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Virginia

Draft Final

Phase II RCRA Facility Investigation Report

Table 1 Solid Waste Management Units

Volume I

June 1995

49th FIGHTER WING

49 CES/CEV
Holloman Air Force Base,
New Mexico

PURPOSE OF DOCUMENT

A. This Phase II Resource Conservation and Recovery Act (RCRA) facility investigation report documents the investigation of seven solid waste management units (SWMUs) and two areas of concern (AOCs) on Table 1 of Holloman Air Force Base's (AFB's) Hazardous and Solid Waste Amendments permit. This document was prepared for, and in cooperation with, the Base Environmental Office: 49 CES/CEV, 550 Tabosa Avenue, Holloman AFB, NM, 505/479-3931.

B. Information contained in the report will be used to support the RCRA corrective action program and was also prepared to comply with the Installation Restoration Program.

C. The primary objective of the investigation was to address the concerns of the U.S. Environmental Protection Agency and the New Mexico Environment Department pertaining to these SWMUs and AOCs.

D. The report describes the regulatory framework and environmental setting; contains data evaluation criteria; and presents results, conclusions, and recommendations for each SWMU and AOC.

E. Site closure (no further action), conditional site closure (conditional no further action), or voluntary corrective action is recommended for each of the SWMUs and AOCs. Recommendations are based on results of the remedial investigation.

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PHASE II RCRA FACILITY INVESTIGATION REPORT

TABLE 1 SOLID WASTE MANAGEMENT UNITS
HOLLOMAN AIR FORCE BASE, NM

VOLUME I

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June 1995

VOLUME I

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LIST OF ACRONYMS

AFB	Air Force Base
AOC	Area of concern
bgl	Below ground level
BTEX	Benzene, toluene, ethyl benzene, xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMI	Corrective measures implementation
CMS	Corrective measures study
CNFA	Conditional no further action
COC	Chemical of concern
COPC	Chemical of potential concern
DCA	1,2-dichloroethane
DD	Decision document
DL	Detection Limit
DPT	Direct push technology
EM	Electromagnetic
EPA	U.S. Environmental Protection Agency
FS	Feasibility study
FS/CMS	Feasibility study/corrective measures study
FTA	Fire Training Area
HHSs	Human health standards
HQ-ACC	Headquarters-Air Combat Command
HSWA	Hazardous and Solid Waste Amendments
IRP	Installation Restoration Program
ITIR	Informal Technical Information Report
LNAPL	Liquid nonaqueous phase liquid
MIBK	4-methyl 2-pentanone
MS	Matrix spike
NCP	National Contingency Plan
NFA	No further action
NMED	New Mexico Environment Department

LIST OF ACRONYMS (Continued)

O/WS	Oil/water separator
POL	Petroleum, oil, and lubricants
QAPP	Quality assurance project plan
QA/QC	Quality assurance/quality control
RA	Remedial Action
RAO	Remedial action objective
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RLs	Reporting limits
RI	Remedial investigation
SARA	Superfund Amendments and Reauthorization Act
SC/NFA	Site closeout/no further action
SQCSR	Sampling quality control summary report
SVOCs	Semivolatile organic compounds
SWMUs	Solid waste management units
TDS	Total dissolved solids
TOX	Total organic halogens
TRPH	Total recoverable petroleum hydrocarbons
USACE	U.S. Army Corps of Engineers
UST	Underground storage tank
UTL	Upper tolerance limit
VCA	Voluntary corrective action
VOCs	Volatile organic compound

Section 1
INTRODUCTION

This report documents the results of a Phase II Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) of solid waste management units (SWMUs) and areas of concern (AOCs) at Holloman Air Force Base (AFB), New Mexico. The SWMUs and AOCs are a subset of those listed on Table 1 of Holloman AFB's federal Hazardous and Solid Waste Amendments (HSWA) permit.

1.1 Regulatory Framework

Since 1987, Holloman AFB has actively conducted an environmental restoration program. Initially the program was managed under the Air Force's Installation Restoration Program (IRP) but was integrated with the U.S. Environmental Protection Agency's (EPA's) RCRA corrective action program in 1991. A summary of the integration and how it applies to this investigation is provided below.

1.1.1 Installation Restoration Program

In 1983, Holloman AFB entered into the Air Force's IRP by conducting the *IRP Phase I Records Search* (CH2M Hill, 1983) that identified 41 sites. The IRP is a phased investigation and remediation program that follows the protocols of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the statutory amendments to CERCLA (the Superfund Amendments and Reauthorization Act [SARA]) requiring that federal facilities comply with the National Contingency Plan. Since 1987, Holloman AFB has been actively implementing their IRP program through remedial investigations (RIs), feasibility studies (FSs), and remedial actions.

1.1.2 RCRA Corrective Action Program

In September 1991, EPA Region VI issued Holloman AFB the HSWA portion of their RCRA operating permit. The HSWA portions of the permit required that sites identified by the EPA during a 1987 RCRA facility assessment (RFA) be included in an RFI. The HSWA permit divided the Base's 113 SWMUs into three separate tables on the basis of their perceived risk to human health and the environment. The SWMUs believed to have the highest potential for risk were included on Table 1 of the HSWA permit; SWMUs believed to have less potential for risk were placed on Tables 2 and 3. Each Table has a schedule for implementing an RFI.

1.1.3 Program Integration

As appropriate, the Base must comply with the IRP and RCRA corrective action program. Both are similarly phased and ultimately intended to ensure that contaminated sites that pose a threat to human health or the environment are remediated. Figure 1-1 presents a simplified comparison of the two programs, and is included because terminology from both programs are referenced and used in this report.

In the preamble to the proposed RCRA Subpart S regulations, the EPA encourages coordination between the two independent programs. Since its HSWA permit was issued, Holloman AFB has integrated the two programs to reduce duplicative efforts. This approach has been embraced by EPA Region VI and the New Mexico Environment Department (NMED).

The IRP began prior to the RCRA corrective action program at Holloman AFB; therefore, many of the investigation activities for the RCRA corrective action program have been completed under the IRP. Because the two programs did not begin concurrently, the terminology used for the IRP and the RCRA corrective action program varies depending on the

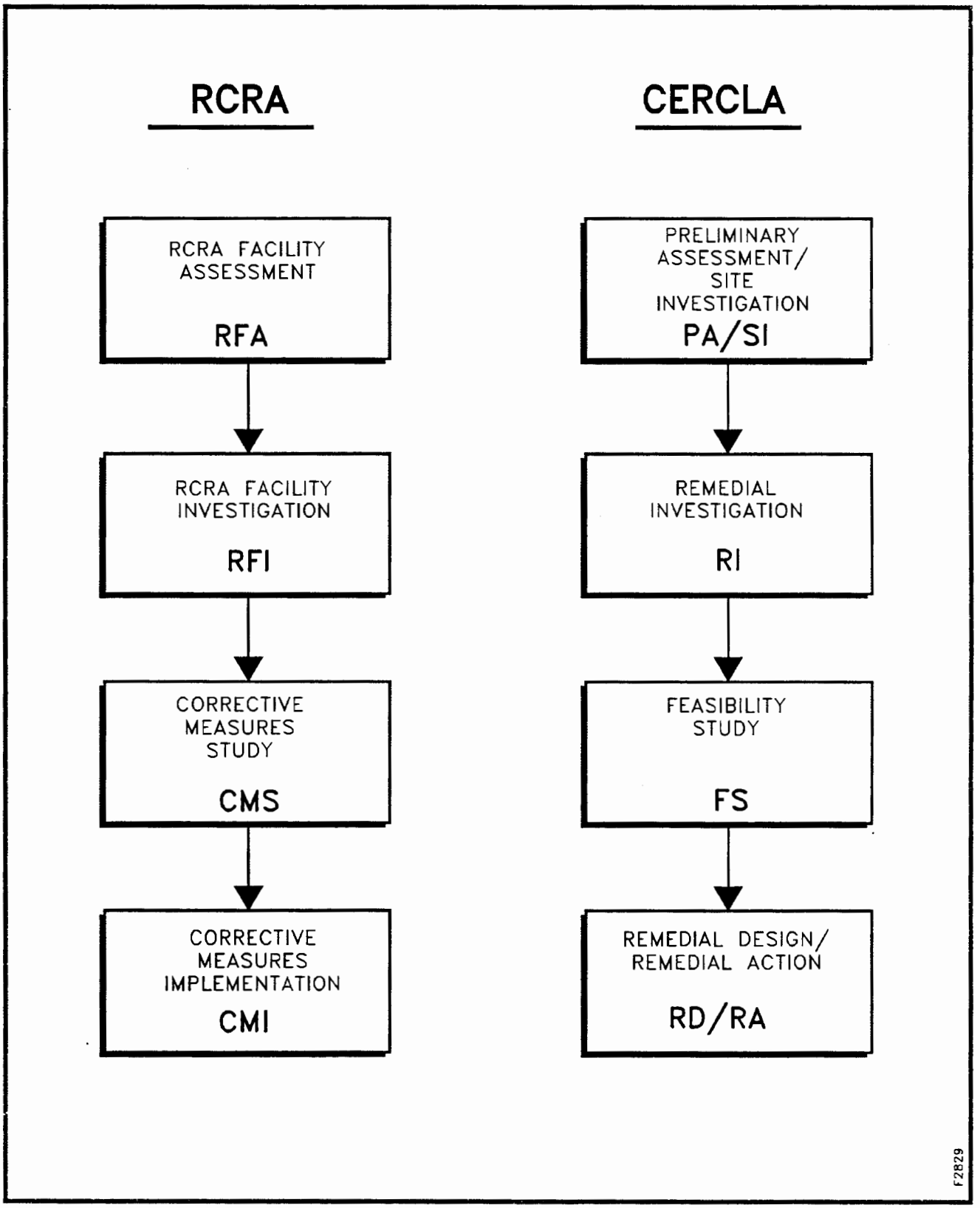

Figure 1-1. Comparison of RCRA Corrective Action Program and IRP Phases

time of the investigation and how the program was funded by the Department of Defense. Following are some of the issues that may cause some confusion between the two programs:

- Similar phases of the RCRA corrective action program and IRP have unique names and have both been used (i.e., RI vs. RFI).
- IRP sites and RCRA SWMUs have unique names and unique numerical or alphanumerical identifications. Both are provided initially in this report, but the SWMU name and identification will be used subsequently.
- Some IRP sites consist of multiple SWMUs, some of which are on different Tables in the HSWA permit. Holloman AFB made efforts to rectify this through Class I permit modifications, but some SWMUs still remain on separate Tables although they constitute only one IRP site. For example, IRP Site 31, the Fire Training Area (FTA), contains five SWMUs; two SWMUs are on Table 1 of the permit and three are on Table 2 of the permit.

Efforts are made in this report to clarify the history and terminology. All activities associated with this investigation and report are cited using the RCRA terminology.

1.2 Phase I Activities

Table 1 of the HSWA permit consists of 36 SWMUs, most of which are also IRP sites. The IRP sites and SWMUs have been investigated over several years and in many separate projects. Below is a summary of the reports that have addressed past investigations for the Table 1 SWMUs.

- Dames and Moore (1987)—*Confirmation/ Quantification, Stage 1 Investigation for Holloman AFB, NM* (referred to herein as the *1987 Confirmation Investigation*).
- Walk, Haydel, and Associates (1989a)—*Baseline Risk Assessment for Holloman AFB, NM* (referred to herein as the *1989 RA*).
- Walk, Haydel, and Associates (1989b)—*Remedial Investigation (RI) Report, Holloman AFB, NM* (referred to herein as the *1989 RI*).
- Radian Corporation (1992b)—*Remedial Investigation (RI) Report—Investigation, Study, and Recommendation for 29 Waste Sites* (referred to herein as the *29 Sites RI*).
- Radian Corporation (1992c)—*Risk Assessment (RA) Report for the Remedial Investigation—Investigation, Study, and Recommendation for 29 Waste Sites* (referred to herein as the *29 Sites RA*).

These investigations are considered to be the Phase I activities for the IRP and RCRA corrective action program. Table 1-1 summarizes activities that were conducted at the SWMUs in order to meet Phase I requirements.

1.2.1 1987 Confirmation and 1989 RI Reports

In 1987, Holloman AFB conducted the 1987 confirmation investigation to confirm the presence of contamination at two sites identified during the 1983 IRP records search and five sites that were identified afterward. Included in these seven sites were the FTA (FT-31) and AOC-P (OT-44). Subsequently, these seven sites were included in the 1989 RI and 1989 RA to determine the source, nature, extent, and potential risk posed by the contamination found during the 1987 investigation.

