground Water Zone***: The presentation of groundwater flow direction shown on Figure 3-12 is of limited value. The few groundwater elevations presented lie in a roughly straight line. There is little information to assess whether groundwater in the bedrock flows to or away from any location along that line. Additional bedrock monitoring locations orthogonal to this line are needed to understand groundwater flow in the bedrock.

Response— Additional monitoring wells completed in bedrock are planned for the Phase II RI (refer to Figure A and Table 1).

Comment 16: ***Chapter 3, Page 11 of 12, Hydraulic Testing:*** *Since the ranges in the hydraulic gradients are so* large, please make sense of it for me. Is the gradient in the west steeper than the south? Perhaps a figure would best describe a pattern, if there is any.

Response— It is assumed that the commentor meant hydraulic 'conductivities.' The large range in these values is assumed to be a reflection of the heterogeneity of the geological materials.

Comment 17: ***Chapter 4, Page 3 of 23, Section 4.5, Quality Control Summary:*** The acenaphthene at MW16-07S differences cannot be reflective of not homogenizing VOC samples. Please clarify.

Response— Agreed. The following will be added: "... and even the mixing of the material for the SVOC aliquot was not sufficient to overcome the heterogeneity."

Comment 18: ***Chapter 4, Page 8 of 23, Section 4.6.1.4, Pesticides and Polychlorinated Biphenyls:*** Figure 4-11 is not consistent with figure 4-10, please reconcile the differences.

Response— The commentor has not identified a specific issue to address. The figures have been reviewed, but no inconsistency was identified. Figure 4-10 illustrates detected PCB, while Figure 4-11 illustrates exceedances of RIDEM's Residential Direct Exposure Criteria.

Comment 19: ***Chapter 4, Page 10 of 23, Section 4.6.2, Sediment:*** The RIDEM regulatory values are not used appropriately in this section and in the section 4.6.1. Risks should be evaluated in the risk assessments and referenced in this section. In addition, RIDEM regs. indicate that the values are to be used to evaluate soils above the vadose zone. Sediments are, by definition, within the saturated zone. If the Navy's purpose is to note regulatory exceedances and not risks, sediments are inappropriately being evaluated. Evaluation of soils (above the vadose

zone) and groundwater for regulatory exceedances is appropriate in sections 4.6.1 and 4.7.

Response— It is not understood what is met by "...values are to be used to evaluate soils above the vadose zone." There should be no soil above the vadose zone. For sediment, reference to RIDEM Residential Direct Exposure Criteria will be replaced with reference to RIDEM GA Leachability Criteria. The intent was not to assess risk, but to provide a context for extent.

Comment 20: ***Chapter 4, Page 12 of 23, Section 4.7.1.1, Last Sentence:*** The data suggests that this statement is not correct. As discussed in comments to Chapter 2, Page 3, there is evidence that a source area exists/existed within the Site 16 Stage 1 Area, shallow groundwater zone. The MIP ECD results, probe groundwater sample results, and the previous groundwater results within the Site 16 central area obtained during the Study Area 16 investigation, 1999, indicate a release of CVOC contaminants occurred within this area.

Response— What was meant was that no near surface CVOC 'hotspot' was detected that would identify a specific release location. The referenced sentence will be reworded as follows: "These data suggest that a near surface CVOC 'hotspot' was not detected that would identify a specific release location for the CVOC plume in the deep ground-water zone was not encountered in this portion (Stage 1) of the Site 16 Phase I RI study area."

Comment 21: ***Chapter 4, Page 12 and 13 of 23, Section 4.7.1.2, Paragraph 2:*** The interpretations provided in this section are not conclusively supported, especially to the exclusion of a source within the Site 16 central area or to the south/southeast of Building 41. This section states that the highest CVOC concentrations in groundwater were detected at MW 16-14D and MW 16-15D, near Building 41. However, that ignores the probe groundwater sample taken to the southeast of the FFTA (MIP 16-24) where TCE was detected at a concentration of 5,300 µg/L at a depth of 47 feet below the ground surface. This section presumes that the observed CVOC contamination in the deep overburden wells originates from a source beneath Building 41 where it migrated vertically to the underlying sand and gravel layer and from there toward the northeast. However, as discussed in previous comments, the contamination could just as well have originated from the central Site 16 area with the same vertical migration into the weathered, fractured rock and deep overburden. Contaminants including DNAPL previously lost to the weathered, fractured bedrock zone may manifest itself in the overlying, deep overburden groundwater. This inferred plume may exist in the deep, overburden and/or fractured bedrock beneath the central portion of Site 16; however, there is an absence of deep and bedrock monitoring wells within this area.

***Response*—** The interpretations, speculations, and opinions of EPA are noted. Refer to the response to Comment 25.

The available data do not indicate the presence of DNAPL.

The additional soil boring, well, and well cluster locations proposed for the Phase II RI in these areas (Figure A and Table 1) are anticipated to refine the hydrogeology, nature and extent of the VOC plume, and potential source (release) areas.

The following sentences will be reworded as shown: "In general, Figures 4-31, 4-32, and 2-6 show that the highest total CVOC and TCE concentrations were detected in the samples collected from MW16-14D and MW16-15D both located near the northeast corner of Building 41 and at MIP16-24 located in the southeast corner of the Stage I area. West and south from these general locations the... Additionally, this plume coincides well with a multiple-release-event source area beneath some portion of Building 41, plus release from the central portion of the Stage I area, that has migrated down ward into the gravelly sand deposits above competent bedrock, and then, laterally..."

Comment 22: ***Chapter 4, Page 12 and 13 of 23, Section 4.7.1.2, Paragraph 3:*** This paragraph states that it has been 50 years since the potential release of CVOC beneath Building 41. A review of the hydraulic gradients and hydraulic conductivity values for the deep, overburden wells shown on Tables 3-2 and 3-4 suggest that the groundwater velocity along the presumed preferential direction of groundwater flow from beneath Building 41 is very high, approximately 3 feet, or more, per day. Since there is also very little organic carbon in those deposits as indicated by the results shown on Table 4-2, there appears to be little potential for retardation of the released contaminants. Therefore, given the solubility of TCE and the groundwater flushing velocity, and the elapsed time of almost 50 years, a significantly large mass of TCE as DNAPL would likely have had to have been released beneath Building 41 in order to support the observed concentrations. If this were the case, evidence of that contamination should be observable at other locations including the down slope bedrock direction to the west and northwest of Building 41 and shallow groundwater. Another scenario which is perhaps more likely would be that a more recent release of TCE has occurred south or southeast of Building 41, or within the central Site 16 area, that may have migrated to and spread along the identified bedrock fracture zone. All of these scenarios (and perhaps others) are still possible given the current data. Future data collection efforts should be designed such as to further refine the conceptual model of the location, nature and extent of the release(s).

Response— The interpretations, speculations, and opinions of EPA are noted. The additional soil boring, well, and well cluster locations proposed for the Phase II RI in these areas (Figure A and Table 1) are anticipated to refine the hydrogeology (including the configuration of the bedrock surface beneath Building 41), nature and extent of the VOC plume, and potential source (release) areas.

Comment 23: ***Chapter 4, Page 15 of 23, Section 4.7.2.1 & 4.7.3.1, Shallow (S) Groundwater Zone:*** Please evaluate the apparent discrepancy of widespread contamination in soils but low values in groundwater in the Site 16 Stage 1 area.

Response— The 'discrepancy' issue is not apparent from this general comment. Section 4.7.2.1 is related to SVOC of which there are very few detections in soil (Figures 4-3 and 4-4, and Section 4.6.1.2 that would not seem to support a conclusion of 'widespread contamination in soils.' Section 4.7.3.1 is related to PAH and although PAH were detected in several soil samples, PAH typically have very low solubility, but high affinity for soil.

Comment 24: ***Chapter 4, Page 20 of 23, Section 4.9.1, First Paragraph:*** The data presented in this report does not support the interpretations made that a significant past release of CVOC contamination has not occurred within the FFTA, and/or is overshadowed by a CVOC plume migrating from beneath Building 41. The MIP ECD results and prior groundwater sampling results (Study Area 16-1999) strongly indicate the past release of TCE at the surface/shallow groundwater within the Site 16 Stage 1 area.

Response— Based on the current data the referenced sentence is still believed to be acceptable as is: "The potential contribution from this historical site use activity to the CVOC detected in deep ground-water appears to be over shadowed by the deep CVOC plume that appears to have migrated northeast from beneath some portion of Building 41 (EBS Review Item 29)." What was meant was that no near surface CVOC 'hotspot' was detected that would identify a specific release location. Additionally, because the CVOC plume in deep ground water extended upgradient (southwest) to the northeast end of Building 41, it seemed logical that historical activities in the Building 41 area had provided at least a key contribution (4,907 to 6,405 μg/L total CVOC) to the plume.

Consideration of the EBS program October 1998 push probe ground-water sample results adds the presence of vinyl chloride (up to 10 μg/L) at four locations in the central and north central portions of the Stage I area of the investigation. Consideration of the Phase I RI MIP (April-May 2000) push probe ground-water sample results suggests the presence of an intermediate overburden ground-water interval just below the shallow well screens and above

a probable silt lens where total 1,2-DCE, (15-255 μg/L), TCE (ND- 6 μg/L), and vinyl chloride (9-14 μg/L) were detected. These are assumed to be the remainder of migration of CVOC flushed from historical surficial releases of unknown volume and specific location along a pathway downward to the deep overburden zone where currently detected (March 2001) total CVOC concentrations range from 2,107-5,355 μg/L. Whether those historical surficial release(s) were PCE, TCE, 1,2-DCE, or some combination is not known.

Comment 25: ***Chapter 4, Page 20 of 23, Section 4.9.1, 3rd Paragraph:*** Although elevated concentrations of CVOCs were detected in groundwater near Building 41, the information presented does not strongly support that interpretation. There may be a source beneath Building 41. However, the groundwater flow patterns shown, MIP ECD results for the vicinity, groundwater flushing potential, and the highly fractured bedrock zone that likely extends north to south beneath the central Site 16 area, suggests that there are other possible source areas. These include a release at the former railroad spur area, or the vicinity of the suspected FFTA.

Response— The interpretations, speculations, and opinions of EPA are noted. The specific locations of the historical CVOC releases that have resulted in the PPM-range concentration plume currently detected in the deep overburden and bedrock zones could include areas within the EBS 28 and old railroad spur areas, and Building 41. However, the timing and volumes of such contributions is unknown. Further, based on Figure 4B of the Base Ground Water Inorganics Study Report for NCBC Davisville by Stone and Webster (September 1996), the direction of ground-water flow is similar to that interpreted for the Phase I RI. However, that data also extended across the old rail road spur and Building E-319 areas where the flow direction was interpreted to be east northeast (not toward the Stage I area of Site 16) and southeast, respectively. The additional soil boring, well, and well cluster locations proposed for the Phase II RI in these areas (Figure A and Table 1) are anticipated to be sufficient to complete assessment the hydrogeology and nature of the VOC plume and potential source areas.

Comment 26: ***Chapter 4, Page 22 and 23 of 23, Section 4.9.3:*** This interpretation of CVOC release is, at best, incomplete. Data provided in this report does not rule out other potential source areas, and does not strongly support the interpretation of a release beneath Building 41. The more likely release may have occurred to the south of Building 41. At that location, depending upon the actual delineation of shallow and deep groundwater flow directions, the contamination migrated to the east and northeast, subsequently migrating downward at the location noted above where there is an absence of the silt layer. This would account for the elevated MIP ECD readings noted at the shallow to intermediate soil elevations,

and the elevated TCE noted in the deep, overburden wells. The release most likely occurred long after 1953 and may explain the continued observation of the contaminants given the observed groundwater velocity. Additionally, it is just as likely that the observed CVOC contamination originally was generated from the central Site 16 area. During past site operations, the likely highly infiltration rates would have driven contamination to depth that may have allowed migration into/along the highly fracture bedrock zone that appears to be present beneath the central portion of the Site 16 area. DNAPL contamination in the bedrock would likely result in observed contamination in the deep overburden groundwater above the zone of fractured rock.

Response— The interpretations, speculations, and opinions of EPA are noted. Refer to the response to Comment 25.

The available data do not indicate the presence of DNAPL.

Comment 27: ***Chapter 5, Page 6 of 11, Section 5.3:*** Nature and Extent of Contamination in Soil: EPA is concerned with the amount of CVOC daughter products that have been found in the shallow groundwater and seep. The Navy may want to evaluate the removal of a limited amount of PAH and Lead contaminated soils to reduce the possibility that the TCE in groundwater would biodegrade. In addition, EPA welcomes the Navy's commitment to evaluate possible sources in building 41 that may be contributing to the TCE and its daughter products found across the site. Surface and sub-surface soil samples will be required to be evaluated for human health risk and compliance with standards, since contamination is suspected in areas other than the Creosote Dip Tank area where the only risk related soil samples were gathered.

Response— The Navy will evaluate the removal of a limited amount of PAH and lead-contaminated soils in the Stage I area, but not for the rationale provided in the comment unless a connection can be established between the low solubility PAH typically detected in vadose zone soil and the deep ground water where the CVOC (TCE) plume has been detected. TCE has not been detected above 6 μg/L in the shallow and intermediate zones of the Stage I area.

The need for and locations of additional surface and sub-surface soil samples will be discussed during preparation of the Phase II RI Work Plan Addendum.