On the basis of the investigations, Holloman AFB prepared decision documents (DDs) in order to close some of the Phase I sites, including the FTA and AOC-P. However, NMED

Table 1-1
Investigation Activities at Table 1 SWMUs

SWMU	IRP Site	Preliminary Assessment	Phase I Activities			Phase II Activities		
		1983 IRP Records Search[a]	1987 Confirmation Investigation[b]	1989 RI[c]	1992 29 Sites RI[d]	1993 Predesign Investigation[e]	1994 Table 2 RFI[f]	1995 Table 1 Phase II RFI[g]
82	SD-08	X			X	X		X
102	OT-04	X			X			X
104	LF-29	X			X			X
132, AOC-A	OT-16[1]	X			X		X	X
134	OT-24	X			X			X
FTA[2]	FT-31	X	X	X			X	X
165, 179	OT- 39[3]	X			X		X	
178	OT- 36[4]	X			X		X	
197	OT-14	X			X			X
AOC-P	OT-44		X	X				X
AOC-T	SS-02 & SS-05	X			X	X		X

1 IRP Site OT-16 also contains one Table 2 SWMU (118).
2 The FTA (Fire Training Area) consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).
3 IRP Site OT-39 also contains two Table 2 SWMUs (177 and 181).
4 IRP Site OT-36 also contains one Table 2 SWMU (129).

a The 1983 *IRP Phase I Records Search* (CH2M Hill, 1983) was conducted to identify sites that may have been adversely impacted by past site activities.
b The 1987 *Confirmation/Quantification, Stage 1 Investigation Report* (Dames and Moore, 1987) conducted to determine the presence or absence of contamination at two sites identified during the 1983 *IRP Phase I Records Search* and five sites identified subsequent to the records search.
c The 1989 *Remedial Investigation (RI) Report* (Walk, Haydel, and Associates, 1989b) investigated the source and nature of contamination detected during the 1987 Confirmation/Quantification, Stage 1 Investigation. A risk assessment was conducted to determine the risks posed by the contaminants at each site.
d The 1992 *Remedial Investigation (RI) Report* (Radian, 1992b) determined the presence or absence of contamination at 29 IRP sites listed on Table 1 of the HSWA permit and the report also fulfilled the requirements of the Phase I RFI. Risk to human health and the environment posed by contamination (if present) was also evaluated during the investigation.
e The predesign investigation was conducted as part of the *1993 Feasibility Study—Investigation Study, and Recommendations for 29 Waste Sites* (Radian, 1993b) of the sites recommended for remedial action in the 1992 *29 Sites RI*. The 1993 predesign investigation determined the source and lateral extent of soil contamination exceeding the remedial action objectives (RAOs) established during the 1992 *CMS* (Radian, 1992a).
f The 1994 *Table 2 RCRA Facility Investigation (RFI)* (Radian, 1994a) consisted of a field investigation of SWMUs listed on Table 2 of the HSWA permit. Due to its proximity to several Table 2 SWMUs, SWMU 132 was included in this investigation.
g The 1995 *Table 1 Phase II RCRA Facility Investigation (RFI)* (Radian, 1995) was conducted to address EPA Region VI comments on the previous studies of SWMUs listed on Table 1 of the HSWA permit.

requested further investigation to 1) confirm that concentrations of total recoverable petroleum hydrocarbons (TRPH) at the FTA and AOC-P were less than the action level and 2) to define the extent of groundwater contamination at the FTA.

1.2.2 Investigation, Study, and Recommendation for 29 Waste Sites

In 1991 and 1992, Holloman AFB conducted an RI for 29 IRP sites. The objective of this investigation was to determine presence or absence of contamination and evaluate the potential risk to human health or the environment. The results are reported in the *29 Sites RI* (Radian, 1992b) and the *29 Sites RA* (Radian, 1992c). The investigation included most of the sites on Table 1 of the HSWA permit.

1.2.3 Results of Phase I Activities

On the basis of the RA and Phase I RI activities, recommendations were made. The recommendations ranged from site closeout/no further action (SC/NFA) to conducting a feasibility study/corrective measures study (FS/CMS). EPA Region VI and NMED reviewed the reports, as appropriate, and provided comments, direction, and requirements for future actions at each SWMU, which are summarized in Table 1-2. Some SWMUs required further investigation to adequately characterize the site. Comments from EPA Region VI (see Appendix C) were provided to Holloman AFB in a letter dated 3 November 1992.

In response to agency concerns, Holloman AFB prepared the *RCRA Phase II Facility Investigation Work Plan, Table 1 Solid Waste Management Units* (*Phase II Work Plan*) (Holloman AFB, 1993). This work plan was approved by EPA Region VI on 25 January 1994 in a letter from Allyn M. Davis to Howard E. Moffit (Appendix C). The *Draft RFI Report* was required to be submitted to EPA Region VI by 25 April 1995, but Holloman AFB requested and received an extension. The revised submittal date is 23 June 1995.

1.3 Phase II Activities

Implementation of the Phase II activities to address the regulatory agency concerns has been completed though several separate events based on the timing of other investigative activities such as an FS/CMS and the RFI for Table 2 SWMUs. Table 1-1 summarizes the Phase II SWMUs and the various investigations.

The SWMUs included in this report are those that need additional investigation to address EPA Region VI concerns and to implement site recommendations for the Table 1 SWMUs. Table 1-3 lists these SWMUs and Figure 1-2 shows the location of each.

Five Table 1 Phase II SWMUs (132, 165, 178, 179, and AOC-A) were investigated as part of the Table 2 RFI. The results are not presented in this report but are contained in the *Phase I RCRA Facility Investigation Report, Table 2 Solid Waste Management Units* (Radian, 1994a).

1.3.1 Phase II Objectives

The overall objective of the Phase II activities was to resolve regulatory agency concerns regarding the data collected for each SWMU during Phase I activities. The SWMU-specific data objectives are presented in Section 3.

1.3.2 Phase II Activities Summary

The SWMU-specific data objectives were used to focus the Phase II RFI and considerable thought was invested in determining the optimum approach. As a result, a variety of investigation methods and techniques were employed to collect the necessary data. These are summarized in the approved Phase II RFI work plan.

Following the field investigations and prior to preparation of this report, a quality assurance/quality control (QA/QC) review of the analytical data was completed. QC data associated with this investigation indicated that chemical data are acceptable and defensible. Data show that project

Table 1-2
Regulatory Agency Comments Regarding the Table 1 Phase II SWMUs

SWMU	IRP Site	Regulatory Comments
82	SD-08	1) Install additional soil borings to define the extent of soil contamination around the northwestern perimeter of the wash-rack. 2) Install additional monitor wells to delineate the full extent of organochlorine pesticide contamination in the groundwater. 3) Define the source and extent of volatile organic compounds in MW-08-01. 4) Notify EPA of newly identified SWMU(s) and associated releases.
102	OT-04	1) Determine whether a release has occurred. 2) Submit plan to conduct removal action/interim measure.
104	LF-29	1) Install additional monitor wells to provide adequate flow path coverage or install soil borings to determine contamination.
132, AOC-A	OT-16[1]	1) Determine full extent of organochlorine pesticide contamination in groundwater. 2) Determine full extent of organochlorine pesticide contamination in soil.
134	OT-24	1) Conduct periodic groundwater monitoring to verify VOC contamination in the two monitor wells.
FTA[2]	FT-31	1) NMED requested confirmation that TRPH concentrations in soils did not exceed 1000 mg/kg. 2) Extent of groundwater has not been delineated.
165, 179	OT-39[3]	1) Determine vertical extent of contamination in soil. 2) Determine extent of contamination in groundwater.
178	OT-36[4]	1) Install additional monitor wells to provide adequate flow path coverage or install soil borings to determine contamination.
197	OT-14	1) Clarify recommended further actions to reduce unacceptable risk to on-site workers.
AOC-T	SS-02 & SS-05	1) Identify the source of soil and groundwater contamination. 2) Determine full extent of groundwater contamination.
AOC-P	OT-44	1) NMED requested confirmation that TRPH concentrations in soils did not exceed 1000 mg/kg.

1 IRP Site OT-16 also contains one Table 2 SWMU (118).
2 The FTA (Fire Training Area) consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).
3 IRP Site OT-39 also contains two Table 2 SWMUs (177 and 181).
4 IRP Site OT-36 also contains one Table 2 SWMU (129).

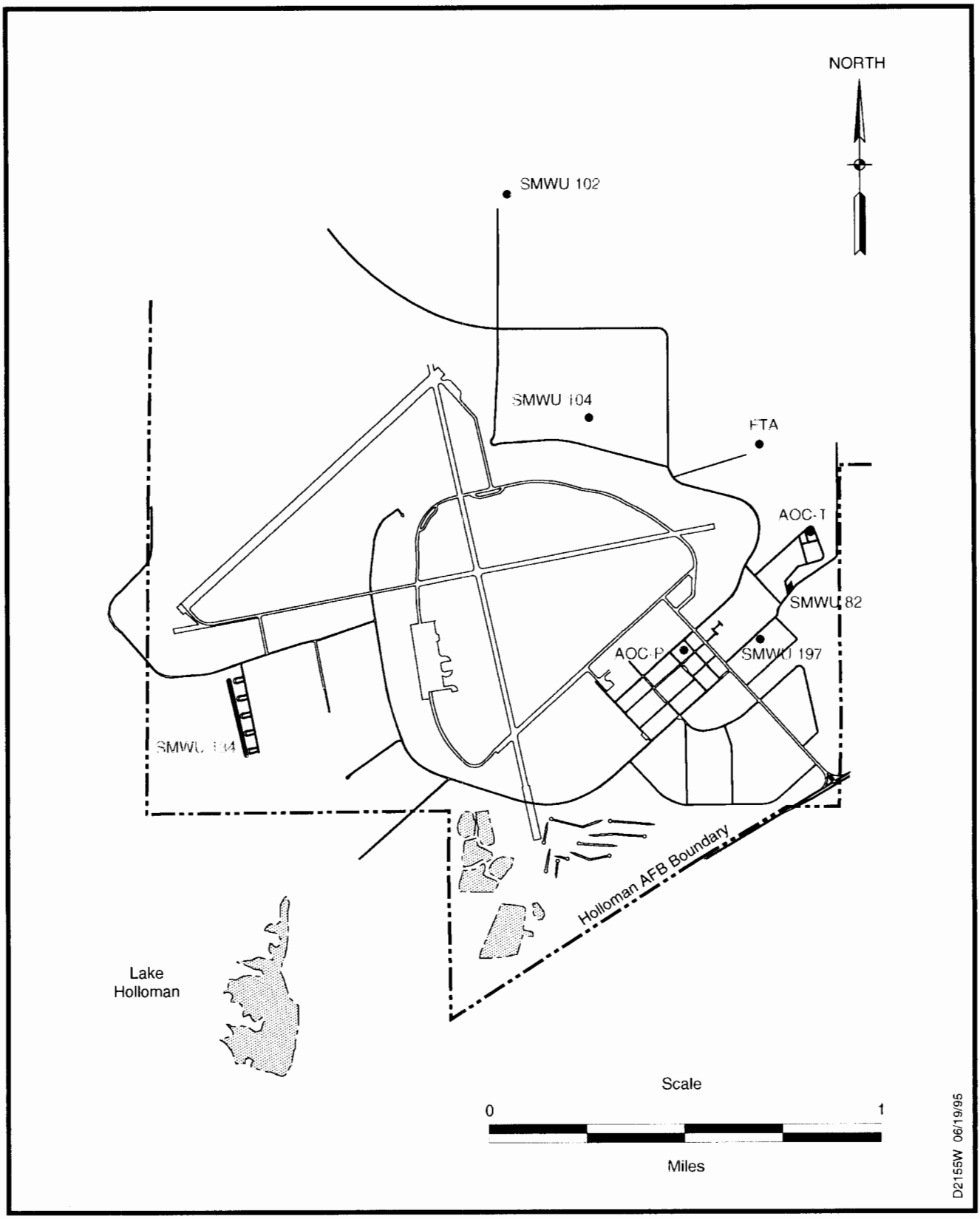

Figure 1-2. Solid Waste Management Units (SWMUs) Addressed by this Report

Table 1-3
Units Evaluated Under the Table 1 Phase II RFI

Table No.	SWMU No.	Unit Description
1	82	Refuse Collection Truck Washrack (IRP Site 8)
1	102	Acid Trailer Disposal Site (IRP Site 4)
1	104	Former Army Landfill (IRP Site 29)
1	134	Former Equipment Storage Area (IRP Site 24)
1	170	Fire Department Training Area-1 (IRP Site 31)
1	171	Fire Department Training Area-2 (IRP Site 31)
1	197	Former Entomology Site (IRP Site 14)
1	AOC-P	Building 301 Fuel Tank Leak (IRP Site 44)
1	AOC-T	POL Spill Sites (IRP Sites 2 and 5)

QC mechanisms effectively ensured that data reliability was within measured expected limits of sampling and analytical error. Data validation conclusions are presented in detail in the *Sampling and Quality Control Summary Report Table 1 Phase II RCRA Facility Investigation* (SQCSR) (FWEC and Radian, 1995).

Table 1-4 summarizes the conclusions reached for each SWMU evaluated within this report. Section 4 presents the site-specific results for each SWMU evaluated under the Table 1 Phase II RFI.

The *Phase I RCRA Facility Investigation Report, Table 2 Solid Waste Management Units* (Radian, 1994a) presents the site-specific results for SWMUs 118, 132, and ACC-A (OT-16); SWMUs 129 and 178 (OT-36); and SWMUs 165, 177, 179, and 181 (OT-39).

The project goal and data objectives for each SWMU were met and no further investigation is required.

1.4 Project Organization

The contractor project team for the Table 1 Phase II RFI included:

- Foster Wheeler Environmental Corporation (Prime Contractor);
- Radian Corporation (RFI Contractor);
- Geo-Test, Inc. (drilling, field support services);
- Target (soil gas, geoprobe, on-site chemical analyses);
- Western Lands Surveying (Sureying Services);
- Quanterra, Inc. (Analytical Laboratory Services); and
- Thiokol (unconventional fuels anlayses).

Table 1-4
Summary of Phase II RFI Conclusions

SWMU	IRP Site	Objective	Conclusion	Recommendations
82	SD-08	Define extent of organochlorine pesticides in soil above health-based cleanup criteria.	Extent of organochlorine pesticide concentrations above the health-based cleanup criteria is limited primarily to the shallow soils in southern half of the refuse yard.	VCA and LTM; an impermeable cap over the affected soils will mitigate risk by eliminating the exposure pathway.
		Define extent of organochlorine pesticides in the groundwater.	Extent of elevated organochlorine pesticide concentrations is limited to an area immediately downgradient of the site but does not extend further downgradient.	
102	OT-04	Determine whether selenium concentrations are above the background concentrations in the groundwater.	All selenium concentrations were detected below the Basewide background UTL.	NFA
104	LF-29	Determine whether a release to groundwater has occurred at the site.	There is no evidence that a release from the site has occurred. VOCs in an upgradient monitor well were detected at much higher concentrations than in downgradient wells. The upgradient contaminant source is unknown at this time.	NFA: Separate investigation to determine the upgradient source.
134	OT-24	Confirm the presence of BTEX in two monitor wells, and define the source (if present).	The presence of BTEX was not confirmed in the two monitor wells during the Phase II RFI. BTEX was detected in two isolated groundwater samples collected during field screening.	NFA
FTA[1]	FT-31	Define the extent of soil contamination.	Extent of TRPH contamination above the Base-specific cleanup level is limited to three distinct areas: SWMU 170, the oil/water separator area (SWMUs 39, 127, and 135), and near the JP-4 tank.	CNFA; the condition of NFA is the remediation of TRPH soil contamination
		Define extent of groundwater contamination.	Extent of BTEX contamination was primarily limited to the immediate oil/water separator area but not further downgradient. Low levels of BTEX were detected in wells downgradient of SWMU 170 and SWMU 171. Low levels of chlorinated VOCs were limited to a small area near the JP-4 tank.	
197	OT-14	Define extent of organochlorine pesticides in soil above health-based cleanup criteria.	Extent of organochlorine pesticide concentrations above the health-based cleanup criteria is limited to a band that runs east to west in the central portion of the site and extends to a depth of approximately 2 ft below ground level.	VCA: An impermeable cap over the affected soils will mitigate risk by eliminating the exposure pathway.
AOC-P	OT-44	Confirm TRPH concentrations are below 1000 mg/kg.	TRPH concentrations above 1000 mg/kg are limited to a localized area in the northern portion of the site.	VCA: TRPH soil contamination will be remediated.

Table 1-4
(Continued)

SWMU	IRP Site	Objective	Conclusion	Recommendations
AOC-T	SS-02 & SS-05	Identify source and extent of TRPH-contaminated soil	TRPH contamination is limited to the mounded area and extends to groundwater.	CNFA and LTM; the condition of NFA is the remediation of TRPH soil contamination.
		Define extent of BTEX contamination in the groundwater	BTEX contamination extends downgradient of the mounded area both to the northeast and southeast and terminates near the eastern edge of Dillard Draw. Groundwater does not discharge to the Draw.	

BTEX = Benzene, toluene, ethylbenzene, and xylenes.
CNFA = Conditional No Further Action.
LTM = Long-term monitoring.
NFA = No Further Action.
UTL = Upper tolerance limit.
VCA = Voluntary Corrective Action.
VOCs = Volatile organic compounds.

[1] The FTA consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).

Section 2
ENVIRONMENTAL SETTING

Section 2 describes the environmental setting of Holloman AFB, New Mexico. Detailed discussions of physiography, geology, and hydrogeology are presented. These discussions were compiled from existing Base records, published literature, previous reports, and this field investigation.

2.1 Geography

Holloman AFB is situated in south-central New Mexico, in the northwest-central part of Otero County (Figure 2-1). The Base occupies about 50,000 acres in the northeast quarter of Township 17S, Range 8E. Additional land extending northward is occupied by the White Sands Missile Range testing facilities. Privately and publicly owned lands border the remainder of the Base. The major highway serving the Base is Highway 70, which runs southwest from Alamogordo and forms a boundary between the Base and public lands. Alamogordo is located approximately 7 miles east of the Base. With a population of approximately 31,000, it is the only town of appreciable size within 40 miles of the Base. Holloman AFB has a population of approximately 5500.

2.2 Physiography

The Base is located in the Tularosa Basin, which is bound by the San Andres mountains (approximately 30 miles) to the west and the Sacramento mountains approximately 10 miles to the east. The basin's interior plain has low relief, with altitudes ranging from about 4000 ft in the southwest to about 4400 ft in the northeast. The surrounding mountains rise abruptly to altitudes of 7000–12,000 ft.

The climate in the Tularosa Basin is arid, with low annual rainfall and low relative humidity. The surrounding mountain ranges greatly influence local weather. They modify approaching weather systems and provide orographic lifting, which produces summer thunderstorms. Mean annual precipitation is 7.9 in., mostly from thunderstorm activity from May through October. Winter is generally dry and is characterized by clear skies and erratic snowfall. The period from March through May is characterized by strong southerly wind flow and periods of blowing dust and sand.

The mean annual lake evaporation rate, commonly used as an estimate of the mean annual evapotranspiration rate, is approximately 67 in. per year. Therefore, the annual net precipitation (mean annual net precipitation minus mean annual evapotranspiration) for the Holloman AFB area is approximately -59 in. per year, representing a net loss in groundwater from evapotranspiration.

2.3 Geology

The Tularosa Basin is a bolson, or a basin that has no surface drainage outlet. Bolson deposits are sediments carried by water into a closed basin. The bolson fill in the Tularosa Basin is derived from the erosion of limestone, dolomite, and gypsum in the surrounding mountains. Coarser material is deposited at the base of the mountains; finer material is carried to the basin's interior. The near-surface bolson deposits consist of sediments that are of alluvial, eolian, lacustrine, or playa origin.

Alluvial fan deposits are characteristically laterally discontinuous units of interbedded sand, silt, and clay. The eolian deposits consist primarily of gypsum sand. Alluvial and eolian deposits are often indistinguishable because of the reworking of alluvial sediments by eolian processes. Lacustrine or playa deposits in the area consist of clay containing gypsum crystals. Lacustrine deposits are

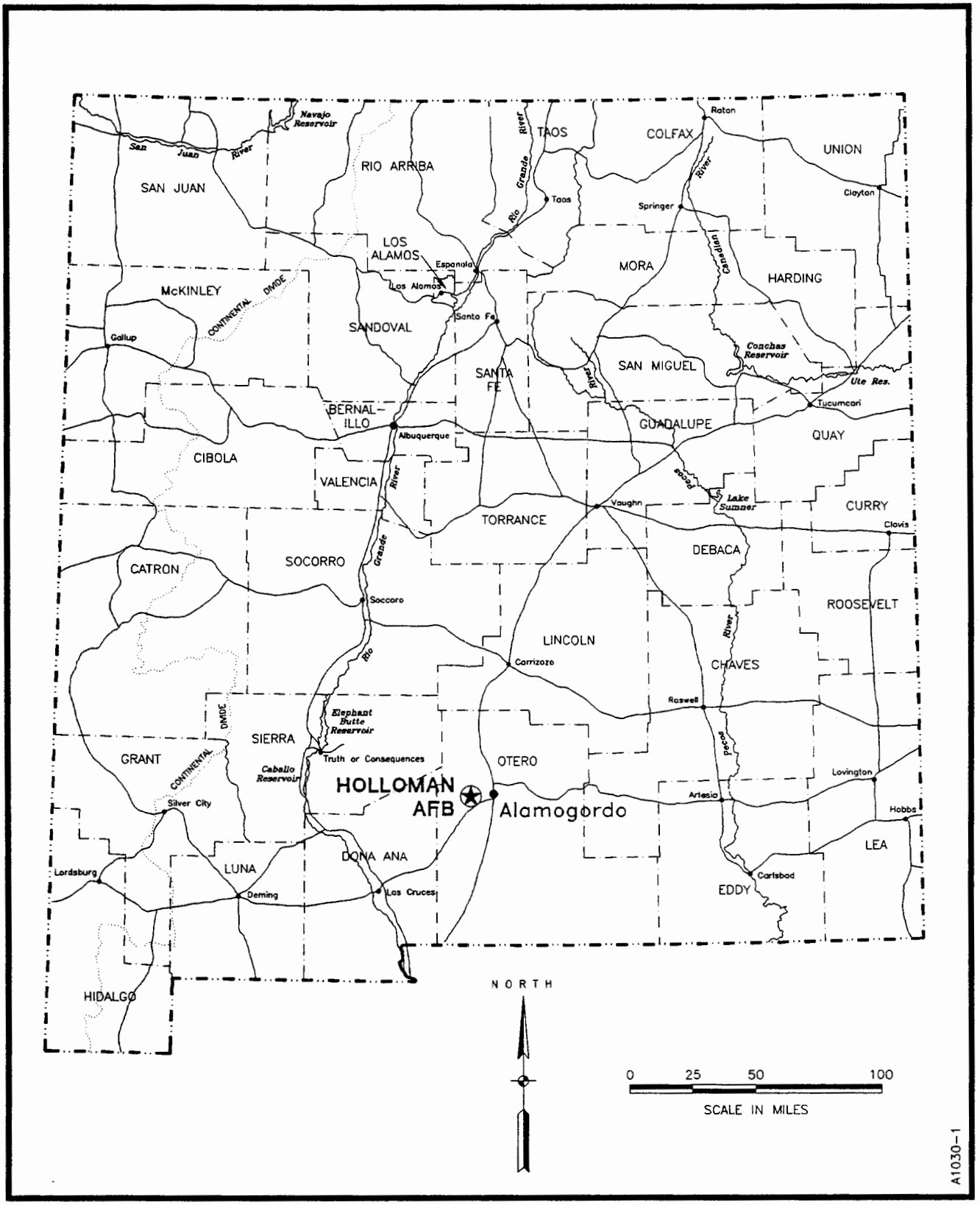

Figure 2-1. Location of Holloman AFB

juxtaposed with alluvial fan and eolian deposits throughout the Base (*29 Sites RI*—Radian, 1992b).

2.4 Current and Future Land Use

Land use surrounding Holloman AFB consists of residential areas to the east and northeast (Alamogordo), rangeland to the south, the White Sands National Monument to the west, and military activities to the north. The desert terrain of the area surrounding Holloman AFB has limited development in the immediate vicinity. There are no agricultural operations, residential communities, or large industrial operations located adjacent to the Base.

Holloman AFB is an active military installation and is expected to remain active for the foreseeable future. No transfer of military property to the public domain is anticipated. Public access to the Base is restricted.

Residential development on Base is limited by environmental and operational constraints, which include the 100-year floodplain, historic sites, and areas identified under the IRP. Safety and noise zones also limit residential development on Base. Future plans for residential development on Base include renovation of existing structures, replacement of inefficient buildings, and expansion into open areas in the southeast corner of the Base (*Horizons 2000 Facility Improvement Plan II*, 1987). Future land use is not expected to differ significantly from current land use practices.

2.5 Hydrogeology

Both surface water and groundwater contribute to the hydrological setting at Holloman AFB.

2.5.1 Surface Water

Since the Tularosa Basin is a closed basin with no surface water outlet, water is lost to evaporation, transpiration, and infiltration, or collects in Lake Lucero, the lowest point in the basin, approximately 20 miles southwest of Holloman AFB.

The Base is crossed by several southwest-trending arroyos that control surface drainage in the undeveloped part of the Base (see Figure 2-2). These arroyos consist of Hay Draw, in the far northern part of the Base; Malone Draw and Rita's Draw, which drain into Lost River; and Dillard Draw to the east, which runs in a southwesterly direction along the eastern and southern boundaries of the Base. Lost River, the largest arroyo, is dammed near the western boundary of the Base. Runoff from Lost River, Malone Draw, and Rita's Draw collects in the dammed area. Drainage within the developed portions of the Base flows through ditches and culverts to various outfall areas.

The wastewater treatment system at Holloman AFB consists of seven aeration/ evaporation lagoons. Southwest of these lagoons, a natural playa lake known as Lake Holloman receives some runoff from the Base as well as effluent from the sewage lagoons. A dam/dike has been constructed across the southern quarter of Lake Holloman. Seepage overflow from Lake Holloman filled an existing small playa lake known as Lake Stinky.

2.5.2 Groundwater

To understand the effects of groundwater on the environmental setting, groundwater flow and groundwater quality must also be understood.

Groundwater Flow

Groundwater occurs under unconfined conditions in the unconsolidated bolson deposits beneath Holloman AFB. The primary source of recharge for groundwater in the bolson aquifer is percolation of rainfall and stream runoff through the coarse, unconsolidated alluvial fan deposits along the western flank of the Sacramento Moun-

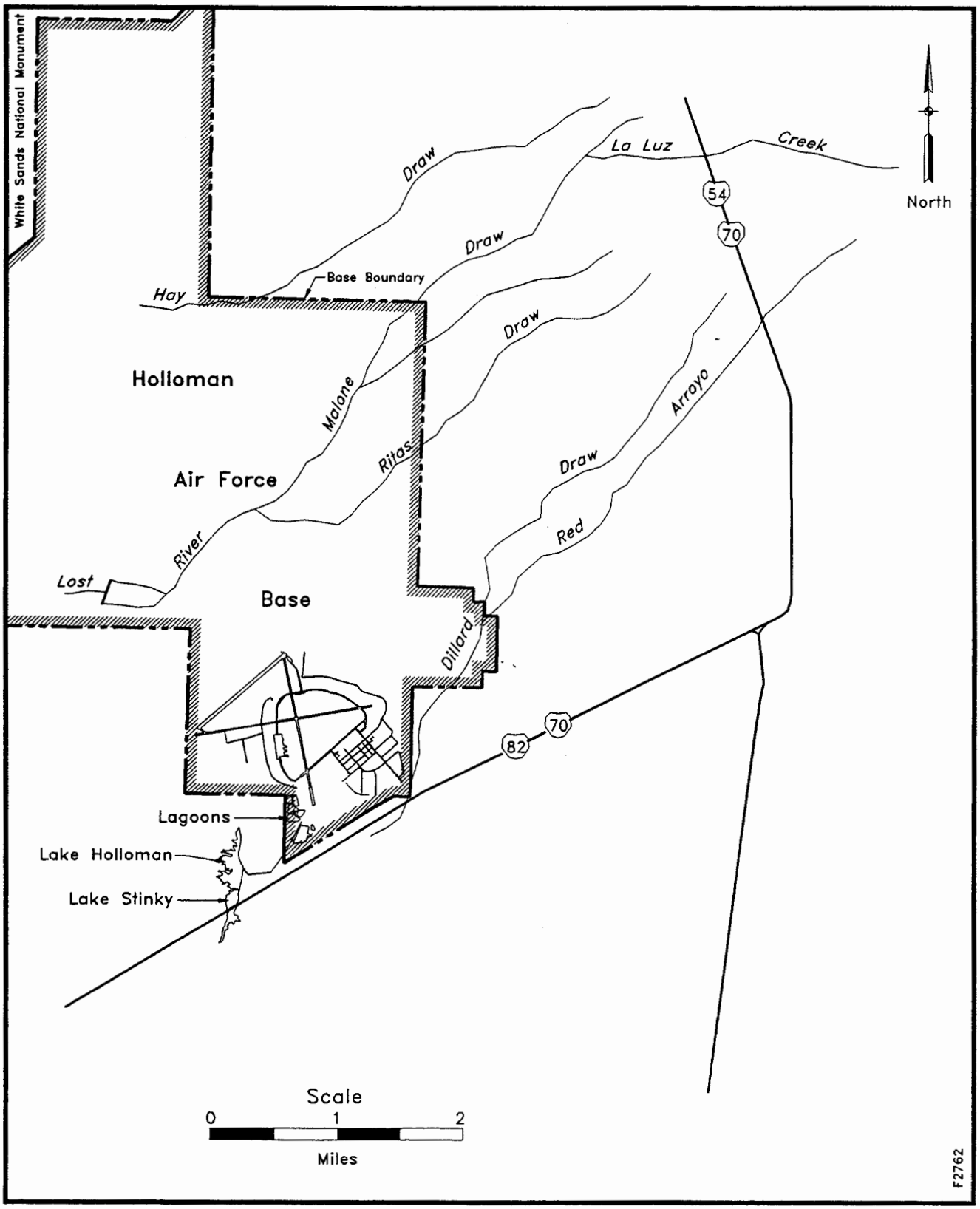

Figure 2-2. Surface Drainages at Holloman AFB

tains. Water migrates downward into the bolson fill aquifer and flows downgradient through progressively finer grained sediments into the basin. Beneath Holloman AFB the depth to groundwater ranges from less than 5 to nearly 50 ft below ground level (bgl).