Comment 28: ***Chapter 5, Page 6 of 11, Section 5.4, Nature and Extent of Contamination in Sediment:*** EPA believes that the Navy should evaluate the possible future human health risk due to exposure to sediments, as the area will be used for recreation. The ERA concluded that there are possible ecological risks. Therefore, additional sediment tests and possibly toxicity tests will be required

to fully evaluate the human health and ecological risks from site contamination. Please change the recommendations.

Response— The need for and locations of additional sediment sampling and testing will be discussed during preparation of the Phase II RI Work Plan Addendum.

Comment 29: ***Chapter 5, Page 6 of 11, Section 5.4, Nature and Extent of Contamination in Groundwater:*** This section ignores the data gathered in previous investigations and therefore paints a distorted picture of the site contamination. Please incorporate the data, at least in a qualitative manner.

Response— The EBS program and Phase I RI MIP push probe ground-water sample results (Figure 5-5 of Appendix A and Figure 2-6, respectively) were considered in the positioning of the total CVOC concentration contours for Figure 4-31 (deep ground-water zone) and so a distorted picture is not painted.

The following will be added to the shallow ground-water interval subsection: Consideration of the EBS program October 1998 push probe ground-water sample results adds the presence of vinyl chloride (up to 10 µg/L) at four locations in the central and north central portions of the Stage I area of the investigation. Consideration of the Phase I RI MIP (April-May 2000) push probe ground-water sample results suggests the presence of an intermediate overburden ground-water interval just below the shallow well screens and above a probable silt lens where total 1,2-DCE, (15 to 255 µg/L), TCE (ND to 6 µg/L), and vinyl chloride (9 to 14 µg/L) were detected. These are assumed to be the remainder of migration of CVOC flushed from historical surficial releases of unknown volume and specific location along a pathway downward to the deep overburden zone where currently detected (March 2001) total CVOC concentrations range from 2,107 to 5,355 µg/L.

Comment 30: ***Figure 3-2, Geologic Cross Section A-A':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking in the MW16-26D and MW16-28D/R areas. Also, soil and ground water data is not available in the mid-level portion of the overburden aquifer in the key shoreline location at MW16-04D/S.

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Based on the current data, the Navy feels that with respect to Site 16, monitoring of the CVOC plume in the deep overburden or bedrock is sufficient for the MW16-26 and MW16-28 areas. MW16-26 is located up gradient of MW16-03S where no VOC were detected. Shallow, intermediate, deep, and/or rock depth interval wells are proposed for the Phase II RI for the reasons stated in Table 1 at

locations MW16-06, R, S, MW16-04, and MW16-05, plus a deep well at location U, as shown on Figure A.

Comment 31: ***Figure 3-3, Geologic Cross Section B-B':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking in the MW16-26D, MW16-29D, and MW16-27D/R areas.

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Based on the current data, the Navy feels that with respect to Site 16, monitoring of the CVOC plume in the deep overburden or bedrock is sufficient for the MW16-26 and MW16-27 areas. MW16-26 is located upgradient of MW16-03S where no VOC were detected. Shallow, intermediate, deep, and/or rock depth interval wells are proposed for the Phase II RI for the reasons stated in Table 1 at locations MW16-06, N, O, and P, plus a deep well at location T, as shown on Figure A.

Comment 32: ***Figure 3-4, Geologic Cross Section C-C':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking in the MW16-13D, MW16-11D,MW16-08D and MW16-20D areas. Also, soil and ground water data is not available in the mid-level portion of the overburden aquifer in the MW16-02 D/S/R area where the overburden aquifer is particularly thick as well as complex.

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Shallow or intermediate depth wells are proposed for the Phase II RI for the reasons stated in Table 1 at locations MW16-13, MW16-11, K, MW16-02, and MW16-20, plus a deep well at location J, as shown on Figure A.

Comment 33: ***Figure 3-5, Geologic Cross Section D-D':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking for the upper 50 feet or so of overburden aquifer over the majority of the area represented by the section line (e.g., MW16-10D/R, MW16-12D, MW16-14D, MW16-15D/R, MW16-21D, MW-16-23D, MW16-29D, MW16-28D/R areas). Also, soil and ground water data is not available in the mid-level portion of the overburden aquifer in the MW16-02 D/S/R area where the overburden aquifer appears to be particularly thick as well as complex.

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Based on the current data, the Navy feels that with respect to Site 16, monitoring of the

CVOC plume in the deep overburden and bedrock is sufficient for the MW16-28 area. Three soil borings through the overburden with 5-ft coring to confirm bedrock are planned to assess the subsurface at the backfilled former vapor degreaser and Cosmolene tank 'pits' in Building 41, and approximately midway between the backfilled former Cosmolene tank 'pit' and wells MW16-14D and MW16-15D where CVOC has been detected in samples from the deep overburden ground-water (GW) zone. Pending results of the boring, monitoring well/cluster location(s) would be proposed. Intermediate depth wells are proposed for the Phase II RI for the reasons stated in Table 1 at locations MW16-14, MW16-21, MW16-02, M (shallow and deep wells), and MW16-05 as shown on Figure A.

Comment 34: ***Figure 3-6, Geologic Cross Section E-E':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking for the upper 50 feet or so of overburden aquifer over the majority of the area represented by the section line (e.g., MW16-17D/R, MW16-18D, MW16-19D, MW16-20D, MW16-27D/R, MW16-28D/R areas). Also, soil and ground water data is not available in the mid-level portion of the overburden aquifer in the MW16-17D area where the overburden aquifer appears to be complex as well as potentially proximal to a potential release area. Additional coverage, including the bedrock aquifer, would be particularly useful here.

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Based on the current data, the Navy feels that with respect to Site 16, monitoring of the CVOC plume in the deep overburden and bedrock is sufficient for the MW16-27 and MW16-28 area. Shallow and/or intermediate depth wells are proposed for the Phase II RI for the reasons stated in Table 1 at locations MW16-17, F, MW16-18, MW16-19, and MW16-20, plus deep and rock wells at locations G, V, and W, as shown on Figure A.

Comment 35: ***Figure 3-7, Geologic Cross Section F-F':*** The cross section illustrates a number of areas where basic data gaps exist. For example, shallow soil/ground water data is lacking for the upper 50 feet or so of overburden aquifer over the majority of the area represented by the section line (e.g., MW16-26D, MW16-22D, MW16-21D, MW16-25D/R, MW16-19D areas).

Response— In general, the lack of shallow and/or intermediate depth monitoring wells on this cross section, by itself, does not indicate or justify the need for such. Based on the MIP16-S10 log where there was a mid-level ECD response about 28-50 ft bgs, an intermediate depth well (I-I, Figure A) is proposed between MW16-16D and MW16-25D. Additionally, intermediate depth wells are

proposed for the Phase II RI for locations MW16-21, -22, and –25, plus a deep well at location J for the reasons stated in Table 1.

Comment 36: ***Figures 4-12 and 4-19:*** Shallow soils data as well as sediment data suggest an association of arsenic and beryllium, both of which are locally elevated with respect to standards. What is the suspected cause and implications of this occurrence?

Response— The Navy is not aware of a particular historical use of the site that would have introduced arsenic and beryllium. The cause may be background, but cannot be stated with certainty. However, Alkhatib and O'Conner (1998) reported that the occurrence of arsenic, barium, beryllium, chromium, copper, lead, nickel, and zinc in Rhode Island soils is more likely the result of nature.

TABLE 1 PROPOSED SOIL BORINGS AND MONITORING WELLS FOR PHASE II REMEDIAL INVESTIGATION AT SITE 16 FORMER NCBC DAVISVILLE FACILITY, NORTH KINGSTOWN, RHODE ISLAND

Boring/Well Designation	Zone to be Screened	Purpose / Rationale
SB16-A	Soil Borings (no well screen)	Assess subsurface adjacent to the backfilled former vapor degreaser 'pit' in Building 41. Pending results of the boring, monitoring well/cluster location(s) would be proposed.
SB16-B		Assess subsurface adjacent to the backfilled former Cosmolene tank 'pit' in Building 41. Pending results of the boring, monitoring well/cluster location(s) would be proposed.
SB16-C		Assess the subsurface approximately midway between the backfilled former Cosmolene tank 'pit' in Building 41 and wells MW16-14D and MW16-15D where CVOC has been detected in samples from the deep overburden GW zone. Pending results of the boring, monitoring well/cluster location(s) would be proposed.
MW16-11S	Shallow Overburden (S)	Assess elevated soil sample headspace value (10-12 ft bgs) near water table (approximately 12 ft bgs) in Building 41 area.
MW16-17S		Assess elevated soil sample headspace value (6-8 ft bgs) near water table (approximately 7.5 ft bgs) in the old rail road spur area.
D-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Elm Street in the old railroad spur area approximately 200 ft south of MW16-12D where 21 µg/L total CVOC detected. Also, located potentially downgradient from Building 41.
E-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area at the former MIP16-S22 location where there was a very low ECD response about 10-11.5 ft bgs. Also, located potentially downgradient from Building 41.
F-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area. Also, located potentially downgradient from Building 41.
G-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area.
H-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Low Street in the old railroad spur area at the former SB16-29 (55 µg/Kg TCE detected in soil sample from 20-22 ft bgs) and MIP16-S21 locations. Also, located potentially downgradient from Building 41.
L-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-11 location where there was a very low to low ECD response about 6-17 ft bgs.
M-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-17 location where there was a low ECD response about 5-49 ft bgs and where 9 µg/L vinyl chloride and 15 µg/L total 1,2-DCE detected in push probe sample 12 ft bgs.
N-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the southwest corner of the suspected former FFFTA south of the former EBS 28-GW-04 location where 10 µg/L vinyl chloride detected in push probe sample 7-9 ft bgs.
O-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) southeast of the suspected FFFTA at the former MIP16-15 location where there was a trace? ECD response about 6-17 ft bgs and where 11 µg/L vinyl chloride and 230 µg/L total 1,2-DCE detected in push probe sample 17 ft bgs.
P-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) within the suspected FFFTA north of the former MIP16-12 location where there was a low and very low ECD response about 6-8 and 15-19 ft bgs, respectively, and where 14 µg/L vinyl chloride and 255 µg/L total 1,2-DCE detected in push probe sample 17 ft bgs.

Boring/Well Designation	Zone to be Screened	Purpose / Rationale
Q-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) northeast of the suspected FFFTA at the former MIP16-14 location where there was a very low ECD response about 6-9 and 14-16 ft bgs and north of the former EBS 28-GW-05 location where 3 µg/L vinyl chloride detected in push probe sample 8-10 ft bgs.
R-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in northern portion of the former creosote dip tank area at the former MIP16-05 location where there was a very low to low ECD response about 3.5-12 ft bgs.
S-S		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) between Building E-107 and Seep 01 at the former MIP16-30 location where there was a trace ECD response about 2-3 ft bgs.
MW16-02I	Intermediate Overburden (I)	Assess intermediate overburden GW interval (direction of GW flow and VOC presence) between silt layers where there was elevated soil sample headspace values (32-36.5 ft bgs).
MW16-04I		Assess intermediate overburden GW interval (direction of GW flow and VOC presence) where silt layers were not encountered, but where there was elevated soil sample headspace value (28-30 ft bgs).
MW16-05I		Assess intermediate overburden GW interval (direction of GW flow and VOC presence) between the shallow and deep overburden screened intervals and above the deeper 2 silt layers where there was elevated soil sample headspace values (21-36 ft bgs).
MW16-13I		Assess intermediate overburden GW interval (VOC presence) just north of the former vapor degreasing pit in Building 41 and above the top of the 2 silt layers that is at 34 ft bgs (no elevated soil sample headspace values).
MW16-14I		Assess intermediate overburden GW interval (VOC presence) 26-36 ft bgs southeast of Building 41 where there appears to be a gap in the silt layers, although there were no elevated soil sample headspace values.
MW16-16I		Assess intermediate overburden GW interval (VOC presence) east of Building 41 in the old railroad spur area at 32-42 ft bgs, above the top of the 2 silt layers that is at 42 ft bgs; although there were no elevated soil sample headspace values.
MW16-17I		Assess intermediate overburden GW interval (VOC presence) in the old rail road spur area 30-40 ft bgs which is just above the deepest silt layer
MW16-18I		Assess potential downward migration of CVOC through the intermediate overburden GW interval (24-34 ft bgs) in the old rail road spur area where there appears to be a gap in the silt layers, although there were slightly elevated soil sample headspace values.
MW16-19I		Assess intermediate overburden GW interval (VOC presence) in the old rail road spur area 26-36 ft bgs which is within the thick sand and silt interval, but just above the deepest silt layer. There was no significant MIP ECD response at this well location. MW16-19D is a location where the eastern extent of the deep CVOC plume has not encountered.
MW16-20I		Assess intermediate overburden GW interval (24-34 ft bgs) just above the sand and silt interval. There were no elevated soil sample headspace values at this well location. MW16-20D is an eastern location where only 1 µg/L of total CVOC was detected.
MW16-21I		Assess the intermediate overburden GW interval (26.5-36.5 ft bgs) just above the silt layer. There was no significant MIP ECD response in this depth interval. However, there were slightly elevated soil sample headspace values. MW16-21D is a location where 1,904 µg/L of total CVOC was detected.
MW16-22I		Assess the intermediate overburden GW interval (33-43 ft bgs) just above the silt layer. There was mid-level MIP ECD response beginning at 42.5 ft bgs and continuing into the 4-ft thick silt layer. Additionally, there were slightly elevated soil sample headspace values in the underlying silt layer. MW16-22D is a location where 2,611 µg/L of total CVOC was detected.
MW16-24I		Assess the intermediate overburden GW interval (18-28 ft bgs) just above the silt layer. There was no significant MIP ECD response and no elevated soil sample headspace values within this depth interval.
MW16-25I		Assess intermediate overburden GW interval (VOC presence) east of Building 41 in the old railroad spur area at 32-42 ft bgs, within a silty sand interval and where there were slightly elevated soil sample headspace values. At this well location there is no deep silt layer present to separate the intermediate and deep overburden GW intervals. MW16-25D is a location where 894 µg/L of total CVOC was detected.