In the vicinity of Holloman AFB, groundwater generally flows toward the west and southwest, following surface topography. Local groundwater flow direction, however, is influenced by the arroyos that drain the Base. In the southeastern portion of the Base, regional groundwater flows southwest, toward the Dillard Draw surficial drainage system. In the northern and western portions of the Base, groundwater flows in a more westerly direction, toward the Rita's Draw, Malone Draw, and Lost River drainages. Localized effects occur in areas immediately adjacent to arroyos, where groundwater flows directly toward drainage regardless of regional flow patterns.

Groundwater Quality

Water quality in the Tularosa Basin is good near the recharge areas at the base of the mountains, but groundwater becomes progressively more mineralized as it flows downgradient toward the interior of the basin. This decrease in water quality can be attributed to slow groundwater migration from recharge to discharge areas, and the presence of readily soluble minerals in the bolson sediments.

On the basis of New Mexico Water Quality Control Commission Regulations (NM WQCC 82-1, as amended through August 18, 1991, Parts 3-100 through 3-103), the groundwater beneath Holloman AFB is designated as unfit for human consumption because it exceeds New Mexico human health standards (HHSs) for total dissolved solids (TDS) and sulfate.

According to the EPA document *Guidelines for Groundwater Classification Under the EPA Groundwater Protection Strategy* (EPA, 1986), the groundwater beneath Holloman AFB can be classified as Class III B. Class III groundwater is characterized by having a TDS concentration greater than 10,000 mg/L, and is not considered a source or a potential source of drinking water. Class III B groundwater is characterized by a low degree of interconnection to adjacent surface waters or groundwater of a higher class. Because the Tularosa Basin is a closed basin, its groundwater does not discharge or connect to any adjacent aquifers. Adjacent surface waters include Lost River and Lake Holloman, which also have high concentrations of TDS and thus are not potential drinking water sources.

2.6 Current and Future Water Use

At present, the primary fresh water resource for the City of Alamogordo is Lake Bonita, 60 miles northeast of the Tularosa Basin. Currently, there are no potable supplies of ground or surface water located on Base. Holloman AFB obtains its water supply from the City of Alamogordo and the Holloman AFB wells in Boles, San Andres, and Douglas well fields at the base of the Sacramento Mountains. No water supply wells are located on or near the Base because of poor groundwater quality. The nearest production well downgradient of Holloman AFB is a livestock well located 3.5 miles west of the Base (Radian, 1994a). No other downgradient or near-Base potable or irrigation wells exist.

Section 3
DATA OBJECTIVES AND EVALUATION CRITERIA

3.1 Data Objectives

This section summarizes the objectives of the Phase II RFI and the technical approach for achieving the objectives. It also presents the criteria used to evaluate the data and develop recommendations for each SWMU.

To ensure that the primary goal of the RFI was met, data objectives were developed for each Phase II SWMU. These objectives were designed to implement the Phase I site recommendations and gather additional data requested by the EPA Region VI and the NMED to resolve their concerns regarding the Phase I investigation data. The data objectives are presented in Table 3-1.

The data collected during the Phase II activities were used by Holloman AFB Environmental Flight personnel, Headquarters-Air Combat Command (HQ-ACC), and U.S. Army Corps of Engineers (USACE)-Omaha District personnel to develop recommendations (NFA, CNFA, voluntary corrective action [VCA], or further evaluation) at each site. The final decision for future action at each site in the RCRA corrective action program is made by the EPA Region VI; for the IRP sites, the NMED.

3.2 Data Collection

To meet the objectives of the investigation, a variety of types and quality of data was collected during the field investigation. Data were collected by various methods for soil and groundwater and ranged in quality from field test kits (Level II—EPA 1987) to fixed-laboratory analyses (Level III—EPA 1987). A summary of the type, method, purpose, and quality of the data is presented for each SWMU in Section 4 of this report.

3.3 Data Evaluation Criteria

This section summarizes the data validation and trigger criteria used to evaluate the data. This section also provides an overview of risk assessments conducted for the sites.

3.3.1 Data Validation Conclusions

Data were validated according to the requirements specified in the *Quality Assurance Project Plan (QAPP)* (Radian, 1994b). The *SQCSR* (FWEC and Radian, 1995) presents a complete description of the QA program implemented for this investigation, including the results of QC analyses, data validation procedures, results of data validation and potential data limitations, and results for all laboratory analyses performed.

Overall, the QC data associated with this investigation indicate that chemical measurement data are acceptable. An independent review found the data to be reliable, defensible, and usable for the purposes of this investigation. The majority of the QC results associated with the Holloman AFB Table 1 Phase II program were within the specifications outlined in the *QAPP* (Radian, 1994b). Overall data completeness for this project was calculated to be 99%.

When interpreting the data, the following potential limitations were considered:

Soil Samples

- Low matrix spike (MS) recoveries for antimony in soil indicate the results may be biased low by as much as 55%.
- Low MS recoveries for selenium in soil samples indicate the results may be biased low by as much as 55%.

Table 3-1
Data Objectives of the Phase II RFI

SWMU	IRP Site	Media Investigated	Phase II Objective(s)
82	SD-08	Soil	Define the **extent** of pesticide contamination above the cleanup criteria established for the site.
		Groundwater	Define the **extent** of pesticide contamination.
102	OT-04	Groundwater	Determine whether selenium concentrations are **above background concentrations**.
104	LF-29	Groundwater	Determine if a **release** has occurred because of site activities.
134	OT-24	Groundwater	Confirm the presence of and, if present, define the **extent** of groundwater contamination.
197	OT-14	Soil	Define the **extent** of pesticide contamination above the cleanup criteria established for the site.
AOC-P	OT-44	Soil	**Confirm** total recoverable petroleum hydrocarbons concentrations are below 1000 mg/kg.
AOC-T	SS-02 & SS-05	Soil	Identify the **source** and delineate **extent** of contamination above the cleanup criteria established for the site.
		Groundwater	Define the **extent** of groundwater contamination. **Evaluate** discharge of groundwater to the Dillard Draw.
FTA[1]	FT-31	Soil	Further define the **nature** and **extent** of contamination.
		Groundwater	Further define the **nature** and **extent** of contamination.

[1] The Fire Training Area (FTA) consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).

Groundwater samples

- Blank results for SW8020 indicate that some of the field groundwater sample results may be due to analytical background interference (or noise).
- Holding times for volatile organic compound (VOC) analysis samples 94-31-HP-F12-EBR, 94-31-HP-01-01R, 94-31-HP-02-01R, and 94-31-HP-03-01R, which were analyzed by SW8240, were missed. These samples were not re-collected. VOC results associated with these samples may be biased low.
- Low-level contamination of acetone, benzene, toluene, and xylenes in water samples collected for SW8240 analysis may have occurred during field activities.
- Methylene chloride concentrations in some samples may be due to the analytical background interference (or noise).
- Low MS recoveries for antimony in water samples indicate the results may be biased low by as much as 30%.

3.3.2 Trigger Criteria

Laboratory and field screening analytical results were compared with various trigger criteria to provide an indication of the nature and extent of contamination and/or to determine whether further action is necessary. Trigger criteria for this investi-

gation included the following: analytical detection limits (DLs), remedial action objective (RAO) cleanup criteria presented in the *FS Report* (Radian, 1993b), and the Base-specific standard for TRPH. Each is discussed briefly below.

Analytical DLs were used to define the extent of contamination at each SWMU. This approach was selected over an "action level" trigger criterion for SWMUs without RAO cleanup criteria to ensure complete delineation of the target analytes.

Cleanup Criteria—Cleanup criteria were established for soils at SWMUs 82 and 197 in the CMS (see Radian, 1992a) as part of the RAO determination. RAO cleanup criteria are health-based action levels calculated using site-specific potential exposure pathways, contaminants, and receptors. The cleanup criterion for a site represents the level of specific constituents that can be present without posing a risk to human health or the environment. Soil containing constituents in excess of these concentrations may require remedial action. The site-specific criteria are discussed in their respective subsections of Section 4.

Base-Specific Standard for TRPH—The NMED established 1000 mg/kg as the cleanup level for TRPH at Holloman AFB (see Appendix C for regulatory correspondence). Currently, soil containing TRPH in excess of this concentration requires remediation.

3.3.3 Risk Assessment Overview

All of the SWMUs addressed by this report underwent a risk evaluation during the Phase I activities. With the exception of two sites, no unacceptable risk to human health or the environment were found. The risk evaluations are summarized below.

Phase I Risk Evaluations

During the Phase I activities, each of the SWMUs included in this report underwent a risk-based screen and/or a full quantitative risk assessment. For most of the SWMUs, the Phase I data collected were initially processed through a simple risk screen. If the SWMU failed the screen, it was recommended to proceed directly to an FS/CMS stage. However, if the SWMU passed the screen, it was evaluated further with a quantitative risk assessment to validate the screen.

With the exceptions of SWMU 82, SWMU 197, and AOC-T, the risk evaluation concluded that the SWMUs did not pose unacceptable risk to human health and the environment. SWMU 82 and SWMU 197 were found to pose unacceptable occupational risk via soil exposure pathways. Insufficient data were available with which to evaluate the potential groundwater exposure pathway via discharge to the surface in a nearby arroyo at AOC-T.

No receptors to groundwater were identified during the *29 Sites RA* (Radian, 1992c) or the *1989 RA* (Walk, Haydel, and Associates, 1989a). However, because groundwater beneath the Base had not yet been fully characterized, groundwater was considered potable, and a hypothetical off-Base pathway and receptors were used to conservatively estimate risk.

Detailed information on the risk evaluations is available in the *29 Sites RA* (Radian, 1992c) and the *1989 RA* (Walk Haydel and Associates, 1989a).

Phase II Risk Evaluations

With the exception of the FTA and AOC-T, the SWMUs were not reevaluated for risk during the Phase II activities for the following reasons:

- The primary objective of the Phase II was to address the regulatory concerns, which were mainly to define the extent of contamination and not to further evaluate risk.

- With the exception of SWMUs 82 and 197, the Phase I risk assessment concluded that the SWMUs did not pose unacceptable risk to human health or the environment.
- Groundwater beneath the Base is no longer considered a complete pathway because there are no potential receptors. The aquifer beneath the Base is a Class III B (nonpotable) aquifer, and therefore, is not considered a potential drinking water source (Section 2.5.2). Additionally, no discharge to surface water is present at the sites.

Because of the magnitude of additional data collected at the FTA, a quantitative risk assessment was conducted for the site. Exposure pathways and receptors were reevaluated for the FTA. Additional data collected at AOC-T was used to evaluate fully the potential groundwater exposure pathway via surface discharge at the site.

The quantitative risk assessment incorporated data for all constituents at the FTA that were detected at concentrations greater than 5% of the blank upper tolerance limit (UTL). Inorganic analytes were selected only if they were determined to be statistically different from the background mean (*Base-wide Background Study—Sewage Lagoons and Lakes Investigation, Holloman Air Force Base*, Radian 1993a) at Holloman AFB. These analytes, called chemicals of potential concern (COPCs) were then compared with their respective risk-based screening levels. The maximum detected concentration for each COPC was compared with a risk-based concentration calculated for the chemical using EPA Region III's methodology for risk-based screening (EPA, 1991) and the most current available toxicity information. The equations used for calculating Region III levels are based on a residential exposure scenario and an ingestion pathway. COPCs with a maximum detected concentration below the conservative Region III risk-based level are considered to pose no significant risk to human health and were eliminated from further consideration. All other constituents were retained for further evaluation and are considered to be contaminants of concern (COCs). These COCs were then evaluated on an individual basis.

3.4 Decision-Making Methodology

To determine whether the overall objective had been met, the data evaluation criteria (including risk evaluation results) were used to compare the data collected with the data objectives. If the data objectives had not been met, the SWMU was recommended for further evaluation. If the objectives were met, then the concerns of the regulatory agencies had been addressed and the SWMU was recommended for one of three future actions:

No Further Corrective Action (NFA)—NFA was recommended for SWMUs where detected analytes did not exceed data evaluation criteria and therefore no significant release from the SWMU has occurred.

Conditional No Further Action (CNFA)—CNFA was recommended for SWMUs where TRPH concentrations exceeded the Base-specific standard for TRPH of 1000 mg/kg. The condition of NFA for these SWMUs is the remediation of TRPH-contaminated soil to the Base-specific standard.

Voluntary Corrective Action (VCA)—VCA was recommended for SWMUs where constituent concentrations exceeded trigger criteria or the risk evaluation indicated unacceptable risk.

Section 4
SITE-SPECIFIC RFI RESULTS

This section contains the results, conclusions, and recommendations for each site investigated during the Phase II RFI. Subsections 4.1 through 4.8 present site-specific discussions of the following:

- Executive summary for the site;
- Site description, including a site figure;
- Geology and hydrogeology;
- Summary of Phase I activities, including regulatory agency concerns regarding the results of the Phase I activities;
- Summary of Phase II activities;
- Summary of analytical results, including data tables presented at the end of each site-specific section; and
- Conclusions and recommendations for each site.

The Phase II SWMUs discussed in this section are listed in Table 1-3, and their locations are shown in Figure 1-2. Table 1-5 also lists objectives, conclusions, and recommendations for each site. The decision-making process used to evaluate the data and determine recommendations is discussed in Section 3.