Boring/Well Designation	Zone to be Screened	Purpose / Rationale
D-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Elm Street in the old railroad spur area approximately 200 ft south of MW16-12D where 21 µg/L total CVOC detected. Also, located potentially downgradient from Building 41.
E-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area at the former MIP16-S22 location where there was a trace. ECD response about 24.5-30 ft bgs. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
F-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
G-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
H-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Low Street in the old railroad spur area at the former SB16-29 (280 µg/Kg TCE detected in soil sample from 32-34 ft bgs) and MIP16-S21 locations. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
I-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Birch Street in the old railroad spur area at 32-42 ft bgs between MW16-16I and MW16-25I and at the former MIP16-S10 location where there was a mid-level ECD response about 28-50 ft bgs.
K-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-10 location where there was trace PID response about 24-28 ft bgs.
L-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-11 location where there was a very low to low ECD response about 20-29 ft bgs.
M-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-17 location where there was a low ECD response about 5-49 ft bgs.
N-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the southwest corner of the suspected FFFTA.
O-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) southeast of the suspected FFFTA at the former MIP16-15 location where there was a trace? ECD response about 34-46+ ft bgs.
P-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) within the suspected FFFTA north of the former MIP16-12 location where there was a low ECD response about 29-45 ft bgs.
Q-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) northeast of the suspected FFFTA at the former MIP16-14 location where there was a very low to low ECD response about 26-50+ ft bgs.
R-I		Assess intermediate overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in northern portion of the former creosote dip tank area at the former MIP16-05 location where there was a very low to low ECD response about 35-36+ ft bgs.
S-I		Assess shallow overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) between Building E-107 and Seep 01 at the former MIP16-30 location where there was a trace ECD response about 23-29 ft bgs.

Boring/Well Designation	Zone to be Screened	Purpose / Rationale
D-D	Deep Overburden (D)	Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Elm Street in the old railroad spur area approximately 200 ft south of MW16-12D where 21 µg/L total CVOC detected. Also, located potentially downgradient from Building 41.
E-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area at the former MIP16-S22 location where there was a trace? ECD response about 24.5-30 ft bgs. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
F-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
G-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Dogwood Street in the old railroad spur area. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
H-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) along Low Street in the old railroad spur area at the former SB16-29 location (280 µg/Kg TCE detected in soil sample from 32-34 ft bgs) and MIP16-S21 where there was no significant ECD response 34-42. Also, located potentially downgradient from Building 41. Assess the extent of the gap in the silt layers encountered at MW16-14D and MW16-18D.
J-D		Assess the hydrogeology and extent of the CVOC plume in the deep overburden GW interval 500 ft east of MW16-19D where 390 µg/L total CVOC was detected.
L-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-11 location where there was no significant ECD response about 29-41.9 ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
M-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the Stage I RI area at the former MIP16-17 location where there was a low ECD response about 5-49 ft bgs and where 470 µg/L TCE and 3 µg/L total 1,2-DCE detected in push probe sample 49 ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
N-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in the southwest corner of the suspected FFFTA south of the former EBS 28-GW-04 location where 570J µg/L TCE detected in push probe sample 42-44 ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
O-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) southeast of the suspected FFFTA at the former MIP16-15 location where there was a trace? ECD response about 34-46+ ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
P-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) within the suspected FFFTA north of the former MIP16-12 location where there was a low to mid-level ECD response about 47-49+ ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
Q-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) northeast of the suspected FFFTA at the former MIP16-14 location where there was a very low to low ECD response about 26-50+ ft bgs and north of the former EBS 28-GW-05 location where 210 µg/L TCE detected in push probe sample 44-46 ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.
R-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) in northern portion of the former creosote dip tank area at the former MIP16-05 location where there was a very low to low ECD response about 35-36+ ft bgs. Also, assess the quality of the bedrock between Davisville Road and MW16-03D.

Boring/Well Designation	Zone to be Screened	Purpose / Rationale
S-D		Assess deep overburden GW interval (silt layer[s] presence, direction of GW flow, and VOC presence) between Building E-107 and Seep 01 at the former MIP16-30 location where there was a trace ECD response about 37+ ft bgs.
T-D		Assess the hydrogeology and extent of the CVOC plume in the deep overburden GW interval 500 ft east of MW16-27D where 321 µg/L total CVOC was detected.
U-D		Assess the hydrogeology and extent of the CVOC plume in the deep overburden GW interval 500 ft east of MW16-28D where 121 µg/L total CVOC was detected.
V-D		Assess the hydrogeology and extent of the CVOC plume in the deep overburden GW interval 500 ft northeast of MW16-05D where 2,208 µg/L total CVOC was detected.
W-D		Assess the hydrogeology and extent of the CVOC plume in the deep overburden GW interval 500 ft northeast of location V-D.
MW16-05R	Shallow Bedrock (R)	Assess the hydrogeology and the nature of the CVOC plume in the shallow bedrock GW interval in the northeastern portion of the investigation area beneath MW16-05D where 2,208 µg/L total CVOC was detected.
MW16-06R		Assess the hydrogeology and extent of the CVOC plume in the shallow bedrock GW interval in the northwestern portion of the investigation area.
G-R		Assess the hydrogeology and extent of the CVOC plume in the shallow bedrock GW interval in the southeastern corner of the investigation area.
O-R		Assess the hydrogeology and the nature of the CVOC plume in the shallow bedrock GW interval just southeast of the suspected FFFTA.
V-R		Assess the hydrogeology and extent of the CVOC plume in the shallow bedrock GW interval 500 ft northeast of MW16-05D where 2,208 µg/L total CVOC was detected.
W-R		Assess the hydrogeology and extent of the CVOC plume in the shallow bedrock GW interval 500 ft northeast of location V-D.
MW16-02R2	Deeper Bedrock (R2)	Assess the hydrogeology and the nature of the CVOC plume in the deeper bedrock GW interval beneath MW16-02R where 3,110 µg/L total CVOC was detected.
MW16-05R2		Assess the hydrogeology and the nature of the CVOC plume in the deeper bedrock GW interval beneath MW16-05D where 2,208 µg/L total CVOC was detected.
MW16-15R2		Assess the hydrogeology and the nature of the CVOC plume in the deeper bedrock GW interval beneath MW16-15R where 4,710 µg/L total CVOC was detected.

1. Soil sample headspace data from the related boring logs in Appendix D of the October 2001 Draft Site 16 Phase I RI Report.
2. Referenced silt layer(s) presence based on data from Figures 3-1 through 3-7, plus related boring logs in Appendix D, of the October 2001 Draft Site 16 Phase I RI Report.
3. EBS push probe-collected GW sample data from Figure 5-5 in Appendix A of the October 2001 Draft Site 16 Phase I RI Report.
4. MIP ECD response data from Figure 2-4 of the October 2001 Draft Site 16 Phase I RI Report.
5. MIP push probe-collected GW sample data from Figure 2-6 of the October 2001 Draft Site 16 Phase I RI Report.
6. Low-flow collected GW samples from monitoring wells' data from Figures 4-21 (shallow), 4-31 (deep), and 4-34 (rock) in October 2001 Draft Site 16 Phase I RI Report.

Boring/Well Designation	Zone to be Screened	Purpose / Rationale

NOTE:
- CVOC = Chlorinated Volatile Organic Compounds (total detected).
- 1,2-DCE = 1,2-Dichloroethene.
- EBS = Environmental Baseline Survey.
- ECD = Electron Capture Detector.
- FFFTA = Former Fire Fighting Training Area.
- Ft bgs = Feet below ground surface.
- GW = Ground water.
- Kg = Kilogram
- MIP = Membrane Interface Probe.
- RI = Remedial Investigation.
- TCE = Trichlorethene.
- µg/L = Micrograms per liter.
- VOC = Volatile organic compound.

RESPONSES TO RIDEM'S COMMENTS TO THE PHASE I REMEDIAL INVESTIGATION REPORT PROGRAM SITE 16 (FORMER CREOSOTE DIP TANK AND FIRE FIGHTING TRAINING AREA) NAVAL CONSTRUCTION BATTALION CENTER DAVISVILLE, RHODE ISLAND

Comment 1: Table 4-2, VOC Detected in Soil Samples - For Wells MW16-07S, MW16-07 dup., MW16-14D, and SB16-28 the detection limit for 1,1,-Dichloroethene and Vinyl Chloride are above the RIDEM residential direct exposure criteria. The Navy will need to resample to determine if there is an exceedance of these compounds at these locations. This could determine whether a residential deed restriction is required at these locations or some form of remediation is required.

Response— Soil sample MW16-14D was collected from 57.5 to 59.5 ft below ground surface (bgs) and is deeper than the RIDEM residential direct exposure criteria considers. The remaining samples were collected from 5 to 7 ft bgs (MW16-07S and MW16-07 dup) and 4 to 6 ft bgs (SB16-28) where elevated concentrations of other compounds have resulted in the increased detection limits. Resampling would not be expected to change the detection limits for samples from these locations.

Comment 2: General Comment – Deep groundwater wells MW16-04D and MW16-05D have total CVOC concentrations of 567 and 2,308 μg/l, respectively. MW16-28D also has a CVOC concentration of 120 μg/l. All these wells are within 200 feet of Allen Harbor and represent the closest groundwater well locations to Allen Harbor. Based on these results it will need to be determined if contamination has entered Allen Harbor from this plume.

Response— This was assessed during the Phase I RI and the conclusion was stated in Chapter 5 of the Draft Phase I RI report on page 8 of 11 as follows: "...The Phase I RI data indicate that this TCE plume is about 35 to 50 ft bgs and does not discharge to the southern portion of Allen Harbor that is adjacent to the Site..."

Comment 3: General Comment – The groundwater under IR Site 16 is classified as GB. Allen Harbor is classified as SA. When dealing with sediments, RIDEM uses the GA Leachability criteria, not the Residential Direct Exposure Criteria. Section 4.6.2 states RIDEM Direct Exposure Criteria are used for comparative purposes. Please revise accordingly.

Response— For sediment, reference to RIDEM Residential Direct Exposure Criteria will be replaced with reference to RIDEM GA Leachability Criteria.

Comment 4: **Section 5.7, Human Health Risk Assessment – The Navy utilized the Method 1 criteria of** the RIDEM Site Remediation Regulations (amended 1996) to evaluate risks in the various media associated with this site. The Navy has concluded that there are no concerns for site soil and seep water. RIDEM disagrees with this conclusion. Various PAH compounds and metals are in exceedance of RIDEM Residential Exposure Criteria for both the soil and sediment samples. Therefore, RIDEM will require some form of remediation. Please note that many of the exceedances are in the marina area which is considered recreational in nature and therefore subject to the RIDEM Residential Direct Exposure Criteria.

Clarification – RIDEM Site Remediation Regulations (amended 1996) Method 3 Objectives allows for a site specific risk assessment to be conducted by the responsible party. The site specific risk assessment conducted for this study was based on USEPA methods which has many parameters which are not as stringent as RIDEM parameters. As a result, the risks tend to be understated from RIDEM's point of view. Therefore, RIDEM cannot accept this analysis as being in compliance with Method 3 Objectives. In lieu of this, RIDEM defaults to its Method 1 criteria for determining if a human health risk exists at the site. Method 1 criteria are standards for various contaminates of concern set for the various media. Based on the sampling done for this study there are exceedances of Method 1 criteria indicating that a human health risk exists at this site. As noted above, RIDEM will require some form of remediation or the responsible party may repeat the Method 3 analysis to conform to RIDEM criteria.

Response— The Human Health Risk Assessment was submitted as a separate document from the Draft Phase I RI Report, and followed the required EPA guidance for a CERCLA site.