All field activities were conducted using the approach and procedures outlined in the *Phase II RCRA Facility Investigation Work Plan, Volumes I-III* (Radian, 1994a).

Because of the amount of additional data collected at the FTA, a quantitative risk assessment was conducted to evaluate the potential risk to human health and the environment posed by the site. The results are summarized in Subsection 4.5 and the risk assessment is presented in Appendix A.

4.1 SWMU 82—Building 131 Washrack (IRP Site SD-08)

Organochlorine pesticides and metals were detected in the shallow soils at SWMU 82 (the Building 131 Truck Washrack); organochlorine pesticides were also detected in the groundwater during the 29 Sites RI. The associated risk evaluation concluded that pesticide concentrations in soil pose an occupational health risk. To mitigate this risk, the site entered into the FS/CMS process, which established cleanup criteria for health-based RAOs, estimated an area exceeding these cleanup criteria, and recommended the emplacement of an impermeable cap. The cap will eliminate the occupational risk by eliminating the dermal and inhalation exposure pathway. The Phase II RFI delineated the extent of organochlorine pesticide contamination in the groundwater. SWMU 82 is recommended for long-term groundwater monitoring to ensure that the remedial action is preventing further degradation of groundwater.

4.1.1 SWMU Description

SWMU 82 is located in the southeastern corner of the refuse collection yard near Building 131. The refuse collection yard is located southwest of the Petroleum, Oil, and Lubricant (POL) Storage Area and east of the Main Base area. The yard occupies approximately one-half acre and is surrounded by a chain-link fence. The yard is unpaved and has sparse vegetation only along the fence. The topography of the site is generally flat. Figure 1-2 shows the location of SWMU 82 on Holloman AFB, and Figure 4.1-1 shows the site layout.

The washrack was installed in 1942 and consisted of a rectangular concrete pad (approximately 1000 ft^2). Refuse collection trucks were washed with soap and water at the washrack. Base records indicate that pesticides were routinely sprayed inside the trucks during the 1970s for fly control; however, this practice ceased in 1982. Drains located at the north end of the washrack connected to a sewer line that carried wastewater to an oil/water separator near the northwest corner of the washrack. According to site personnel, it was common for the sewer line to clog, causing the sump and oil/water separator to overflow onto the surrounding soil. The washrack contained cracks in the concrete and was replaced in 1992 with a new washrack in the same location.

Geology and Hydrogeology

Three monitor wells were installed during the Phase II RFI to a depth of 16.5 ft bgl. Drilling logs from these wells indicate that the stratigraphy at SWMU 82 consists primarily of silty and clayey sands. A layer of poorly-graded sand interbedded with thin layers of caliche and clayey sands was encountered in the boring closest to the washrack. Drilling logs from the *29 Sites RI* (Radian, 1992b) also indicated the presence of a sand layer within the silty sand unit. This sand layer was not encountered in borings for the two wells installed further downgradient of the washrack. Phase II RFI drilling logs, presented in Appendix B.1, provide a detailed description of the site lithology.

Groundwater was encountered at 9 to 10 ft bgl at SWMU 82. Water level data collected during groundwater sampling at the site confirmed that the groundwater flow is to the northeast, as shown in Figure 4.1-2.

4.1.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). As a result, the site was investigated under Phase I of the IRP as Site SD-08 in 1991. During the 29 Sites RI, soil samples were collected from six soil borings drilled in areas of potential contamination. Metals and organochlorine pesticides were detected in the surface soils at the site. The highest concentrations were detected in soil borings SB-08-01 and SB-08-02 drilled near the southeastern corner of the washrack. Groundwater samples were collected from three monitor wells. Organochlorine pesticides and VOCs were detected in the groundwater. The highest concentrations of organochlorine

pesticides were detected in the downgradient monitor well MW-08-03. Sample locations are shown in Figure 4.1-1.

A preliminary risk-based screen was conducted for SWMU 82 as part of the 29 Sites RI. The screen indicated that organochlorine pesticide concentrations in the soil pose an unacceptable risk to human health and the environment (Radian, 1992b).

Because surface soils at SWMU 82 pose an unacceptable human health risk, remedial action was recommended. In addition, further investigation was recommended to define the extent of organochlorine pesticides and metals contamination in the soil and organochlorine pesticides in the groundwater at the site.

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, requesting:

- The installation of additional soil borings to define the extent of soil contamination around the northwestern perimeter of the washrack;
- The installation of additional monitor wells to delineate the full extent of pesticide contamination in the groundwater;
- The definition of the source and extent of VOCs present in monitor well MW-08-01; and
- The notification of a newly identified SWMU and associated releases.

The highest concentrations of VOCs were detected in the upgradient monitor well MW-08-01. On the basis of site history and investigation results, it was concluded that VOC concentrations detected in the groundwater were not due to site activities (Radian, 1992b). Holloman AFB identified a new AOC and is currently investigating the area.

4.1.3 Phase II Activities

The following additional investigations were conducted at SWMU 82 to address EPA Region VI concerns and implement the site recommendations:

- The corrective measures study in 1992;
- The feasibility study in 1993; and
- The Phase II RFI in 1994.

To select the appropriate remedial action, SWMU 82 was entered into the FS/CMS process. The *CMS Plan* (Radian, 1992a) established health-based RAOs for soil contamination at the site. The RAOs for the site are to prevent an unacceptable health risk posed to site workers by dermal contact and inhalation of contaminated soils. The cleanup criteria are presented in Table 4.1-1.

To determine the vertical and lateral extent of soil contamination exceeding the cleanup criteria, a predesign investigation was conducted in 1993. During the predesign investigation, 14 soil borings were installed to the groundwater table. Soil boring locations are shown in Figure 4.1-1.

To determine the extent of organochlorine pesticides in the groundwater, the Phase II RFI was conducted in 1994. During the investigation, groundwater samples were collected from seven temporary standpipes, installed using a direct push technology (DPT) rig, and located downgradient of SWMU 82. The samples were submitted to the laboratory for organochlorine pesticide analysis. The results of the DPT groundwater samples were used to place three new monitor wells downgradient of the SWMU. Groundwater samples were collected from the three new wells (MW-08-05, MW-08-06, and MW-08-07) and two existing wells (MW-08-03 and HSTE-10-MW-01). The monitor well locations are shown in Figure 4.1-2.

Table 4.1-1
Remedial Action Objectives for SWMU 82

Objective	Contaminant	Cleanup Criteria (mg/kg)	Comment
Prevent dermal contact with contaminated soil above the cleanup criteria.	4,4-DDD	4.0	Contaminated soil below the cleanup criteria does not present an occupational health risk.
	4,4-DDE	3.3	
Prevent inhalation of contaminated soil above the cleanup criteria.	4,4-DDT	1.1	
	Cadmium	0.29	
	Chlordane	0.14	
	Lead	12	
	Mercury	0.016	

Field Screening Results

The groundwater samples collected from the DPT locations were analyzed for organochlorine pesticides using EPA Method SW8080.

Concentrations of delta-BHC and alpha-BHC were detected at or below the detection limits. A concentration of 4,4'-DDD was detected below the detection limit in location HP-08-06. A concentration of gamma-BHC was measured at the detection limit in location HP-08-02. The results of the field screening were used to place one monitor well (MW-05) immediately downgradient, and two wells further downgradient of the SWMU. The field screening results are presented in Table B.6-1 of Appendix B.6.

Analytical Results

Soil samples collected at SWMU 82 were analyzed for cadmium, lead, mercury, and organochlorine pesticides using EPA Methods SW6010, SW7421, SW7471, and SW8080, respectively. The analytical results were presented in the *FS Report* (Radian, 1993b) and Table 4.1-2 was adapted from that report.

The area exceeding the cleanup criteria at SWMU 82 was estimated to be 20,800 sq. ft and encompasses the southern half of the refuse yard (Radian, 1993b). The estimated extent is shown in Figure 4.1-1. The depth of affected soils was estimated to extend to 2 ft bgl, except in the immediate vicinity of soil borings SB-08-04, SB-08-06, and SB-08-11, where contamination was detected to 4 ft bgl. The greatest number of analytes and the highest concentrations were detected in soil borings SB-08-01 and SB-08-02 near the northeastern edge of the washrack. A total volume of 1540 yd^3 was estimated to exceed the cleanup criteria at SWMU 82. The recommended remedial alternative for achieving the RAOs is source containment by constructing an impermeable cap over the affected soils.

All groundwater samples collected from monitor wells were analyzed for organochlorine pesticides using EPA Method SW8080. The analytical results are presented in Table 4.1-3. The greatest number and highest concentrations of organochlorine pesticides were detected in the monitor wells (MW-08-03 and MW-08-05) located immediately downgradient of the SWMU. Monitor wells located further downgradient contained concentrations below detection limits. Concentrations of 4,4'-DDD and delta-BHC were detected below the detection limits in the samples. Similar concentrations of delta-BHC were detected in the laboratory method blanks, making its presence in

the samples uncertain and likely due to low-level laboratory contamination. Concentrations of heptachlor epoxide were detected in monitor wells MW-08-03 (0.16 µg/L) and MW-08-05 (0.033 µg/L).

4.1.4 Conclusions

The lateral and vertical extent of organochlorine pesticide and metal concentrations in soil has been delineated. Contaminant concentrations were found to be highest in the southeastern corner of the refuse yard near and around the washrack. The concentrations pose an occupational health risk, and the selected corrective action to mitigate the risk is source containment by the emplacement of an impermeable cap over the affected soils. Once the remedial action has been implemented, the exposure pathways to soil will be eliminated. As a result, the occupational health risk will also be eliminated.

Elevated organochlorine pesticide concentrations were detected only in the two monitor wells nearest the site.

4.1.5 Recommendations

Voluntary corrective action (VCA) is recommended for SWMU 82. The recommended impermeable cap should be constructed over the soil with contaminants exceeding the health-based cleanup criteria. SWMU 82 is also recommended for long-term groundwater monitoring (using existing wells) to ensure that the remedial action prevents degradation of groundwater.