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

175 Middlesex Turnpike
Third Floor
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LETTER OF TRANSMITTAL

TO:
Ed Boyle
NAVFAC, Engineering Field Activity NE
10 Industrial Hwy, MS #82 (Code 182/EB)
Lester, PA 19113-2090
(610) 595-0567 Ext. 175

DATE: 30 January 2002	JOB NO. 29600.97.3391
ATTENTION: Ed Boyle	
RE: Revised Figure 3 for Responses to Comments to Draft SLERA of IR Program Site 16, NCBC Davisville	
Contract No. N6247-92-D-1926, CTO 97	

WE ARE SENDING YOU [X] Attached [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications
[ ] Copy of letter [ ] Change order [ ] _____

COPIES	DATE	NO.	DESCRIPTION
3	January 2002		Revised Figure 3 for Responses to Comments to Draft SLERA of IR Program Site 16, NCBC Davisville

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[ ] **FOR BIDS DUE** _____19_____ [ ] PRINTS RETURNED AFTER LOAN TO US
REMARKS

Ed,
The enclosed copies of the referenced revised Figure 3 for Responses to Comments to the NCBC Site 16 Draft Screening Level Ecological Risk Assessment (SLERA) are submitted for your review and concurrence. Please add this figure to the Site 16 responses-to-comments document distributed on 25 January 2002.
On behalf of the Navy we have also provided copies to the BCT for their review and concurrence.
Thank you,

COPY TO _____**See Below**_____ **SIGNED** _____
JIM SHULTZ, CTO MGR

D. Barney – NCBC CSO (1 copy), C. Williams – EPA (5 Copies), R. Gottlieb – RIDEM (2 copies),
H. Cohen – RIEDC (1 copy), S. Licardi – ToNK (1 copy), K. Campbell – CDW Consultants (2 copies),
K. Carr – USF&W (1 copy), K. Finkelstein – (NOAA (1 copy), L. Frasier – ATSDR (1 copy), A. Heffron – AET (1 copy),
J. Shultz – EA Boston (1 copy), R. Clark – EA Boston (1 copy), G. Snead – EA Loveton (1 copy),
D. Mayhew – EA Loveton (1 copy), Project File – Boston (1 copy), K. Kilmer - PMO (1 copy),
B. Lesinski, PMO (w/o enclosure)

If enclosures are not as noted, kindly notify us at once

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

100 0 100 Feet

EFANE
IR Program Site 16
Screening Level Ecological Risk Assessment
Former NCBC Davisville Facility
North Kingstown, Rhode Island

SITE MAP AND SOIL AND SEEP WATER/SEDIMENT SAMPLING LOCATIONS

FIGURE 3

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

175 Middlesex Turnpike
Third Floor
Bedford, MA 01730
Tel. 781-275-8846
Fax. 781-275-7253

LETTER OF TRANSMITTAL

TO:
Ed Boyle
NAVFAC, Engineering Field Activity NE
10 Industrial Hwy, MS #82 (Code 182/EB)
Lester, PA 19113-2090
(610) 595-0567 Ext. 175

DATE: 7 February 2002	JOB NO. 29600.97.3301
ATTENTION: Ed Boyle	
RE: Responses to Comments to Draft HHRA and SLERA, IR Program Site 16, NCBC Davisville	
Contract No. N6247-92-D-1926, CTO 97	

WE ARE SENDING YOU [X] Attached [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications
[ ] Copy of letter [ ] Change order [ ] _____

COPIES	DATE	NO.	DESCRIPTION
3	January 2002		Responses to Comments to Draft HHRA (RIDEM's) and SLERA (NOAA's) of IR Program Site 16, NCBC Davisville

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval
[ ] For your use [ ] Approved as noted [ ] Submit _____ copies for distribution
[ ] As requested [ ] Returned for corrections [ ] Return _____ corrected prints
[X] For review and concurrence [ ]

[ ] **FOR BIDS DUE** _____ 19_____ [ ] PRINTS RETURNED AFTER LOAN TO US
REMARKS

Ed,
The enclosed copies of the referenced Responses to Comments to the NCBC Site 16 Draft Human Health Risk Assessment (RIDEM's comments) and Screening Level Ecological Risk Assessment (NOAA's comments) are submitted for your review and concurrence.
On behalf of the Navy we have also provided copies to the BCT for their review and concurrence.
Please provide all review comments by 1 March 2002.
Thank you,

COPY TO _____ **See Below** _____ **SIGNED** _____
JIM SHULTZ, CTO MGR

D. Barney – NCBC CSO (1 copy), C. Williams – EPA (5 Copies), R. Gottlieb – RIDEM (2 copies),
H. Cohen – RIEDC (1 copy), S. Licardi – ToNK (1 copy), K. Campbell – CDW Consultants (2 copies),
K. Carr – USF&W (1 copy), K. Finkelstein – (NOAA (1 copy), L. Frasier – ATSDR (1 copy), A. Heffron – AET (1 copy),
J. Shultz – EA Boston (1 copy), R. Clark – EA Boston (1 copy), G. Snead – EA Loveton (I copy),
D. Mayhew – EA Loveton (1 copy), Project File – Boston (1 copy), K. Kilmer - PMO (1 copy),
B. Lesinski, PMO (w/o enclosure)

If enclosures are not as noted kindly notify us at once

RESPONSE TO COMMENTS FROM NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ON THE DRAFT SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT – SITE 16 JANUARY 2002

General: NOAA has only a few comments to add given that the Navy apparently will move forward with a baseline ERA as Table 5 shows numerous COPC's. Comments are numbered below.

Response— The Navy does not believe that a baseline ERA for the sediment adjacent to Site 16 is necessary. See additional discussion in response to Comment 3 below.

Comment 1: NOAA would like to examine the actual sediment and seep chemical concentrations. Table 4 and 5 only provide the location for those samples showing the maximum concentration; values for the maximum and minimum are provided but the location of the minimum is not. The concentration and location of the middle sample is a mystery.

Response— The referenced sediment sample results are presented in detail in the Draft Phase I Remedial Investigation Report of IR Program Site 16, NCBC (submitted 22 October 2001) in Section 4.6.2 of the text, Tables 4-8 through 4-13, and Figures 4-15 through 4-19.

Comment 2: The high concentrations of organic (and some inorganic) contaminants found in the sediment are not surprising given the previous Spink Neck data from 1993. It was observed from the Allen Harbor Phase 2 Risk Assessment Pilot Study that significant mortality of *Ampelisca* was observed with sediment from the Spink Neck outfall. Is the outfall pipe labeled OPW 16-01 the same as the Spink Neck outfall?

Response— Based on a review of the Phase II Draft Final Report *Allen Harbor Risk Assessment Pilot Study* (Munns, et al, 1993), the Spink Neck outfall referred to therein appears to be the same outfall referred to as OPW/OPSED 16-01 in the draft SLERA for Site 16.

Comment 3: During a meeting between EPA, the Navy, NOAA, and RIDEM in December 1999 we discussed the data provided in number 2 above. NOAA recommended that the Navy look over this Risk Assessment Pilot Study and assess the data from the Spink Neck outfall. The Navy should compare the new sediment data with that from 1993 so that spatial and temporal gradients from

these potential sources can be taken into consideration. It is likely that Spink Neck is the main problem as it drains the large parking area behind Site 16. NOAA also recommended that the Navy attempt to delineate the PAH signature found in the sediment from either the parking lot (likely motor oils) to that attributable to Site 16 (creosote). NOAA believes a pyrogenic PAH related to creosote will stand out and show if Site 16 is a source to sediment contamination. This step could help determine the need for an aquatic component to the baseline ecological risk assessment.

Response— Concentrations of those chemicals measured/detected in common between the RAPS study and the current draft SLERA (and which were designated as COPC in the SLERA) for Site 16 are compared in the attached table. The Navy realizes that this comparison is based on data from limited sampling events; however, of 17 COPCs compared, the concentrations of 15 were lower in the samples collected in 2001 (SLERA) than in the samples collected in 1990 (RAPS Phase II; Munns, et al., 1993). Based on comparison of the means, most concentrations detected in the 2001 samples were substantially lower: by 55 to 98 percent for metals, 69 to 99 percent for PAHs, and 30 to 90 percent for pesticides/PCBs. Only the detected concentrations of arsenic and DDD were higher in the 2001 samples. There has been a substantial decrease in most concentrations, and particularly PAH compounds, from 1990 (3 seasonal samples at one location) to 2001 (one sample each at 3 locations, one identical to the 1990 location). This is compelling evidence that the source—whether it was the creosote or fire training areas of Site 16 or the adjacent parking lot east of Site 16 draining to the southeastern corner of Allen Harbor—may have been mitigated and natural degradation has been taking place.

Particularly in light of the apparent marked amelioration that has taken place in the quality of the sediment over time, the Navy does not believe that an attempt to identify chemical "signatures" of PAH compounds will be useful. This is not a trivial procedure and the probability of success is uncertain because original releases (at least of creosote) took place over 30 years ago. In the Navy's view, the source of sediment contamination appears to have been mitigated and additional effort to identify what the source had been would be superfluous, if at all successful.

The Navy recognizes that, currently, the 2001 sample data indicate sediment poses some ecological risk based on the conservative screening values and assumptions used in the screening level assessment. But given that most HQs are less than 10, the small size of the area involved, and the possibility of natural degradation that may be occurring, the Navy is not convinced that a baseline ERA for the sediment is appropriate.

TABLE A
COMPARISON OF NCBC SITE 16 SEDIMENT DATA BETWEEN THE 2001 SAMPLES IN THE SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT AND THE 1990 SAMPLES IN THE PHASE II ALLEN HARBOR RISK ASSESSMENT PILOT STUDY

	2001 SEDIMENT SAMPLE DATA				1990 SEDIMENT DATA (LOCATION SN)				2001 AVG/	2001 OPSED/
	SED16-01	SED16-02	OPSED	AVERAGE	SPRING	SUMMER	FALL	AVERAGE	1990 AVG	1990 AVG
Arsenic	5.25	36.6	0.97	14.3	2	2	2	2	7.32	0.50
Copper	127	13.4	35.2	58.5	1,610	2,950	2,230	2,263	0.03	0.02
Lead	106.8	11.4	154	90.7	1,690	3,510	2,330	2,510	0.04	0.06
Manganese	204.5	788	89	360.5	623	1,000	784	802	0.45	0.11
Nickel	53.8	19.3	11.5	28.2	576	958	746	760	0 04	0.02
Zinc	346	50.5	163	186.5	7,890	14,000	11,700	11,197	0.02	0.01
Benzo(g,h,i)perylene	310	23	380	238	6,930	5,130	5,940	6,000	0.04	0.06
Chrysene	160	34	450	215	22,700	18,100	19,700	20,167	0.01	0.02
Fluoranthene	1,800	64	1,700	1,188	27,400	23,800	20,200	23,800	0.05	0.07
Fluorene	580	39	240	286	710	1,110	960	927	0.31	0.26
Indeno(1,2,3-cd)pyrene	310	39	250	200	6,090	4,620	5,180	5,297	0.04	0 05
Phenanthrene	370	44	790	401	25,000	24,700	20,700	23,467	0.02	0.03
Pyrene	855	68	340	421	27,600	23,800	20,400	23,933	0.02	0.01
DDD	3	2	2	2	2	1	2	1	1.75	1.41
DDT	2	2	1	2	3	2	2	2	0.70	0.56
Gamma chlordane	1.05	1.65	1.7	1.5	17	13.3	13.5	14.6	0.10	0.12
PCB-1260 (~total)	36	16.5	10	20.8	71.9	75.3	153	100.1	0.21	0.10

Note: SN=Spinks Neck outfall sample location referenced in the Phase II RAPS and is the same vicinity as the 2001 sample location OPSED.
Inorganic units=mg/kg; organic units=ug/kg.
If chemical was not detected in a sample (as in several instances in the 2001 sample data), 1/2 the detection limit was used in calculating average.

RESPONSE TO COMMENTS FROM RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ON THE DRAFT HUMAN HEALTH SITE RISK ASSESSMENT – SITE 16 JANUARY 2002

Comment 1: Page 2-2, Section 2.1.3, Exposure Pathways and Receptors of Concern, Paragraph 3 – This paragraph notes that the residential scenario is included in this analysis as a conservative measure. Please revise this to state that the residential scenario is included because the land associated with the marina is subject to RIDEM residential criteria.

Response— As stated in the text, residential use of Site 16 is not expected in the future. Therefore, consideration of residential exposure is to be conservative. This discussion will remain in the text.

Comment 2: Page 2-3, Section 2.1.3, Exposure Pathways and Receptors of Concern, Paragraph 2 – This section notes that surface soil is evaluated from 0 to 2 ft. below ground surface for the recreation scenario. As noted above, the recreation scenario is to be evaluated under residential conditions under RIDEM Remediation Regulations, amended 1996. Residential soil is to be evaluated from the surface to the top of the water table, not just the top two feet. Please revise the analysis accordingly.

Response— The HHRA evaluation, including the definitions of the media of concern, follows the EA March 2000 Site 16 RI Final Work Plan. Total soil (surface and subsurface soil, combined) is evaluated for the residential scenario. As a recreational receptor is only expected to contact surface soils, this receptor is evaluated for surface soil. As the recreational receptor is only likely to contact surface soils and this is in accordance with the work plan, the risk assessment will not be revised.

Comment 3: Page 2-3, Section 2.1.4, Risk Based Screening, Paragraph 1, Sentence 2 – This sentence states that any analyte in any medium for which the maximum measured concentration exceeded the risk-based screening concentration is retained as a COPC. This implies that if the concentration is below the risk-based screening concentration then the compound is no longer considered. Under the RIDEM Remediation Regulations, amended 1996, compounds cannot be excluded from the risk analysis until it is shown that there is no risk from that compound.

Response— The HHRA evaluation, including the screening analysis, follows the EA March 2000 Site 16 Final RI Work Plan. The screening analysis follows both EPA Region I (Risk Update 5) and federal EPA (RAGS A, 1989) risk assessment guidance. As explained in the text and in these standard guidance documents, the screening values used in the screening analysis are highly conservative; a comparison of the maximum detected compound in a medium to the medium-specific screening value demonstrates no risk for that compound. The screening analysis will not be revised, but text will be added to the screening analysis discussion to clarify this.

Comment 4: This risk analysis concludes in general that there are no unacceptable risks associated with this site from soil and sediment. Please be advised that this risk analysis does not conform to Method III RIDEM Remediation Regulations for determining risk at a site for the reasons noted above as well as others. Based on the data contained in the Remedial Investigation, for this site, various PAH compounds and metals are in exceedance of RIDEM Residential Exposure Criteria (Method I) for both soil and sediment samples. Therefore, RIDEM believes there are risks associated with these media. RIDEM does concur, however, that there are unacceptable risks associated with the groundwater.

Response— The risk assessment evaluated PAHs and metals in soil per EPA federal and regional guidance and in accordance with the March 2000 work plan. Several PAHs and metals exceeded their screening values for soil and were then evaluated for potential risk in the risk assessment. The results of the risk assessment indicated that there are no unacceptable risks for soil at Site 16. The application at this point of RIDEM's non-site-specific values as the sole indicator of risk is not applicable in that the site-specific risk assessment has demonstrated no unacceptable risk.

Sediment was not included in the HHRA (in accordance with the March 2000 work plan).

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LETTER OF TRANSMITTAL

TO Ed Boyle	DATE: 25 July 2002 / JOB NO.: 29600.97.3592
EFANE (Code 182/EB)	ATTENTION: Ed Boyle
10 Industrial Highway, Mail Stop 82	RE: Responses to Comments-Site 16 Draft Phase I RI Documents
Lester, Pennsylvania 19113-2090	Contract No. N62472-92-D-1926, CTO 97
(610) 595-0567 Ext. 175	

WE ARE SENDING YOU [X] Attached [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of letter [ ] Change order [ ] _____

COPIES	DATE	DESCRIPTION
3	July 2002	Responses to EPA's and RIDEM's 2nd Set of Comments to the Draft Phase I RI, HHRA, and SLERA Reports of IR Program Site 16, NCBC Davisville

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval

[X] For your use [ ] Approved as noted [ ] Submit _____ copies for distribution

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[ ] For review and comment [ ] _____

[ ] **FOR BIDS DUE** _____ 20____ [ ] PRINTS RETURNED AFTER LOAN TO US

REMARKS Ed,

The enclosed copies of the referenced Final Responses to Comments document are for your use and file. On behalf of the Navy, we have also provided copies to the BCT for their use and file. Please provide concurrence to the Navy on or before 9 August 2002 so we can prepare and submit the related final reports. Thank you.

COPY TO See Below

SIGNED Jim Shultz, CTO Manager

D. Barney – NCBC CSO (1 copy), C. Williams – EPA (5 copies), R. Gottlieb – RIDEM (1 copy), H. Cohen – RIEDC (1 copy), S. Licardi – ToNK (1 copy), K. Campbell – CDW Consultants (2 copies), K. Carr – USF&W (1 copy), K. Finkelstein – NOAA (1 copy), A. Heffron – AET (1 copy), J. Shultz – EA Boston (1 copy), R. Clark – EA Boston (1 copy), E. Mahoney – EA Loveton (1 copy), G. Snead – EA Loveton (1 copy), D. Mayhew – EA Loveton (1 copy), Project File – Boston (1 copy), K. Kilmer – PMO (1 copy), B. Lesinski – PMO (w/o enclosure)

Responses to EPA's and RIDEM's 2nd Round of Comments to the Draft Human Health Risk Assessment, Draft Screening Level Ecological Risk Assessment, and Draft Phase I Remedial Investigation Report of IR Program Site 16

Naval Construction Battalion Center
North Kingstown, Rhode Island

Contract No. N62472-92-D-1296
Delivery Order No. 0097

Prepared for

Department of the Navy
Engineering Field Activity Northeast
Naval Facilities Engineering Command
10 Industrial Highway, Mail Stop No. 82
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July 2002
Version: FINAL
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Response to RIDEM's Comments to the Draft Human Health Risk Assessment – Site 16

NAVY'S RESPONSES TO EPA'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 PHASE I REMEDIAL INVESTIGATION REPORT

GENERAL COMMENTS

Comment 2.1: With respect to the additional comment that "localized areas of relatively fast ground-water velocity can only have effectively flushing action if the water has somewhere to go...," the information contained in the report (hydraulic gradient, conductivity values, and non-existent organic matter in the deep wells and/or bedrock) suggests that the groundwater does have "somewhere to go." It is also the Navy that is stating that groundwater and contaminants appear to be migrating from Building 41 to the northeast along a preferential pathway. If there is an interpretation that contamination has migrated from Building 41 and "stopped" or markedly slowed after reaching the vicinity of point of blockage or retardation it should be discussed and documented.

Response — Ground-water flow rate along a particular pathway could only move as fast overall as it does through the area of lowest permeability. The point was that the EPA reviewer had pointed out a specific area (well) of relatively high permeability that seemed to be applied along the entire pathway to support the hypothesis of relatively rapid flushing of the apparent source to further support a more recent spill event or spill event in other area(s). The Navy's reference to an apparent northeast trending preferential pathway only meant an area of relatively higher flow rate than the surrounding area, but not necessarily an area of rapid flushing along the entire subsurface pathway.

SPECIFIC COMMENTS

Comment 3: *Comment not addressed.* Based upon the data presented in the Site 16 Phase I Remedial Investigation Report, while some component of groundwater flow from Building E-319 likely flows toward Narragansett Bay it is not entirely clear where local groundwater flows in the area southeast of Building 41. Also, it is noted that while the shallow groundwater flow is stated to be toward Narragansett Bay, the bedrock groundwater flow direction presented in the Phase I Remedial Investigation is to the northeast along an interpreted bedrock trough. Extension of this deep groundwater flow could be traced directly up gradient to Building E-319. If the contaminants originated as a dense, non-aqueous phase liquid (DNAPL) it is very possible that contaminants could also have migrated to depth from the location of Building E-319 and

from there, along the inferred bedrock trough to the northeast. Therefore, further evaluation of the vicinity of Building E-319 is warranted.

Response — The planned Phase II RI rock well location 'G' along Dogwood Street appears to be downgradient of the southeastern half of Building E-319. In addition, to address this EPA concern, the Navy proposes to relocate the MW16-05R2 location deep rock well to the MW16-17 well cluster as an 'R' well to be approximately downgradient of the northwestern half of Building E-319. The Navy feels that addressing this EPA concern at this time would be a better use of the current funds than currently assuming the need for a 'R2' well at the MW16-05 cluster. The need for a deep rock ('R2') at the MW16-05 cluster would be based on the results of the MW16-05R well planned for the Phase II RI.

Comment 6: *Comment not addressed.* The proposed additional work will be reviewed in detail when the Site 16 Phase II Work Plan is received. This issue, however, is still unresolved, largely in part due to data gaps or "silence in the data." That "silence in the data" is due to its absence at key locations, in particular, a lack of shallow, intermediate, deep, and bedrock groundwater monitoring wells within the Site 16 area. The Navy may be correct in their "interpretations, speculations and opinions." However, at the present time, there is insufficient data in key areas to support the Navy's "hypothesis."

It should also be noted that while high levels of CVOCs were not detected in MW16-03D, this well is not in rock. However, even if it were, due to nature of groundwater flow in fractured rock, it is possible that any one particular rock well could miss overall bedrock groundwater contamination.

EPA's concern is that contaminants may have migrated downward into the weathered and/or fractured bedrock from releases within the central area of Site 16, including the fill material, the Former Fire Training Area, or other historic operational activities to the southeast. As indicated in EPA's comments, there is a concern that CVOCs have migrated to the east and southeast within the Site 16 area, where there is a paucity of shallow, intermediate and deep groundwater monitoring data.

In particular, EPA would again call attention to the available data collected by the Navy in this vicinity. The soil boring log for MW16-02, one of the wells stated to be along the preferential pathway from Building 41 with elevated CVOCs in the bedrock (MW16-02R) and the overlying deep well (MW16-02D) had PID readings from 18 feet below the ground surface to a

depth of 68 feet. The readings generally increase with depth suggesting a historic surface release in the central or southeast area of Site 16.

Response — Comment noted. The additional monitoring wells proposed for the Phase II RI are planned to fill data gaps and address these issues.

Comment 10: EPA takes issue with the statement of any attempt to estimate past hydrogeological regime using "gross assumptions" with output being no more than "speculation." Investigative analysis and problem solving often requires initial "gross assumptions" in order to attempt to understand and fully evaluate the observed data, (sometimes known as an "initial hypotheses"). This is especially critical where there are apparent data gaps. EPA believes that 8 to 9 acres are not an insignificant area. Hydraulic loading can result in periodic mounding especially when the surface is permeable, free of vegetation and also is subject to additional hydraulic loads as occurs when water is applied to the ground surface to fight fires.

Response — Comment noted.

Comment 12: EPA takes issue with the editorial statement that "This appears to be a hypothesis based upon the silence in the data." The RQD value is real.

Response — Agreed, the RQD values are real where they are available.

Comment 14: EPA's reference to a data gap relates to the Navy's "hypothesis" that contaminated groundwater originates from Building 41 and extends migrates to the northeast. If that is the case, additional data is necessary to show that deep groundwater does not continue to flow to the southeast, as the Navy states that it does from Building E-319. To that extent, EPA believes there is a data gap. Although additional data may clarify the situation, the presently available data drives the excessive amount of non-constrained "hypotheses" on both parts.

Response — Comment noted. However, based on the available October 1995 water level elevation data for 7 deep piezometers (since abandoned) illustrated on Figures 8A and 9 (Nov'95 Modified Work Plan Addendum for Operable Unit at NCBC Davisville), the deep overburden ground-water zone flows toward the southeast in the Buildings 319 and E-319 area. Also as stated previously, the additional well locations proposed for the Phase II RI in this area are anticipated to refine the hydrogeologic understanding. Also, piezometers PGU-Z4-03S/D have been repaired and resurveyed and will be included in future water level measurement events.

Comment 16: *Comment not addressed.* It is assumed that the aquifer may be heterogeneous. However, how do the hydraulic conductivity values relate to various stratigraphic sequences and/or locations?

Response — Table 3-4 (attached) of the Draft Phase I RI report had been re-organized into the various descriptive soil types encountered. However, the heterogeneity of the soil apparently supercedes the general descriptive soil types of the USCS. No correlation between hydraulic conductivity values and the soil types is apparent.

Comment 21: It is acknowledged that the data does not indicate the presence of DNAPL. However, that was not the point of the comment. The comment reflects the concern over an absence of data within the central Site 16 area, especially to the east and southeast in regards to shallow, intermediate and deep groundwater monitoring wells. The proposed locations of any soil borings, monitoring wells, and/or piezometers will be evaluated during review of the Site 16 Phase II Work Plan.

Response — Comment noted.

Comment 23: EPA is concerned that the methods used to test the soils at the MW16-07 location did not target the contamination. During the Phase II RI, EPA requests the navy use a different method to determine what type of contamination the high PID hits from the boring logs and MIP logs was. Method 9071B, as proposed in the Building 41 subsurface investigation, would be acceptable.

Response — To address this concern, the Navy proposes to collect a soil sample from the MW16-07 location from a depth of 10 to 12 ft below ground surface for Method 9071B analysis and petroleum hydrocarbon fingerprinting. This depth interval had the highest soil sample headspace vapor field measurement during drilling of the deep well of this cluster, is within the ground-water table smear zone, and is within the increasing portion of the PID log obtained for the associated MIP16-07 location.

Comment 24: The statement that the contamination in deep groundwater "appears to be overshadowed by the deep CVOC plume that appears to have migrated northeast from beneath Building 41" is, as the Navy has described many of EPA's interpretations, only "speculation," "opinion," and a "hypothesis." It may not be supportable due to an absence of data within the Site 16 Stage I area, beneath Building 41, the RR yard, and Building E-319.

Response — Comment noted. Also as stated previously, the additional well locations proposed for the Phase II RI are anticipated to refine the hydrogeologic understanding.

Comment 30: *Comment partially addressed.* It is EPA's opinion that the additional work proposed for the Site 16 Phase II Remedial Investigation would not appear to resolve this issue. In particular, MW16-26D, while apparently hydraulically up gradient from the Site 16 area, is also apparently down dip of the silt layer presented on Cross Section A-A'. The fill unit shown on the Cross Section lies at the top of this unit. In the absence of groundwater quality data for the shallow or intermediate zones at the MW16-26D location it is not possible to ascertain whether contaminants released in that vicinity have migrated down dip along the silt lens. However, the proposed locations of any soil borings, monitoring wells, and/or piezometers will be evaluated during review of the Site 16 Phase II Work Plan.

Response — Comment noted. However, it should be considered that the associated MIP16-W03 had no significant ECD or PID response. Additionally, during drilling of MW16-26D and field measurement of soil sample headspace, there were no PID detections of vapors.

Comment 31: *Comment partially addressed.* See Comment 30 above. Also, in regard to shallow wells, there is an absence of water table elevation data in a large segment of the eastern half of the Site 16 central area. A shallow well at the location of MW16-29 still appears to be warranted since the Navy has not determined the nature and extent of the screening hits at locations MIP-26 and E-1.

Response — The Navy proposes to address the MIP ECD low responses from approximately 2 to 6 ft below ground surface at locations MIP16-26 and MIP16-E01 by installing a shallow well (currently referred to a location X-S) adjacent to the MIP16-26 location.

MW16-29D is located approximately crossgradient from the MIP16-26 and MIP16-E01 locations and is approximately 35 ft southeast of MIP16-23, where there were no significant ECD or PID response. Additionally, during drilling of MW16-29D and field measurement of soil sample headspace, there were no PID detections of vapors until 50 ft below ground surface. Therefore, the Navy does not believe that installation of a shallow well at MW16-29 would assess the MIP ECD low responses from approximately 2 to 6 ft below ground surface at locations MIP16-26 and MIP16-E01.