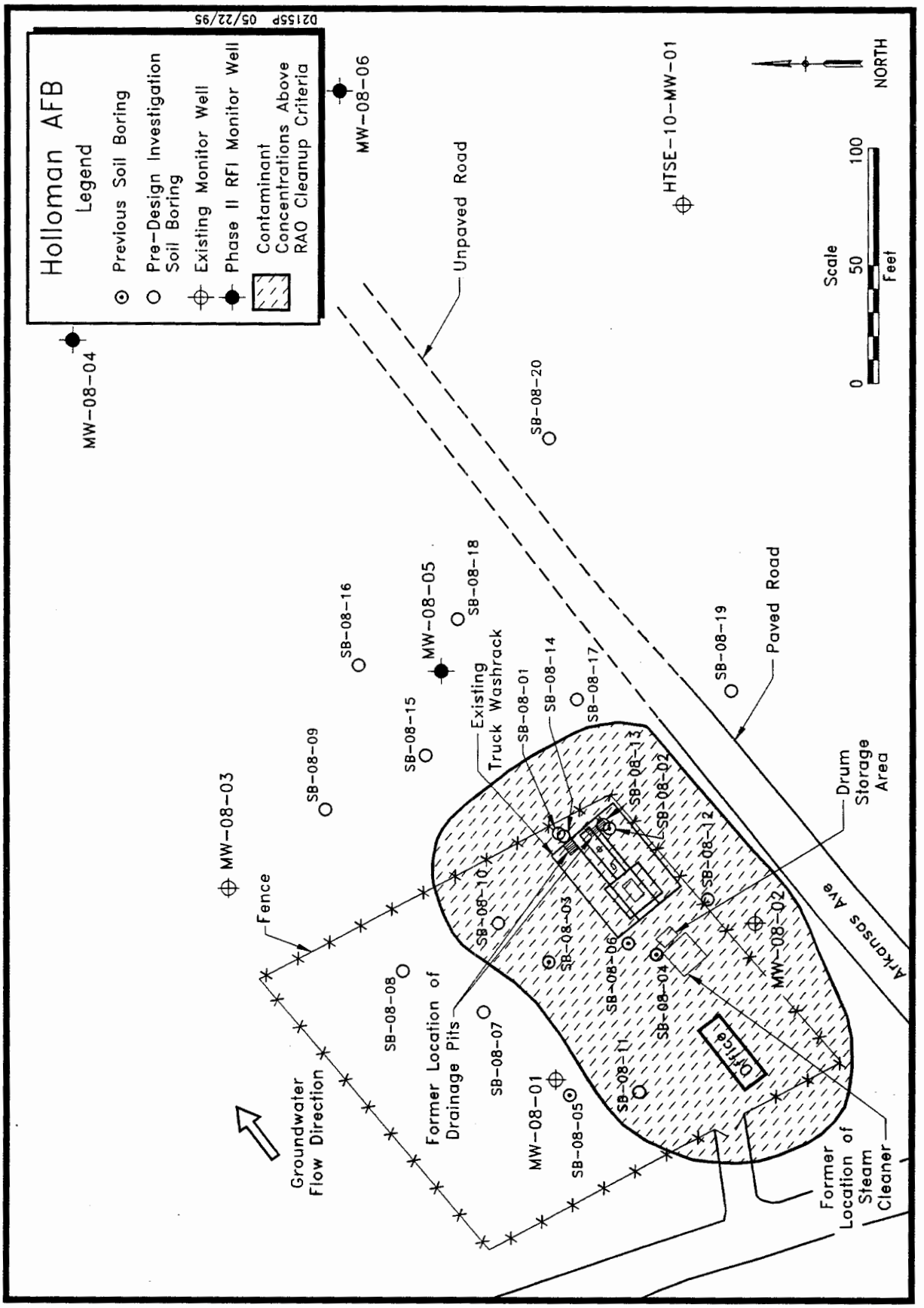

Figure 4.1-1. SWMU 82 - Soil Sample Locations

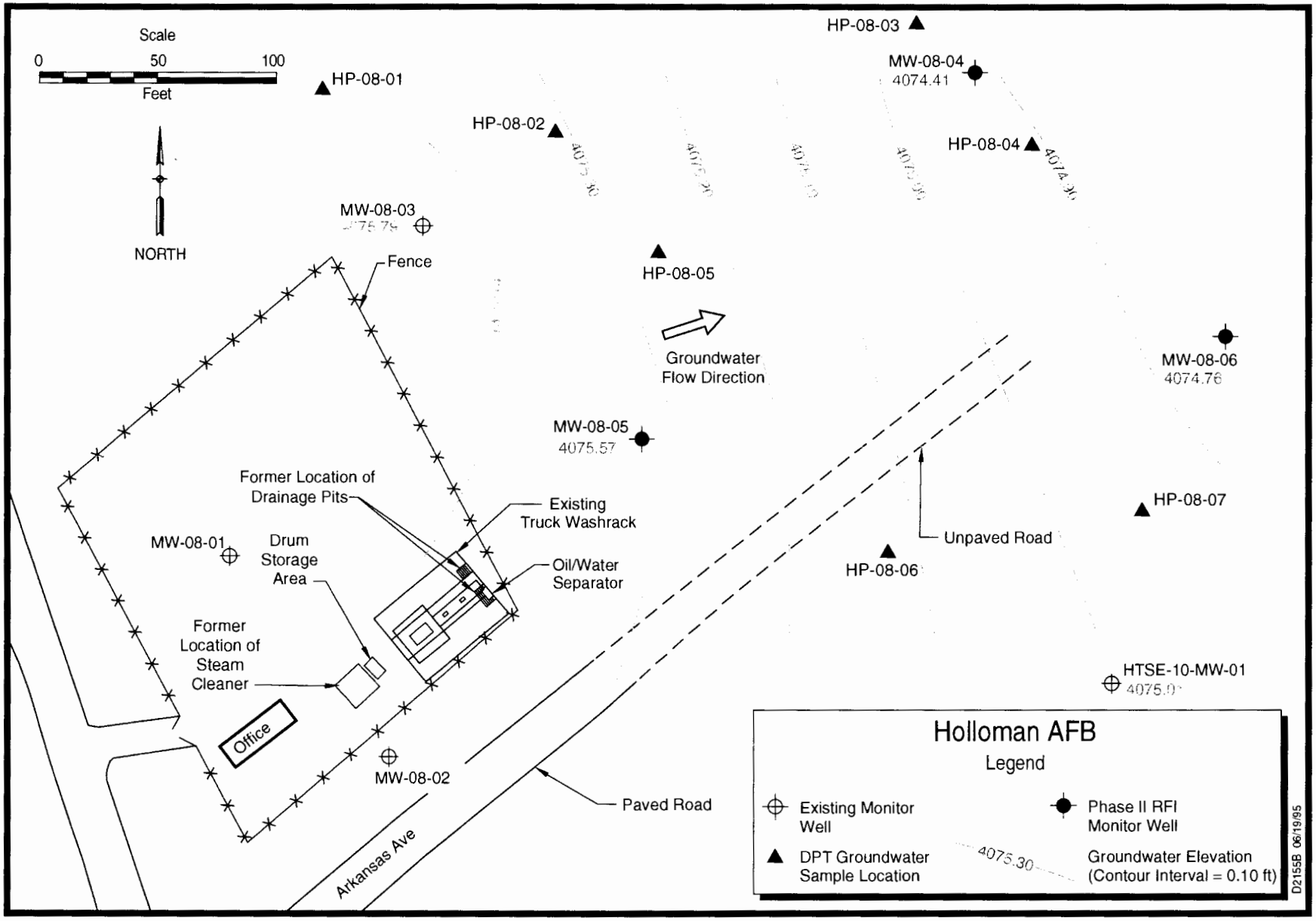

Figure 4.1-2. SWMU 82 - Groundwater Sample Locations

Table 4.1-2
Analytical Results for SWMU 82 Soil Samples

Location ID		SB-08-01	SB-08-01	SB-08-02	SB-08-02	SB-08-03	SB-08-03	SB-08-04	SB-08-04	SB-08-05
Total Depth (ft)		0 - 2	6 - 8	0 - 2	5 - 7	0 - 2	10 - 12	0 - 2	2 - 4	2 - 4
SW6010 (mg/kg)	Cadmium	0.92	ND	1.8	ND	ND	ND	ND	ND	ND
SW7421 (mg/kg)	Lead	50	1.1	370	2.3	19	0.3	8.1	18	2
SW7471 (mg/kg)	Mercury	0.49	ND	2.2	ND	0.11	ND	0.8	ND	ND
SW8080 (µg/kg)	4,4'-DDD	110	ND	4000	1.0X	28	ND	230	ND	ND
	4,4'-DDE	410	ND	5600	10	86	ND	530	3.3	1.0
	4,4'-DDT	400	ND	9300	12	26	ND	500	ND	ND
	Chlordane	950	ND	4000	20	230	ND	730	ND	ND
	Heptachlor	6.3	0.3	56	0.9	ND	0.9	12	0.3	0.4

Location ID		SB-08-05	SB-08-06	SB-08-06	SB-08-07	SB-08-08	SB-08-09	SB-08-10	SB-08-10	SB-08-11
Total Depth (ft)		6 - 8	2.5 - 4.5	7.5 - 9.5	0 - 2	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2
SW6010 (mg/kg)	Cadmium	ND	0.92	ND	ND	NA	NA	3.71	NA	ND
SW7421 (mg/kg)	Lead	0.75	1	1.3	9.22	NA	NA	69.9	NA	10.6
SW7471 (mg/kg)	Mercury	ND	ND	ND	ND	NA	NA	0.297	NA	0.068
SW8080 (µg/kg)	4,4'-DDD	ND	3.2	4.0	56.4	9.4	3.4	116	1.5	21.0
	4,4'-DDE	ND	ND	.08X	52.1	8.1	9.0	88.4	1.4	23.3
	4,4'-DDT	ND	1.3	2.0	46.7	5.6	8.3	82.5	2.6	20.6
	Chlordane	ND	17	32	89.5B	85.9	3.6	263 B	2.9B	57.7B
	Heptachlor	ND	ND	ND	4.1	3.3	ND	8.9P	ND	493

Location ID		SB-08-11	SB-08-12	SB-08-12	SB-08-13	SB-08-13	SB-08-13	SB-08-14	SB-08-14	SB-08-15
Total Depth (ft)		2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	4 - 6	2 - 4	4 - 6	0 - 2
SW6010 (mg/kg)	Cadmium	NA	NA	ND	NA	ND	NA	ND	NA	NA
SW7421 (mg/kg)	Lead	NA	NA	2.8	NA	9.11	NA	7.25	NA	NA
SW7471 (mg/kg)	Mercury	NA	NA	ND	NA	ND	NA	ND	NA	NA
SW8080 (µg/kg)	4,4'-DDD	ND	65P	ND	492	1.8P	4.9	ND	1.0	1.7
	4,4'-DDE	ND	1850	12.0	2500	1.8	12.1	2.9	5.9	6.1
	4,4'-DDT	ND	2740	7.9	4210	15.6	18.4	3.7	6.0	3.5
	Chlordane	238	51.1B	ND	386	23.4	1.8	1.2	2.9	3.4
	Heptachlor	343	ND	ND	7.8	2.5	ND	ND	ND	ND

Table 4.1-2
(Continued)

Location ID		SB-08-15	SB-08-16	SB-08-17	SB-08-17	SB-08-18	SB-08-19	SB-08-19	SB-08-20	SB-08-20
Total Depth (ft)		2 - 4	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2	2 - 4	0 - 2	2 - 4
SW6010 (mg/kg)	Cadmium	NA	NA	ND	NA	NA	ND	NA	NA	NA
SW7421 (mg/kg)	Lead	NA	NA	7.44	NA	NA	0.726	NA	NA	NA
SW7471 (mg/kg)	Mercury	NA	NA	ND	NA	NA	ND	NA	NA	NA
SW8080 (µg/kg)	4,4'-DDD	1.9	1.5	ND	ND	91.2	1.3	ND	ND	ND
	4,4'-DDE	4.0	10.2	106	8.9	696	1.2	ND	7.8	ND
	4,4'-DDT	4.0	8.1	29.6	4.4	707	3.4	ND	10.0	ND
	Chlordane	2.2	ND	ND	ND	21.6B	2.8	ND	ND	ND
	Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note: Adapted from the *FS* (Radian, 1993b).
Note: Samples from SB-08-01 through SB-08-06 were collected during the 29 Sites RI (Radian, 1992b). Soil samples from SB-08-07 through SB-08-20 were collected during the predesign investigation. Only those analytes included in the RAOs are listed.

ND = Not detected, detected below method detection limit, or detected below reporting limit.
B = Analyte detected in method blank.
P = Analyte not confirmed.
X = Presence of analyte confirmed by second-column analysis, but quantitation not confirmed.

Table 4.1-3
Analytical Results for SWMU 82 Groundwater Samples

Location ID		HSTE-10		MW-08-03		MW-08-04		MW-08-05		MW-08-06	
SW8080 (µg/L)	4,4'-DDD	0.014 J	(0.031)	0.046	(0.031)	ND	(0.031)	0.0042 J	(0.031)	ND	(0.031)
	4,4'-DDE	ND	(0.052)	0.099	(0.052)	ND	(0.052)	ND	(0.052)	ND	(0.052)
	Endosulfan I	ND	(0.021)	0.046	(0.021)	ND	(0.021)	ND	(0.021)	ND	(0.021)
	Endosulfan II	ND	(0.01)	0.035	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Heptachlor epoxide	ND	(0.013)	0.16	(0.013)	ND	(0.013)	0.033	(0.013)	ND	(0.013)
	alpha-BHC	ND	(0.013)	ND	(0.013)	ND	(0.013)	ND	(0.013)	ND	(0.013)
	delta-BHC	0.0051 JB	(0.023)	ND	(0.023)	0.0065 JB	(0.023)	ND	(0.023)	0.003 JB	(0.023)
	gamma-BHC	ND	(0.013)	0.010 J	(0.013)	ND	(0.013)	ND	(0.013)	ND	(0.013)

B = Reported analyte concentration may be due to analytical background (or noise) from the laboratory.
J = Estimated concentration; analyte measured below the detection limit.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.

4.2 SWMU 102—Acid Trailer Disposal Site (IRP Site OT-04)

Buried waste, including potentially explosive material, was encountered in exploratory pits dug at SWMU 102 (the Acid Trailer Disposal Site) during the 29 Sites RI. Monitor wells were installed at the site and selenium was detected in the groundwater. A warning fence was erected to prohibit unauthorized access. A voluntary corrective action (Human Factors Application, Inc., 1994) removed the waste from the site and replaced the warning fence with a 5-ft high chain-link fence. A Base-wide background study (Radian, 1993a) was conducted to establish background concentrations for inorganics in soil and groundwater. The background concentration for selenium in groundwater is higher than the concentrations detected during either the Phase I or Phase II activities. Therefore, there is no indication that a release has occurred at the site. NFA is recommended for SWMU 102.

4.2.1 SWMU Description

SWMU 102 is located adjacent to Rita's Draw, which is an arroyo one-half mile north of the former Unconventional Fuels Storage Area. The topography is moderately steep, with a relief of approximately 35 ft between MW-04-01 and MW-04-03. Figure 1-2 shows the location of SWMU 102 on Holloman AFB, and Figure 4.2-1 shows the site layout.

Waste materials were dumped and buried on a one-half acre tract of land in a side channel of Rita's Draw. During a site visit, the following materials were observed: a partially buried tank trailer, an unlabeled empty 55-gal. stainless steel drum, approximately 20 one-quart amber bottles filled with solid compounds, rocket engines, a fuselage, and various other debris (Radian, 1992b). The exact dates of disposal activities at the site are unknown, but some disposal occurred in the 1950s. An empty, fuming nitric acid transport trailer was buried at the site around 1958. The trailer was reported to have been washed out with water prior to burial. The majority of the waste may have come from the former Unconventional Fuels Storage Area, which was used to house propellants, oxidizers, and other fuel components.

Geology and Hydrogeology

No drilling was conducted at SWMU 102 during the Phase II RFI. The subsurface geology at the site was defined during the 29 Sites RI and consists primarily of fine, silty sands. Only fine, silty sands were noted in the drilling logs for the three 15-ft deep downgradient monitor wells, located in the arroyo. Silty sands interbedded with lenses of poorly graded sand and silt were encountered during installation of the 45-ft deep upgradient monitor well, located southeast of the arroyo.

During the Phase II RFI, groundwater was encountered at approximately 3 ft bgl in the bottom of the arroyo and 40 ft bgl southeast of the arroyo at SWMU 102. Groundwater flow at the site is to the north-northwest.

4.2.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). The site was investigated under Phase I of the IRP as Site OT-04 in 1991. During the 29 Sites RI (Radian, 1992b), an electromagnetic (EM) survey was performed to determine the locations of the buried waste. On the basis of the EM survey results, 19 exploratory pits were dug. Wastes encountered in the exploratory pits included solid rocket boosters, laboratory equipment, more than 100 amber bottles containing chemicals, metal debris, and an empty stainless steel tanker car. Wipe samples taken from the walls of the tanker car indicated that the pH was not corrosive. Seven amber bottles were either suspected of or identified as containing picric acid (an explosive) and were removed and disposed of by the Base Ordnance Detachment. After hazard identification, the remaining amber bottles were also removed from the site. Addi-

tional exploratory excavation and waste removal were recommended (Radian, 1992b).

Four monitor wells were installed and sampled during the 29 Sites RI. The groundwater samples were analyzed for inorganic and organic constituents. The monitor well locations are shown in Figure 4.2-1. Elevated concentrations of antimony, selenium, and cadmium were detected. The highest selenium concentration (0.071 mg/L) was detected in a sample from a downgradient well (MW-04-04).

A quantitative risk assessment was conducted for SWMU 102 as part of the 29 Sites RI. The risk assessment indicated that no human receptors were identified for the site. However, the *29 Sites RA*, (Radian, 1992c) concluded that an unacceptable risk to the White Sands pupfish may be posed by selenium concentrations in the groundwater.

Because of the uncertainty surrounding the source of selenium in the groundwater, further investigation was recommended to assess the background groundwater quality and, if necessary, to identify potential contaminant sources (Radian, 1992b). A warning fence was installed to prohibit unauthorized access to the site in 1992, and a voluntary corrective action was recommended to remove potentially explosive material from the site.

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, requesting additional investigation to determine whether a release of selenium had occurred at SWMU 102. The letter also agreed that a corrective action was appropriate for the site.

4.2.3 Phase II Activities

The following additional investigations were conducted at SWMU 102 to address EPA Region VI concerns and to implement the site recommendations:

- A voluntary corrective action in 1994;
- A Base-wide background study in 1993; and
- The Phase II RFI in 1994.

To further prohibit unauthorized access to the site, a 5-ft high chain-link fence was erected in 1994 to replace the warning fence as part of the voluntary corrective action. To eliminate the threat to public safety, the voluntary corrective action also consisted of searching the site for debris, characterizing the debris, and removing it (Human Factors Applications, Inc., 1994).

A study was conducted in 1993 to determine background concentrations of selected inorganic compounds in the soil and groundwater at the Base (Radian, 1993a). Samples were collected at background locations throughout the Base. An additional monitor well (MW-BG-04) was installed near SWMU 102 as part of the study. The background upper tolerance level (UTL) for total selenium in groundwater was calculated to be 0.079 mg/L.

To evaluate further whether a release had occurred at SWMU 102, a Phase II RFI was conducted in 1994. During the investigation, groundwater samples were collected from three (MW-04-01, MW-04-02, and MW-04-04) of four existing monitor wells at the site and one background well (MW-BG-04). The casing of the fifth well, MW-04-02, was sheared at approximately 8 ft bgl. The amount of offset (approx. 1.5 in.) indicated that the integrity of the monitor well had been compromised; therefore, the well was not sampled. The shearing of the well may be due to the slumping of sediments in the small drainage in which it is located. Groundwater sampling forms are presented in Appendix B.4. The monitor well locations are shown in Figure 4.2-1.

Analytical Results

All groundwater samples collected at SWMU 102 were analyzed for total (unfiltered) selenium using EPA Method SW7740. The analytical results are presented in Table 4.2-1. The concentrations of selenium in groundwater samples collected during the Phase II RFI were generally lower than those measured during the 29 Sites RI. As in the 29 Sites RI, the sample from downgradient monitor well MW-04-04 contained the highest concentration of selenium (0.054 mg/L). However, this was the only Phase II RFI result to exceed the detection limit of 0.05 mg/L. None of the groundwater samples contained total selenium concentrations in excess of the background UTL (0.079 mg/L).

4.2.4 Conclusions

Total selenium concentrations in groundwater samples from SWMU 102 do not exceed the Base-wide background UTL for total selenium. This indicates that the detected selenium concentrations occur naturally in the groundwater at this site and are not a result of past waste disposal practices. Selenium can be eliminated as a COPC at this site.

4.2.5 Recommendations

NFA is recommended for SWMU 102. A Class 3 permit modification request will be completed by Holloman AFB to achieve NFA status. Monitor well MW-04-02 should be abandoned.

Table 4.2-1
Analytical Results for SWMU 102 Groundwater Samples

Location ID		MW-04-01		MW-04-03		MW-04-04		MW-BG-04	
SW7740 (mg/L)	Selenium	0.0086 J	(0.01)	0.011 J	(0.025)	0.054	(0.025)	0.0065 J	(0.05)

J = Estimated concentration; analyte measured below the detection limit.
( ) = Detection limit.

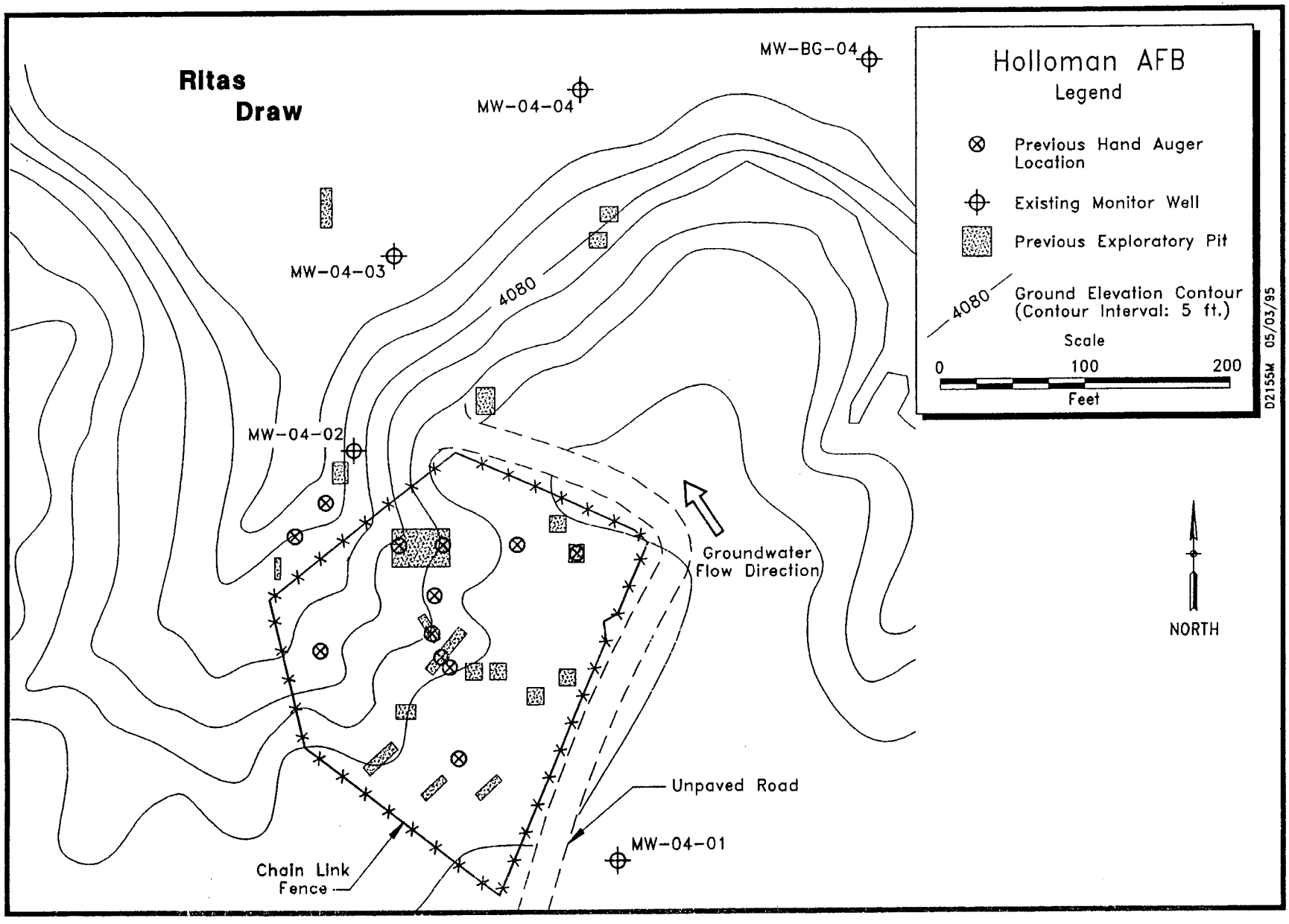

Figure 4.2-1. SWMU 102 - Groundwater Sample Locations

4.3 SWMU 104—Former Army Landfill (IRP Site LF-29)

Although it was determined during the 29 Sites RI that SWMU 104 (the former Army Landfill) posed no risk to human health or the environment, additional monitor wells were installed to more fully characterize the site. The Phase II RFI found low levels of VOCs and semivolatile organic compounds (SVOCs) in groundwater downgradient of the site and much higher levels upgradient. Therefore, the contamination does not appear to be the result of activities at SWMU 104, and NFA is recommended for SWMU 104. A separate investigation to determine the upgradient source will be conducted by the Base.

4.3.1 SWMU Description

SWMU 104 occupies approximately three acres in the North Base area and is located approximately 300 ft north of Building 1001. The site is surrounded by a small (3 ft) earthen berm that extends 400 ft north-south and 350 ft east-west. The topography of the site slopes gently to the southwest. Site vegetation consists primarily of grasses, sagebrush, and other brushy vegetation. Figure 1-2 shows the location of SWMU 104 on Holloman AFB, and Figure 4.3-1 shows the site layout.

From the early 1950s to 1975, the Army disposed of spent munitions and missiles at the site. Materials were also dumped outside the berm, roughly 200 ft south of the landfill border. These materials appear to be primarily construction debris.

Geology and Hydrogeology

The stratigraphy of SWMU 104 consists primarily of silty and clayey sands, with some interbedded clay layers. Drilling logs compiled during the Phase II RFI note 5 to 15 ft of silty sands overlying 8 to 12 ft of clays and clayey sands. Another silty sand unit extends to the bottom of the borings (approximately 30 ft bgl). This lower silty sand occasionally contains thin clay lenses. Phase II RFI drilling logs, presented in Appendix B.1, provide a detailed description of the site lithology.

Groundwater was encountered from 19 to 24.5 bgl during drilling activities at SWMU 104. Water level measurements taken during groundwater sampling at this site confirmed that groundwater flows to the west-northwest, as shown in Figure 4.3-1.

4.3.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). As a result, the site was investigated under Phase I of the IRP as LF-29 in 1991. During the 29 Sites RI (Radian, 1992b), four monitor wells were installed at SWMU 104. Groundwater samples were collected and analyzed for VOCs, total metals, organophosphorus pesticides, organochlorine pesticides, polychlorinated biphenyls (PCBs), explosives, chlorinated herbicides, anions, and TDS. The only VOC detected was chloroform, which was detected in monitor wells MW-29-03 (22 µg/L) and MW-29-04 (5 µg/L). 4,4'-DDD was detected at a concentration of 0.028 µg/L in monitor well MW-29-03. With the exception of lead, all inorganic compounds were detected within the range of concentrations present in Base-wide upgradient monitor wells. Lead was detected at a concentration of 2 µg/L in monitor well MW-29-02. The monitor well locations are shown in Figure 4.3-1.

A quantitative risk assessment was conducted for SWMU 104 as part of the 29 Sites RI. It was concluded that the site does not pose an unacceptable risk to human health or the environment (Radian, 1992c).

Although the site did not present an unacceptable risk to human health or the environment, the installation of additional monitor wells was recommended to fully characterize the site (Radian, 1992b).

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, requesting the

installation of either additional monitor wells to provide adequate flow path coverage or the installation of soil borings to determine whether a release had occurred at SWMU 104.

4.3.3 Phase II Activities

The Phase II RFI was conducted in 1994 at SWMU 104 to address EPA Region VI concerns and to implement the site recommendations.

During the Phase II RFI, three monitor wells were installed downgradient of SWMU 104 and one well was installed upgradient of the site to provide adequate flow path coverage. Groundwater samples were collected from the four new wells (MW-29-05 through MW-29-08) and three existing wells (MW-29-02 through MW-29-04). Development logs and groundwater sampling forms are presented in Appendix B. The monitor well locations are shown in Figure 4.3-1.

Analytical Results

All groundwater samples collected at SWMU 104 were analyzed for metals (EPA Methods SW6010, SW7060, SW7421, and SW7740), organochlorine pesticides (EPA Method SW8080), chlorinated herbicides (SW8150), and explosives (SW8330) to determine whether a release had occurred at SWMU 104. The analytical results are presented in Table 4.3.1.

No inorganic compounds were detected above background UTLs in the groundwater samples.

Delta-BHC concentrations were detected below the detection limit in the monitor wells. Several other organochlorine pesticide and chlorinated herbicide concentrations were detected below detection limits in monitor well MW-29-05.

Chloroform concentrations were detected in five out of seven groundwater samples, but were not detected in the associated method blanks. With the exception of the sample from monitor well MW-29-03, all concentrations were below detection limits. From the time of the 29 Sites RI in 1991 (Radian, 1992b) to the Phase II RFI in 1994, the chloroform concentration detected in monitor well MW-29-03 decreased from 22 to 11 µg/L. 1,2-dichloroethene (DCA) concentrations (ranging from 0.82 to 9.3 µg/L) were detected in three monitor wells (MW-29-02, MW-29-06, and MW-29-08) downgradient of the site. However, a DCA concentration of 350 µg/L was measured in the upgradient monitor well MW-29-05. With the exception of the upgradient well MW-29-05, benzene concentrations were detected below the detection limit in each monitor well. A benzene concentration of 3100 µg/L was detected in monitor well MW-29-05. Methylene chloride, toluene, and total xylenes concentrations were measured below detection limits. 2-chloroethyl vinyl ether was measured below the detection limit in monitor well MW-29-02, and bromodichloromethane was measured below the detection limit in well MW-29-07.

1,3,5-trinitrobenzene and 2,4,6-trinitrotoluene concentrations were detected in monitor well MW-29-05.

4.3.4 Conclusions

The greatest number and highest concentrations of organic and inorganic compounds were detected in the upgradient monitor well MW-29-05. Low levels of contaminants were detected downgradient of the site; however, relative concentrations indicate that the source of these contaminants is upgradient of the site. The source of this contamination is unknown at this time.

4.3.5 Recommendations

NFA is recommended for SWMU 104. A Class 3 permit modification request will be completed by Holloman AFB to achieve NFA status. Holloman AFB will conduct a separate investigation to determine the contaminant source upgradient of SWMU 104.