Comment 32: *Comment partially addressed.* At the present time, the shallow groundwater flow pattern is unresolved. It may, as the Navy has interpreted on Figure 3-10, be entirely to the northeast. However, elsewhere in these responses to comments, the Navy states that the Stone and Webster work indicates shallow groundwater from the vicinity of Building E-319 flowing to the southeast. A concern that EPA has, especially in view of the available MIP and PID data and the lack of local shallow groundwater elevation data to the east and southeast of Building 41, is that the location of the groundwater divide between northeast and southeast groundwater flow is not known. Water table elevation data at the location of MW16-08 and other locations is considered important in helping to resolve this issue.

Response — For the Phase II RI, the Navy plans to install 9 intermediate depth wells east and south of MW16-08D and east of Building 41. Because these wells are typically planned to be screened above the silt layer (where present), there would be no overlying confining layer. Therefore, the water levels to be measured in these planned wells should be representative also of the shallow zone and be sufficient to fill in the gaps in the contouring of the water surface in this area.

Comment 33: *Comment partially addressed.* See Comment 32, above. EPA does not concur that shallow wells are not necessary at the locations noted. A review of Table 1 and Figure A does not indicate any planned shallow groundwater monitoring or observation wells in the area east of Building 41.

Response — There were no significant MIP ECD or PID responses in the shallow zone at locations east of Building 41. Additionally, during drilling of the Phase II RI wells (also located in that area) and field measurement of soil sample headspace, there were typically no elevated PID detections of vapors down to 20 ft below ground surface. The need for shallow wells in this area could be re-assessed based on the findings of the intermediate depth wells planned for this area during the Phase II RI.

Comment 34: *Comment partially addressed.* See Comment 33 above.

Response — Refer to the response to Comment 33 above.

Comment 35: *Comment partially addressed.* See Comment 33, above. EPA does not concur that shallow wells are not necessary at the locations noted.

Response — Refer to the response to Comment 33 above.

Comment 36: *Comment not addressed.* EPA would suggest that historical uses of the site that could have contributed arsenic are the fill material that is documented on the site soil boring logs and cross sections, and the creosote or wood preserving areas. According to the Pollution Prevention and Abatement Handbook, World Bank Group, July 1998: "The largest contributions of arsenic in terrestrial water are ***landfills***, mines, pit heaps, wastewater from smelters, and ***arsenic containing wood preservatives.***" Landfills, even small ones, contain a variety of materials that contribute arsenic to ground and surface waters, including coal ash, or waste pesticides and herbicides, incinerated preserved wood, etc. The site fill material appears to contain material not classified as "clean fill." Additionally, arsenic was a common constituent of pesticides and herbicides that could have been used in the past and applied generally in the area.

Response — Comment noted. Regarding the 'site fill' portion of the comment, the historical data for this site indicates reworking of the site soil during the heavy equipment operator training activities rather than landfilling activity. The use of 'fill' on the boring logs and cross sections was not meant to indicate landfilling of the area, but rather that the soil was not in its original naturally deposited state. Perhaps a better wording on the boring logs and the cross sections would be 'reworked soil.'

RIDEM RI Comment 1: *Comment not addressed.* This comment is in regard to the issue of elevated reporting limits for Vinyl Chloride and 1,1- Dichloroethane (see response to RIDEM comment #1). The compounds that appear to be the cause of the problem are those that are typically considered to be field and lab contaminants. If acetone and methylene chloride are not contaminants of concern at this site, then corrective action needs to be initiated in the field and/or the lab to minimize the level of contamination. Once the problem has been corrected, then the samples need to be resampled and reanalyzed to try and report these compounds with reporting limits below the RIDEM residential direct exposure criteria.

Response — Please refer to the 2nd response to RIDEM General Comment 1.

TABLE 3-4 MODIFIED SUMMARY OF HYDRAULIC CONDUCTIVITY ESTIMATED FROM SLUG TEST DATA SITE 16, NCBC DAVISVILLE

Well Designation	Screen Internal (FBGS)		Hydraulic Conductivity K (ft/d)		Geologic Unit Screened
	Top	Bottom	Rising Head	Falling Head	
SAND					
MW16-26D	40	49	155.0	10.33	Silty Sand (1) Sand (5.5) Gravelly Sand and Silt and weathered rock (2.5)
MW16-23D	50	60	18.99	9.565	Sand (10.5) Weathered Phyllite (1.5) Gravelly Sand (3)
MW16-02S	5	15	#	#	Sand (10)
FILL					
MW16-07S	7	17	#	#	Fill (sandy silty) (10)
MW16-06S	7	17	N.M.	37.53	Fill (sandy silty gravelly) (7) Silt (2) Sand (1)
MW16-05S	8	18	46.0	47.53	Fill (sandy/silty) (2.5) Silty Sand (1) Sandy Silt (4) Sand (2.5)
MW16-04S	3	13	95.06	71.30	Fill (sandy) (5.2), boulders and rip rap (2) fill (sandy) (2.8)
MW16-03S	3	13	39.61	36.56	Fill (sand to silty sand) (10)
GRAVELLY SAND/SANDY GRAVEL					
MW16-25D	46	58	456.9	N.M.	Silty Sand (3.5) Sand (2.5) Gravelly Sand (6)
MW16-29D	44.5	54.5	**	**	Silty Sand (3.5) Gravelly Sand (6.5)
MW16-24D	50	62	274.1	19.27	Sand (2.5) Sandy Gravel (5.5) Sand (0.5) Sand and Silt with Phyllite Fragments (3.5)
MW16-21D	51	61	83.88	11 88	Gravelly Sand (10)
MW16-14D	52	62	118.8	7.505	Gravelly Sand (4) Boulder (1.5) Gravelly Sand (4.5)
MW16-09D	55	65	9.506	1.517	Sandy Gravel (2) Sandy Silt and Gravel (3) Gravelly Sand (5)
MW16-15D	46	56	203.7	47.53	Silty Sand (1), Gravelly Sand to Sand and Gravel, Sandy Gravel (9)
MW16-13D	57	67	6.423	11.88	Silty Gravelly Sand (1) Sand and Gravel (6) Sandy Gravel (3)
MW16-18D	42.5	52.5	178.2	16.02	Silty Gravelly Sand (1 5) Gravelly Sand (8.5)

Well Designation	Screen Internal (FBGS)		Hydraulic Conductivity K (ft/d)		Geologic Unit Screened
	Top	Bottom	Rising Head	Falling Head	
MW16-28D	54.5	64.5	**	**	Gravelly Sand (10)
MW16-02D	54.5	67	75.05 95.06 101.9	N.M.	Gravelly Sand (10)
SILTY GRAVELLY SAND/ SILTY SANDY GRAVEL					
MW16-06D	38.5	44.5	303.3	424.6	Silty Gravelly Sand (3.5) Sandy Gravelly Silt (2.5)
MW16-08D	40	55	68.74	137.5	Sand (3), Silty Sand (1) Silty Gravelly Sand (4) Silty Sand and Gravel (6) Sand and Gravel (1)
MW16-07D	27.5	37.5	33.95	32.41	Sandy Silt (2.5) Silty Sandy Gravel (2) Sandy Silt and Gravel (5.5)
MW16-04D	43	53	79.22 12.96 89.1	71.30	Silty Gravelly Sand (1) Sand (3) Boulder (2) Silty Gravelly Sand (4)
MW16-17D	57	64	4.321	7.505	Boulder (1) Gravelly Silty Sand (3) Boulder (1) Gravelly Silty Sand (4) Boulder (1)
MW16-22D	52	62	101.9	118.8	Silty Sand (1), Sand and Gravel (4) Sandy Gravelly Silt (0.5) Silty Gravelly Sand (4.5)
MW16-27D	54	64	**	**	Sand (1.5) Silty Sandy Gravel to Silty Sand and Gravel (8.5)
SILT/SILTY LAYERS					
MW16-01S	17.5	27.5	N.M.	**	Sand (4.5) Silty Sand (5.5)
MW16-05D	42	52	35.65	188.0	Sand (2.5) Sandy Silt (1) Sand (0.5) Sandy Silt (1.5) Sand (1.5) Sandy Silt (1) Silty Gravelly Sand (2)
MW16-20D	39.5	49.5	330.4	2.852	Sand and silt (4.5) Gravelly Silt (4) Weathered Rock (1.5)
MW16-10D	48.5	58 5	142.6	2.852	Silt (1.5) Gravelly Silt (4) Boulder (1) Silty Sand and Gravel (3.5)
SAND/SILT/GRAVEL/WEATHERED ROCK					
MW16-03D	38.5	48.5	713.0 713.0 142.6	N.M.	Silty Sand (2.5) Boulder (1.5) Gravelly to Silty Gravelly Sand (6)
MW16-01D	48 5	58.5	158.4 71.3 89.12		Silty Sand (3) Boulder (1.5) Gravel (4) Quartzite (1.5)
MW16-11D	53.5	63.5	12.40	4 753	Silty Sand and Gravel (4.5) Gravel (2) Sand (2.5) Rock (1)

Well Designation	Screen Internal (FBGS)		Hydraulic Conductivity K (ft/d)		Geologic Unit Screened
	Top	Bottom	Rising Head	Falling Head	
MW16-12D	52	62	118.8	23.0	Silt (2), Sand (4) Silty Sand and Gravel (2) Sand (1) Gravel (1)
MW16-16D	54	64	**	**	Sand (1.5) Boulder (2.5) Silty Sand (2) Sand (1) Weathered Rock (3)
MW16-19D	45.5	54.5	93.91	110.7	Silt (1) Weathered Phyllite (2.5) Phyllite (6.5)

** No measurable water level change during slug test.
# Water table too low to fully submerge slug. No test run.

NOTE: Where multiple slug tests were taken, all readings are shown.
FBGS = Feet below ground surface.
ft/d = Feet per day.
N.M. = Not measured.

NAVY'S RESPONSES TO EPA'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 HUMAN HEALTH RISK ASSESSMENT

New EPA Comment: During EPA's first review of the draft human health risk assessment, we did not notice that there was no description of the dust inhalation parameters in the text at Section 2.2.4.1. Similarly, we did not notice that there was no description of the method used to calculate the concentration of contaminants in dust, presumably based on the soil concentration. Please provide these descriptions in the final draft.

Response — The following text will be provided in HHRA Section 2.2.4 to clarify the dust inhalation calculations:

"The HHRA addresses the potential for site soils to be entrained into ambient air through wind erosion and other disturbances. To estimate COPC concentrations entrained from soil into ambient air, a particulate emission factor (PEF) was used. The PEF equation and calculations are provided in Appendix B (Table 5-59) and are consistent with EPA Soil Screening Guidance (EPA 1996). Multiplication of the COPC concentration in soil by the PEF yields a conservative estimation of ambient air concentrations."

Additionally, the inhalation parameters provided in Table 4.X for inhalation of soil (from air) will be added to the text. Specifically, inhalation parameters from Table 4.1 for the resident adult will be added to the text in Section 2.2.4.1. The inhalation parameters provided in Table 4.2 for the resident child will be added to the text in Section 2.2.4.2. The inhalation parameters provided in Table 4.3 for adult recreational users would be added to the text in Section 2.2.4.3. The inhalation parameters provided in Table 4.4 for child recreational users will be added to the text in Section 2.2.4.4. The inhalation parameters provided in Table 4.5 for construction workers will be added to the text in Section 2.2.4.5. The inhalation parameters provided in Table 4.6 for commercial workers will be added to the text in Section 2.2.4.6.

GENERAL COMMENTS

Comment 3: The original comment questioned the selection of both cis- and total 1,2-DCE as COPCs. The response indicates that text will be added to clarify method discrepancies and the conservative treatment of the data in the HHRA. The explanation should include a comparison of the

laboratory reporting limits of these compounds and their affect on the calculation of the arithmetic averages and exposure point concentration calculations.

Response — The following text will be added to the end of Section 2.6.1 of the Uncertainty Assessment:

"Additional uncertainty lies in the HHRA evaluation of 1,2-DCE. Both cis- and total 1,2 DCE were quantitatively assessed; although this may double count the potential effects of cis-1,2-DCE. The analytical method used to determine the concentrations of cis-1,2-DCE and trans-1,2-DCE was EPA SW846 8260B. Total 1,2-DCE was determined based on a rounded summation of the cis and trans concentrations by the laboratory. Based on the detection in some samples of the cis isomer at greater concentrations than the total, both cis and total were assessed in the HHRA to be conservative. However, quantification of risks of both cis- and total 1,2-DCE is quite conservative and may overestimate risks."

The following clarification was provided by the laboratory: The MDL (method detection limit) studies are performed annually to determine laboratory PQLs (practical quantitation limits). Generally the PQL is 3-5 times the statistically derived MDL. Total 1,2-DCE is the summation of the individual results for cis and trans. If the result from the raw data (quantitation report) for cis or trans is less than 10 ppb we use one significant figure. If the raw result for cis or trans is greater than 10 ppb we use two significant figures. The differences you have seen with the total 1,2-DCE results are probably a function of our rounding/significant figures rules of reporting.

In addition, the following text will be added to the end of Section 2.6.2.1 of the Uncertainty Assessment:

"Additional uncertainty exists for samples with elevated detection limits. For samples with elevated detection limits for a chemical that was not detected, use of one-half the detection limit as a surrogate value introduces greater uncertainty in the quantification of these samples. Based on the greater lack of certainty in the actual concentration of the chemical in these samples, bias may be either high or low. This potential uncertainty is also present in the calculation of statistics for each chemical, such as the arithmetic average or the 95 UCLM. However, as these statistical measures are based on all of the samples analyzed for a chemical, the uncertainty associated with one or a few samples is minimized by the inclusion of the rest of the data."

Comment 4: The original comment addressed the elimination of contaminants of potential concern at the initial stage of the HHRA using a background screening procedure. The response to this comment indicates that the HHRA work plan included this procedure; however, the Navy has previously been informed of the EPA's position regarding this procedure during the review of both the draft work plan and the Response to Comments package. The EPA clearly indicated that the background screening procedure utilized at the initial stage of the HHRA is unacceptable. This issue has not been resolved.

However, given the pending reconciliation of the arsenic data, as requested elimination of arsenic as a COPC based on a low frequency of detection is appropriate.

Response — Comment noted. Arsenic will be removed based on low frequency of detection (less than 5 percent of the samples) and background.

Additionally, the following will be added to the Uncertainties in Risk Characterization section:

1) Regarding the risk associated (quantitatively) with the consumption of the EPC concentration of arsenic in GW for Site 16. A note will be added stating the potential CTE and RME risks associated with the consumption of background Arsenic ground-water concentration.

2) The Site 16 EPC arsenic ground-water concentration is significantly less than the EPA proposed new MCL (10 μg/L) for arsenic.

3) Site 16 is in an area classified as a GB aquifer by RIDEM.

4) "The Navy screened out arsenic as a COPC in ground water for the quantitative human health baseline risk assessment due the detected concentrations being less than relevant background ground-water concentrations (in accordance with CNO Policy, Sept. 2000) and due to a low frequency of detection across the site. While EPA disagrees with screening out chemicals as COPCs due to background concentrations, EPA does agree with screening out arsenic as a COPC due to a low frequency of detection for the Site 16 Phase I RI HHRA."

Further, the following will be added to the Conclusions section of the Phase I RI HHRA:

1) RIDEM disagrees with some of the methodology of this Phase I RI risk assessment.

2) Additional ground-water and soil data will be collected as part of the Phase II RI. This data will be used to develop a Phase II RI risk assessment.

3) The Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.

Comment 5: Navy declines to assess risks of seep sediment and seep water to a recreational receptor based on the fact that this pathway was not included in the final work plan. A recreational exposure pathway to seep sediment and seep water is considered to be reasonably foreseeable under future scenarios in which the public has access to these areas. In the absence of a risk evaluation to the contrary, EPA believes that there may be a risk to a future recreational receptor. Therefore, EPA is requesting this type of assessment as part of the Phase II RI. We are also requesting additional sediment samples to look for lateral contaminant concentration trends along the shorelines.

Response — The Navy will address the potential recreational pathways from surface water and sediment in the intertidal area, as part of the Phase II RI QAPP addendum preparation discussions.

Comment 6: Navy declines to evaluate the potential risks of VOC migration into indoor air because VOCs were detected only in deep wells, not shallow wells. Although vinyl chloride was found in only one shallow monitoring well (MW16-04S) at 0.9 µg/l, vinyl chloride was found at concentrations up to 14 µg/l in two rounds of direct push groundwater sampling. Since EPA believes that the past direct push data show a significant potential for migration and risk of vinyl chloride into the indoor air of future buildings and the future shallow well data will also indicate the presence of vinyl chloride, EPA is requesting modeling of indoor air concentrations and risk as part of the Phase II RI.

Response — The planned Phase II RI shallow monitoring well locations N, O, P, and Q (vicinity of the suspected former fire fighting training area) will be in the areas where previous probe-collected samples of ground water had elevated vinyl chloride concentrations (10 to 14 µg/L) detected; i.e., MIP16-12 (14 µg/L from 17 ft bgs), MIP15-16 (11 µg/L from 17 ft bgs), and 28-GW-04 (10 µg/L from 8 to 10 ft bgs). Analysis of samples from these wells will include vinyl chloride to confirm the concentration in the

shallow ground-water zone. Modeling for vinyl chloride indoor air concentration would be preformed if vinyl chloride is detected at elevated concentrations based on the Phase II RI sample results from all of the shallow monitoring wells.

Comment 7: Navy declines to recalculate groundwater exposure point concentrations according to EPA Region I guidance because the procedure was presented in the final work plan. The procedure in the final work plan (p.16 of final work plan) is the same as that requested by EPA in its comment. The final work plan states:

"Consistent with U. S. EPA, the 95% UCLM will be used as the RME chemical concentration estimate for all matrices with the exception of ground water. Ground-water RME exposure estimates will be based on the maximum concentration detected in wells. If multiple sample rounds are available for the well with maximum chemical concentrations, an average of all the rounds will be used as the ground-water RME exposure estimate."

The final work plan does not specify which type of exposure point concentration will be used for the CTE scenario. EPA Region I guidance (Risk Update No. 3, page 5, 1995) is as follows:

"As described in the August, 1994 Risk Updates, exposure point concentrations (EPCs) should be based on the 95 percent upper confidence limit (UCL) on the arithmetic mean for all media except groundwater. For groundwater, EPCs should be based on the arithmetic mean and maximum chemical concentrations. To evaluate central tendency exposures, combine the arithmetic mean with the central tendency parameters. High end exposures should be assessed by combining the maximum concentrations with high end exposure parameters."

It appears that the Navy has calculated CTE risks using average soil and average ground-water concentrations as the EPC, combined with CTE exposure parameters. It also appears that the Navy has calculated RME risks of soil using 95% UCLM soil concentrations and RME risks of ground water using the 95% UCLM (or maximum) ground-water concentration.
EPA interprets its guidance to mean that the EPC for <u>both</u> the CTE and RME **for all media except ground water** should be the 95% UCLM unless it is greater than the maximum, in which case the EPC should be the maximum concentration. **For ground water**, EPA Region I interprets its guidance to mean that the EPC for <u>both</u> the CTE and RME should be the maximum concentration, unless there are multiple rounds of analyses,

in which case the EPC for ground water should be the average concentration of multiple rounds in the well with the highest concentrations.

It appears that the Navy interpreted this guidance differently, using the average groundwater concentrations and average soil concentrations for the CTE, and the 95% UCLM for both ground water and soil as the RME. The result is that the calculated CTE risks are lower than they should be (Navy used average soil and ground-water concentrations, rather than upper end concentrations), and that the calculated RME risks of ground water are lower than they should be (Navy used 95% UCLM ground-water concentrations, rather than maximum concentrations). The Navy correctly used the 95% UCLM (or maximum) as the RME for soil, in accordance with the EPA Region I interpretation.

Since remedial decisions are based on the RME risks, there is no need to recalculate the CTE except for completeness. However, remedial decisions should not be modified based on the CTE risks in the draft document because they are lower than they should have been. The RME risks of soil are calculated correctly. Since the Navy should have used the maximum ground-water concentration (as stated in the work plan), rather than the 95% UCLM, for the RME risks of ground water, the ground-water risks should be recalculated and the text revised. It is acknowledged that this recalculation will not change the conclusion that ground-water risks exceed EPA risk limits. However, it may change some conclusions concerning cumulative risk for those receptors that have both soil and ground-water exposures. In addition, recalculation of RME ground-water risks will help to ensure that the PRGs are calculated correctly for the FS. For clarity at this site, the correct method for calculating EPCs is provided in the table below:

Medium	EPC for the CTE	EPC for the RME
Soil	95% UCLM, unless it is greater than the maximum, in which case use the maximum	95% UCLM, unless it is greater than the maximum, in which case use the maximum
Ground Water	Maximum, unless there are multiple rounds, in which case use the average concentration in the well with the highest concentration	Maximum, unless there are multiple rounds, in which case use the average concentration in the well with the highest concentration

Response — The Phase I HHRA will be revised to follow the recommendations for EPC derivation presented in the 1994 Region I Risk Update. For soil, the CTE and RME EPCs will be the lesser of the 95UCLM or the maximum. For ground water, the CTE and RME EPCs will be the maximum unless

there are multiple rounds, in which case the arithmetic mean concentration for the well with the highest detected concentration. This will be included in the Final Phase I HHRA.

SPECIFIC COMMENTS

Comment 10: **Page 2-21, 2-22, Sections 2.5.6.1 and 2.5.6.2:** The response to the original comment indicates that the text will be modified to reflect the appropriate levels. However, the original comment also requested that the distribution curve output of the IEUBK lead model be included with the results. The response does not indicate that the distribution curve output of the model will be included. Please also include the distribution curve output of the IEUBK lead model with the results.

Response — A distribution curve output from the model will be provided in an appendix of the HHRA.

Comment 16: **Tables 2.1 - 2.6.** As requested in the original comment, footnotes defining the data qualifiers will be added to these tables. To clarify the treatment of data associated with duplicate pairs, please provide an explanation of the treatment of duplicate pairs of sample results in Section 2.2.1.1, Data Quality Evaluation.

Response — The following text will be added to the end of the second paragraph in Section 2.2.1.1:

"For duplicate pairs in which only one sample was a non-detect, one-half the detection limit was used as a surrogate and the two samples were then averaged to represent the sample location."

Comment 19: **Tables 3.1 - 3.6:** In Tables 3.1 to 3.6, EPC values are identical for both the CTE and RME, as they should be (see response to Navy comment No. 7). The purpose of these columns in this RAGS D-type table is to identify the concentrations actually used for the CTE and RME risk calculations. However, Navy used the arithmetic mean concentration as the EPC for CTE calculations for both soil and groundwater. If the arithmetic mean concentration is used for calculating risk, it should be identified in the EPC columns. The fact that Navy's contractor put the correct values in the EPC columns, suggests that they knew that these concentrations were those that were supposed to be used for both the CTE and RME calculations. Another example of incorrect use of these tables is the fact that the maximum concentration was identified as the EPC for several chemicals in groundwater in Table 3.6, but these maximum

concentrations were not used in the risk calculation tables. For instance, the maximum detected concentration (5E-01 μg/l = 5E-04 mg/l)) of chloroform in Table 3.6 was identified as the EPC for both the CTE and RME. However, the concentration actually used (in Table B-37) for calculation of risk was 8.01 E-04 mg/l for the RME and 1.1E-03 mg/l for the CTE. The latter concentration is the average groundwater concentration from Table 3.6, not the maximum as stated under the EPC columns of Table 3.6. These spot checks and the incorrect use of average concentrations indicate that many of the EPCs identified in the EPC columns of Tables 3.1 to 3.6 were not actually used in the risk calculations. Tables 3.1 to 3.6 should be revised so that the concentrations in the EPC columns are those actually used in the CTE and RME risk calculations. As mentioned in the response to Navy comment no. 7, only the RME risk calculations for groundwater need to be revised since remedial decisions will be based on RME risks.

Response — Tables 3.1 through 3.6 will be revised to reflect the recommendations of the 1994 Region I Risk Update as stated in the previous response to Comment 7, above.

Comment 30: **Attachment B:** Evaluation of some responses to comments will require review of the final HHRA. Discrepancies associated with the central tendency intake calculations were found in the original review of the HHRA. Any corrections to these calculations will require review when the final HHRA is issued.

Response — Comment noted.

Comment 31: **Table B-42:** As in the Response to Specific Comment 30, the corrections associated with the averaging time used in Table B-42 will require a review of the final HHRA.

Response — Refer to the response to Comment 30, above.

NAVY'S RESPONSES TO EPA'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT

GENERAL COMMENTS

Comment 1: The Navy disagrees with several suggestions for additional or alternative analyses based on the argument that the approved final work plan did not include such analyses. The Navy response to some other suggestions is that the issue raised by the comment "may be discussed" as part of the Phase II RI. EPA reiterates that the results of the draft screening level ecological risk assessment indicate that screening level sediment concentrations exceed ERL benchmarks; therefore, a baseline ecological risk assessment may be required under CERCLA to determine whether these potential risks are significant.

Although the Navy response to NOAA comment No. 3 supports the conclusion that contaminant concentrations have diminished appreciably since 1990, the available 2001 sediment sample data indicate that ERLs are exceeded by arsenic, copper, lead, nickel, chrysene, fluoranthene, pyrene, DDT, and PCB. According to the Navy response to NOAA comment No. 3, the Navy is not convinced that a baseline ERA for the sediment is appropriate because the screening level HQ values are less than 10, the area of sediment is small, and natural attenuation may be occurring. These arguments have some merit, but they should be discussed further as part of the Phase II RI, along with the comments identified below that for which the Navy has deferred further discussion.

Response — Any additional sediment work will be discussed and incorporated via an addendum to the Site 16 Phase II Remedial Investigation (RI) Quality Assurance Project Plan (QAPP). The related data quality objectives will be formulated as part of that addendum that is scheduled for Winter 2002.

Comment 2: The original comment cautioned that not using adequate literature BCFs for dioxins/furans might underestimate ecological risk. The response (also the response for Specific Comment 22) states that using the BCF of 1.59 for 2,3,7,8-TCDD would not alter the SLERA results, as the HQ for the robin is already greater than 1.0. This is an accurate response; the reviewer calculated an HQ of approximately 4 for dioxins for the robin using BCFs of 0.009 for plants and 1.59 for invertebrates, and the life history parameters

provided in the report. It is also recognized that the HQ for the red fox is so low that a revision in the BCF would not alter the results of the SLERA. For the record, however, the source referenced in the original comment does provide soil-mammal BCFs for dioxin compounds, contrary to the response.

Response — Comment noted.

Comments 3, 4, 5, 8, 13: The response notes that the Work Plan did not mandate this assessment. It is recognized that the Work Plan did not mandate this work. The Navy further states that the particular issues raised by these comments "may" be discussed as part of the Phase II RI. We suggest that this discussion must occur (rather than may occur) before EPA can agree that a baseline ecological risk assessment is unnecessary.

Response — In regards to original EPA Comments 3, 4, 5, and 13, and as touched upon in the Navy's response to EPA Comment 1 above, the Navy plans on including the items outlined by EPA in discussions related to the formulation of data quality objects for additional investigation related to sediment for Site 16 for an addendum to the Site 16 Phase II RI QAPP.

In regards to original EPA comment 8, the Navy will include a comparison of detected sediment concentrations to ERM values in an appendix of the Final Phase I SLERA. Additionally, as suggested by EPA, the Navy will include a discussion of this comparison in the uncertainty section of the SLERA.

NAVY'S RESPONSES TO RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT FEBRUARY 2002

GENERAL COMMENTS

Comment 1: Page 2, Section 1.1.1, Environmental Setting of Site 16, Paragraph 2, Sentence 3 - "Non-hydric plants dominated this rip rap area, and site-visit participants agreed that the area lacked wetland characteristics." – Please revise the sentence to state that under RIDEM wetland regulations open waters are considered to be wetlands whether they exhibit wetland characteristics or not.

Navy Response: We acknowledge the designation of open water as wetland in RIDEM (and federal) regulations. However, the SLERA was not directed at the open water of Allen Harbor, rather it was restricted to the terrestrial landmass at Site 16.

RIDEM Comment: While the SLERA was directed at the terrestrial landmass, a portion of the site abuts Allen Harbor which is open water. Simply because the plants, in this area, lack wetland characteristics does not mean that the area is not a wetland. Therefore, please revise the sentence as noted in the original comment.

2nd Navy Response: The following will be added to the text: "However, per the designation of open water as wetland in RIDEM (and federal) regulations, there is a wetland (Allen Harbor) located adjacent to the site."

Comment 2: Please state if the Navy has determined whether there are any rare or endangered species at this site.

Navy Response: The following sentence will be inserted at the end of Section 1.1.1 of the SLERA: "No rare or endangered species were identified during the site visit and examination."

RIDEM Comment: Please state if the Navy has coordinated with the Rhode Island Heritage Program 401-222-4700 ext. 4316 (Jane Calo).

2nd Navy Response: Based on the 1 April 2002 letter received from the RIDEM Heritage Program, '...there are no rare or endangered species or exemplary natural communities within Site 16'. This will be referenced in the Final Phase I RI SLERA text and a copy of the letter will be appended.

NAVY'S RESPONSES TO RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 PHASE I REMEDIAL INVESTIGATION REPORT FEBRUARY 2002

GENERAL COMMENTS

Comment 1: Table 4-2, VOC Detected in Soil Samples - For Wells MW16-07S, MW16-07 dup., MW16-14D, and SB16-28 the detection limit for 1,1,-Dichloroethene and Vinyl Chloride are above the RIDEM residential direct exposure criteria. The Navy will need to resample to determine if there is an exceedance of these compounds at these locations. This could determine whether a residential deed restriction is required at these locations or some form of remediation is required.

Navy Response: Soil Sample MW16-14D was collected from 57.5 to 59.5 ft below ground surface (bgs) and is deeper that the RIDEM residential direct exposure criteria considers. The remaining samples were collected from 5 to 7 ft bgs (MW16-07S and MW16-07 dup) and 4 to 6 ft bgs (SB16-28) where elevated concentrations of other compounds have resulted in the increased detection limits. Resampling would not be expected to change the detection limits for samples from these locations.

RIDEM Comment: Please explain how the detection limits change based on elevated concentrations of other compounds and how this problem can be overcome. The concern is that the Navy may perform a remedial action that is not necessary.

2nd Navy Response: Based on discussions with the laboratory, for the SB16-28-04-06 sample, a lower detection limit was run and was in the hardcopy of the lab report, but not the EDD. This data provides a detection limit below the RIDEM residential direct exposure criteria for 1,1,-dichloroethene (200 μg/kg criteria with detection limit of 7 μg/kg) and vinyl chloride (20 μg/kg criteria with detection limit of 15 μg/kg).

The MW16-14D-57.5-59.5 sample had been analyzed at a lower detection limit, but the results had inadvertently not included in the report. These results have since been received and data validation completed. This data provide a detection limit below the RIDEM residential direct exposure criteria for 1,1,-dichloroethene and vinyl chloride.

Because the apparent sheen and odor of the MW16-07S-5-7 (and Dup) samples, they were directly analyzed at the medium level detection limit. During the Phase II RI, a sample from this depth interval will be collected within approximately 3 to 5 ft of MW17-07S for TCL VOC (at lower detection limits), oil and grease, and petroleum fingerprinting analyses.

Regarding the issue of how the detection limits change based on elevated concentrations of other compounds, the presence of a large peak on a gas chromatogram for compound with elevated concentration could have a broader peak base that could cover (hide) low concentration (small) peaks located close by on the chromatogram, increasing the detectable level of the small peak compound(s).

Comment 2: Section 5.7, Human Health Risk Assessment – The Navy utilized the Method 1 criteria of the RIDEM Site Remediation Regulations (amended 1996) to evaluate risks in the various media associated with this site. The Navy has concluded that there are no concerns for site soil and seep water. RIDEM disagrees with this conclusion. Various PAH compounds and metals are in exceedance of RIDEM Residential Exposure Criteria for both the soil and sediment samples. Therefore, RIDEM will require some form of remediation. Please note that many of the exceedances are in the marina area which is considered recreational in nature and therefore subject to the RIDEM Residential Direct Exposure Criteria.

Navy Response: The Human Health Risk Assessment was submitted as a separate document from the Draft Phase I RI Report, and followed the required EPA guidance for a CERCLA site.

RIDEM Comment: The Navy correct in that the Human Health Risk Assessment followed EPA guidance for a CERCLA site. Please be advised that this does not meet RIDEM requirements and therefore, RIDEM does not accept the results of said study.

2nd Navy Response: Comment noted. However, please note that the Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.

NAVY'S RESPONSES TO RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 HUMAN HEALTH RISK ASSESSMENT FEBRUARY 2002

GENERAL COMMENTS

Comment 1: The Navy has not yet to responded to RIDEM's 21 December 2001 Human Health Risk Assessment Comments.

Response — The Navy's responses to RIDEM's 21 December 2001 Human Health Risk Assessment Comments were submitted on 7 February 2001.

NAVY'S RESPONSES TO RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT'S COMMENTS TO THE RESPONSE TO COMMENTS ON THE DRAFT SITE 16 HUMAN HEALTH RISK ASSESSMENT FEBRUARY 2002

RIDEM Comment 1: Page 2-2, Section 2.1.3, Exposure Pathways and Receptors of Concern, Paragraph 3 – This paragraph notes that the residential scenario is included in this analysis as a conservative measure. Please revise this to state that the residential scenario is included because the land associated with the marina is subject to RIDEM residential criteria.

Navy Response: As stated in the text, residential use of Site 16 is not expected in the future. Therefore consideration of residential exposure is to be conservative. This discussion will remain in the text.

RIDEM Comment: The response is not acceptable. Under RIDEM Remediation Regulations, amended 1996, Section 3.58, the marina constitutes an unrestricted outdoor recreational area and is therefore subject to RIDEM Residential Exposure Criteria. Please revise the document in accordance with comment 1.

2nd Navy Response: The Navy understands RIDEM's view, and will address this issue in the Phase II RI HHRA. The following will be added to the Conclusions section of the Phase I RI HHRA:

1) RIDEM disagrees with some of the methodology of this Phase I RI risk assessment.

2) Additional ground-water and soil data will be collected as part of the Phase II RI. This data will be used to develop a Phase II RI risk assessment.

3) The Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.

RIDEM Comment 2: Page 2-3, Section 2.1.3, Exposure Pathways and Receptors of Concern, Paragraph 2 – This section notes that surface soil is evaluated from 0 to 2 ft. below ground surface for the recreation scenario. As noted above, the recreation scenario is to be evaluated under residential conditions under RIDEM Remediation Regulations, amended 1996. Residential soil is to be evaluated from the surface to the top of the water table, not just the top two feet. Please revise the analysis accordingly.

Navy Response: The HHRA evaluation, including the definitions of the media of concern, follows the EA March 2000 Site 16 RI Final Work Plan. Total soil (surface

and subsurface soil, combined) is evaluated for the residential scenario. As a recreational receptor is only expected to contact surface soils, this receptor is evaluated for surface soil. As the recreational receptor is only likely to contact surface soils and this is in accordance with the work plan, the risk assessment will not be revised.

RIDEM Comment: Section 8.02(A)(i)(2) of the Remediation Regulations defines the residential exposure criteria to be applied throughout the vadose zone, except as noted. The marina portion of this site is subject to the residential criteria. The analysis will need to be revised accordingly.

2nd Navy Response: Refer to the response to Comment 1, specifically 'The Navy will issue a Phase II RI risk assessment that will address RIDEM regulations.'

RIDEM Comment 3: Page 2-3, Section 2.1.4, Risk Based Screening, Paragraph 1, Sentence 2 – This sentence states that any analyte in any medium for which the maximum measured concentration exceeded the risk-based screening concentration is retained as a COPC. This implies that if the concentration is below the risk-based screening concentration then the compound is no longer considered. Under the RIDEM Remediation Regulations, amended 1996, compounds cannot be excluded from the risk analysis until it is shown that there is no risk from that compound.

Navy Response: The HHRA evaluation, including the screening analysis, follows the EA March 2000 Site 16 Final RI Work Plan. The screening analysis follows both EPA Region I (Risk Update 5) and federal EPA (RAGS A, 1989) risk assessment guidance. As explained in the text and in these standard guidance documents, the screening values used in the screening analysis are highly conservative; a comparison of the maximum detected compound in a medium to the medium-specific screening value demonstrates no risk for that compound. The screening analysis will not be revised, but text will be added to the screening analysis discussion to clarify this.

RIDEM Comment: Sections 8.01(A & B) of the Remediation Regulations states in part that any individual carcinogenic/non-carcinogenic substance cannot individually exceed a certain level and cumulatively cannot exceed a certain level. The only way to ascertain that this criteria is met is to carry all detected compounds throughout the HHRA, i.e. compounds cannot be dropped out of the analysis because they are below some screening level. Therefore, it will need to be demonstrated that those compounds screened out of the analysis either individually or cumulatively do not pose a health risk.

2nd Navy Response: The following text will be added to the HHRA to clarify the conservative nature of the screening analysis:

"The Region 9 PRG table utilizes standard Region 9 EPA recommended exposure factors (e.g., residential exposure frequency is conservative at 350 days per year) to estimate contaminant concentrations that are considered protective of human health (EPA 2002). They are intended to be conservative and are applicable for use in a screening assessment to eliminate chemicals that are detected at levels below concern to streamline the risk assessment process (EPA 1989). The screening values used in this HHRA are based on specific, conservative fixed levels of risk. For carcinogens, this is 10^{-6}, which is the lower bound for potential acceptable carcinogenic risk as defined by the NCP (EPA). For non-carcinogens, the screening values are based on 0.1, which is one tenth of the acceptable non-carcinogenic threshold. These fixed risk levels are conservative to account for potential additivity or cumulative effects of multiple contaminants and are, thus, protective of human health. A more thorough discussion of acceptable risk is presented in Section 2.4, Risk Characterization, of the HHRA."

RIDEM Comment 4: General Comment – This risk analysis concludes in general that there are no unacceptable risks associated with this site from soil and sediment. Please be advised that this risk analysis does not conform to Method III RIDEM Remediation Regulations for determining risk at a site for the reasons noted above as well as others. Based on the data contained in the Remedial Investigation, for this site, various PAH compounds and metals are in exceedance of RIDEM Residential Exposure Criteria (Method I) for both soil and sediment samples. Therefore, RIDEM believes there are risks associated with these media. RIDEM does concur, however, that there are unacceptable risks associated with the groundwater.

Navy Response: The risk assessment evaluated PAHs and metals in soil per EPA federal and regional guidance and in accordance with the March 2000 work plan. Several PAHs and metals exceeded their screening values for soil and were then evaluated for potential risk in the risk assessment. The results of the risk assessment indicated that there are no unacceptable risks for soil at Site 16. The application at this point of RIDEM's non-site-specific values as the sole indicator of risk is not applicable in that the site-specific risk assessment has demonstrated no unacceptable risk.

Sediment was not included in the HHRA (in accordance with the March 2000 work plan).

RIDEM Comment: Based on the above comments it should be clear that this human health risk analysis does not meet the requirements of a site specific risk analysis in compliance with RIDEM Remediation Regulations. In order to keep the Navy in compliance with RIDEM regulations the only alternative left is to

compare the sample results with the Method 1 Criteria. Based on this there are exceedances for PAHs and metals under a residential scenario within the marina area. If the Navy wishes to perform a HHRA meeting RIDEM regulations because they believe that there is no risk at this site from soils it is more than welcome to do so. If not, RIDEM will utilize the Method 1 Criteria which demonstrates there is a risk from soils at the site and will require remedial action to abate the risk.

2nd Navy Response: Refer to the response to Comment 1.