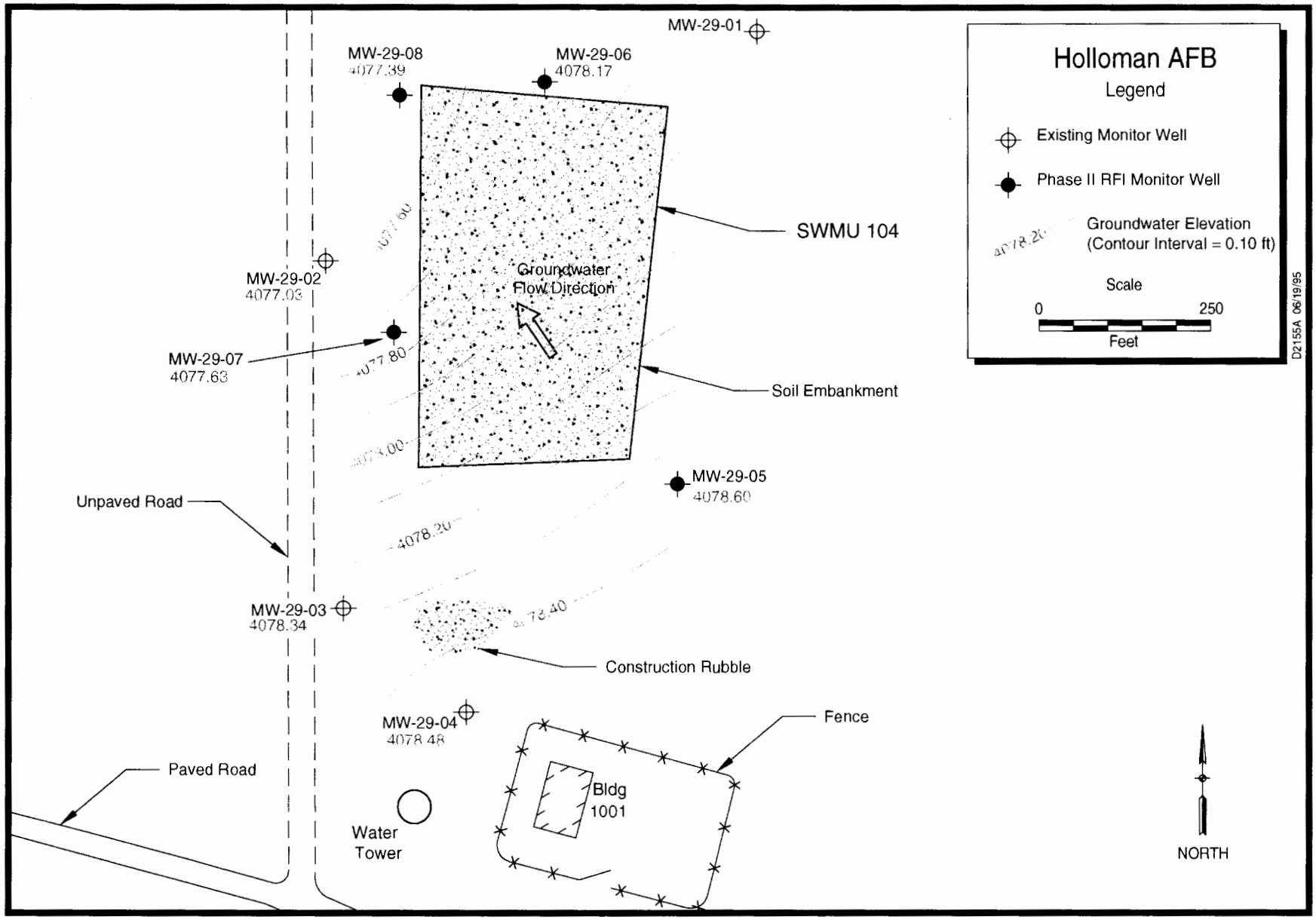

Figure 4.3-1. SWMU 104 - Groundwater Sample Locations

Table 4.3-1
Analytical Results for SWMU 104 Groundwater Samples

Location ID		MW-29-02		MW-29-03		MW-29-04		MW-29-05	
SW6010 (mg/L)	Aluminum	1.2	(0.5)	0.32	(0.1)	1.7	(0.2)	10.3	(0.5)
	Barium	< DL	(0.05)	< DL	(0.01)	< DL	(0.02)	0.098	(0.05)
	Calcium	690	(1)	540	(0.2)	659	(0.4)	1,010	(1)
	Iron	1.6	(0.5)	0.24	(0.1)	1.4	(0.2)	9.6	(0.5)
	Magnesium	1,070	(1)	310	(0.2)	539	(0.4)	1,110	(1)
	Manganese	ND	(0.05)	ND	(0.01)	< DL	(0.02)	8.9	(0.05)
	Nickel	ND	(0.2)	ND	(0.04)	ND	(0.08)	ND	(0.2)
	Potassium	< DL	(25)	< DL	(5)	26.2	(10)	< DL	(25)
	Sodium	4,460	(25)	725	(5)	1,590	(10)	4,380	(25)
	Thallium	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Vanadium	< DL	(0.05)	0.026	(0.01)	0.029	(0.02)	ND	(0.05)
	Zinc	ND	(0.1)	< DL	(0.02)	ND	(0.04)	ND	(0.1)
SW7060 (mg/L)	Arsenic	< DL	(0.01)	< DL	(0.01)	< DL	(0.01)	0.015	(0.01)
SW7421 (mg/L)	Lead	< DL	(0.02)	ND	(0.02)	< DL	(0.02)	< DL	(0.01)
SW7740 (mg/L)	Selenium	< DL	(0.025)	< DL	(0.005)	< DL	(0.01)	< DL	(0.01)
SW8080 (µg/L)	4,4'-DDE	ND	(0.052)	ND	(0.052)	ND	(0.052)	0.0015 J	(0.052)
	Endosulfan II	ND	(0.01)	ND	(0.01)	ND	(0.01)	0.0020 J	(0.01)
	beta-BHC	ND	(0.011)	ND	(0.011)	ND	(0.011)	0.024	(0.011)
	delta-BHC	0.0050 J	(0.023)	0.0046 J	(0.023)	0.0043 J	(0.023)	0.0091 J	(0.023)
SW8150 (µg/L)	2,4,5-TP (Silvex)	ND	(0.5)	ND	(0.5)	ND	(0.5)	0.0086 J	(0.5)
	Dicamba	ND	(0.5)	ND	(0.5)	ND	(0.5)	0.073 J	(0.5)
SW8240 (µg/L)	1,2-Dichloroethane	9.3	(5)	ND	(5)	ND	(5)	350	(84)
	2-Chloroethyl vinyl ether	0.64 J	(5)	ND	(5)	ND	(5)	ND	(84)
	Acetone	ND	(10)	ND	(10)	ND	(10)	ND	(170)
	Benzene	0.20 Jb	(5)	0.18 Jb	(5)	0.19 Jb	(5)	3,100	(84)
	Bromodichloromethane	ND	(5)	ND	(5)	ND	(5)	ND	(84)
	Chloroform	1.4 J	(5)	11	(5)	2.0 J	(5)	ND	(84)
	Methylene chloride	0.98 JB	(5)	0.82 JB	(5)	1.0 JB	(5)	23 J	(84)
	Toluene	0.37 Jb	(5)	0.29 Jb	(5)	0.38 Jb	(5)	ND	(84)
	Total xylenes	0.61 Jb	(5)	0.49 Jb	(5)	1.3 Jb	(5)	3.5 J	(84)
SW8330 (µg/L)	1,3,5-Trinitrobenzene	ND	(0.26)	ND	(0.26)	ND	(0.26)	2.6	(0.26)
	2,4,6-Trinitrotoluene	ND	(0.11)	ND	(0.11)	ND	(0.11)	0.23	(0.11)

Table 4.3-1
(Continued)

Location ID		MW-29-06		MW-29-07		MW-29-08	
SW6010 (mg/L)	Aluminum	12.4	(0.5)	3.1	(0.5)	12.4	(0.5)
	Barium	0.19	(0.05)	< DL	(0.05)	0.14	(0.05)
	Calcium	1,190	(1)	637	(1)	985	(1)
	Iron	12.3	(0.5)	3.4	(0.5)	17.4	(0.5)
	Magnesium	931	(1)	806	(1)	829	(1)
	Manganese	0.43	(0.05)	0.072	(0.05)	0.28	(0.05)
	Nickel	< DL	(0.2)	ND	(0.2)	< DL	(0.2)
	Potassium	< DL	(25)	< DL	(25)	< DL	(25)
	Sodium	4,270	(25)	3,550	(25)	3,890	(25)
	Thallium	ND	(0.01)	< DL	(0.01)	< DL	(0.01)
	Vanadium	< DL	(0.05)	< DL	(0.05)	< DL	(0.05)
	Zinc	ND	(0.1)	ND	(0.1)	ND	(0.1)
SW7060 (mg/L)	Arsenic	< DL	(0.01)	< DL	(0.005)	0.0090	(0.005)
SW7421 (mg/L)	Lead	< DL	(0.01)	< DL	(0.02)	< DL	(0.01)
SW7740 (mg/L)	Selenium	< DL	(0.025)	< DL	(0.025)	< DL	(0.01)
SW8080 (µg/L)	4,4'-DDE	ND	(0.052)	ND	(0.052)	ND	(0.052)
	Endosulfan II	ND	(0.01)	ND	(0.01)	ND	(0.01)
	beta-BHC	ND	(0.011)	ND	(0.011)	ND	(0.011)
	delta-BHC	ND	(0.023)	ND	(0.023)	0.0048 JB	(0.023)
SW8150 (µg/L)	2,4,5-TP (Silvex)	ND	(0.5)	NA		ND	(0.5)
	Dicamba	ND	(0.5)	NA		ND	(0.5)
SW8240 (µg/L)	1,2-Dichloroethane	9.6	(5)	0.82 J	(5)	8.7	(5)
	2-Chloroethyl vinyl ether	ND	(5)	ND	(5)	ND	(5)
	Acetone	ND	(10)	ND	(10)	5.6 Jb	(10)
	Benzene	ND	(5)	0.13 Jb	(5)	0.14 Jb	(5)
	Bromodichloromethane	ND	(5)	0.41 J	(5)	ND	(5)
	Chloroform	ND	(5)	4.4 J	(5)	0.22 J	(5)
	Methylene chloride	1.1 JB	(5)	1.4 JB	(5)	1.2 JB	(5)
	Toluene	ND	(5)	ND	(5)	0.20 Jb	(5)
	Total xylenes	0.75 Jb	(5)	0.45 Jb	(5)	1.3 Jb	(5)
SW8330 (µg/L)	1,3,5-Trinitrobenzene	ND	(0.26)	ND	(0.26)	ND	(0.26)
	2,4,6-Trinitrotoluene	ND	(0.11)	ND	(0.11)	ND	(0.11)

b = Reported analyte concentration cannot be distinguished from field blank concentrations.
B = Reported analyte concentration may be due to analytical background (or noise) from the laboratory.
J = Estimated concentration; analyte measured below the detection limit.
NA = Not applicable.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.
< DL = Analyte measured below the detection limit and below the background UTL.

4.4 SWMU 134—Buildings 920-924 Drainage Ditch (IRP Site OT-24)

Low levels of benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in groundwater samples from two monitor wells at SWMU 134 (Buildings 920-924 Drainage Ditch) during the 29 Sites RI (Radian, 1992b). The associated risk assessment concluded that the site did not pose an unacceptable risk to human health and the environment. The Phase II RFI did not confirm the presence of benzene in these two wells but did detect low levels of BTEX in two isolated DPT groundwater sample locations. NFA is recommended for SWMU 134.

4.4.1 SWMU Description

SWMU 134 occupies approximately 14 acres south of the Kelly Road and Hale Drive intersection in the West Base area. Two drainage ditches run north-south along the east and west sides of the site. Hale Drive runs along the eastern ditch and Buildings 920-924 are located along the western side of the road. A large earthen berm is located east of the ditch. The topography of the site slopes gently to the southwest. Site vegetation consists mainly of grasses and sagebrush. Figure 1-2 shows the location of SWMU 134 on Holloman AFB, and Figure 4.4-1 shows the site layout.

Maintenance operations were conducted in Buildings 920 through 924 from 1959 to 1970. Waste solvents, cleaners, and oils used during these operations was washed down drains and into septic tanks. Interviews and a site inspection conducted in 1991 indicated that wastes were not disposed of in the drainage ditches (Radian, 1992b).

Geology and Hydrogeology

No drilling was conducted at SWMU 134 during the Phase II RFI. The subsurface geology at the site was defined during the 29 Sites RI as consisting of three units. A 3- to 5-ft layer of silt overlies approximately 12 ft of clean, poorly graded sand. The deepest unit is a clay, encountered at 15 to 17 ft bgl.

Groundwater occurs at 12 to 16 ft bgl at SMWU 134. Water level measurements collected during groundwater sampling indicate that groundwater flows to the south.

4.4.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). As a result, the site was investigated under Phase I of the IRP as OT-24 in 1991. During the 29 Sites RI, six monitor wells (MW-24-01 through MW-24-06) were installed and sampled for VOCs, total metals, anions, and TDS. Benzene was detected in monitor wells MW-24-01 (5.5) and MW-24-04 (16 µg/L). Both of these wells, which are located adjacent to drainage ditches, contained detectable concentrations of other BTEX constituents. The highest BTEX concentrations were detected in monitor well MW-24-04, located downgradient of the buildings and their septic systems. The monitor sample locations are shown in Figure 4.4-1.

A quantitative risk assessment was conducted for SWMU 134 as part of the 29 Sites RI. It was concluded that the site did not present unacceptable risk to human health or the environment (Radian, 1992c).

Although the site did not present an unacceptable risk to human health or the environment, additional investigation to confirm BTEX contamination at the site and determine a source (if present) was recommended (Radian, 1992b).

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, requesting periodic groundwater monitoring to verify VOC contamination in the two monitor wells at the site.

4.4.3 Phase II Activities

The Phase II RFI was conducted in 1994 at SWMU 134 to address EPA Region VI concerns and to implement the site recommendations.

During the Phase II RFI, groundwater samples were collected from 14 temporary standpipes. The samples were screened for BTEX using a field gas chromatograph; four of these samples were submitted to the laboratory for confirmation analysis. Groundwater samples were collected from monitor wells MW-24-01 and MW-24-04, and submitted to the laboratory. Groundwater sampling logs are presented in Appendix B.4. The monitor wells are shown in Figure 4.4-1.

Field Screening Results

With the exception of sample HP-24-F10, BTEX concentrations were not measured above the detection limit. A benzene concentration of 69 µg/L was detected in HP-24-F10, which was located approximately 20 ft east of monitor well MW-24-01.

Duplicates of four DPT groundwater samples (two from the northern part of the site and two from the southwestern part) were submitted to the laboratory for confirmation analysis using EPA Method SW8020. With the exception of HP-24-01, BTEX concentrations were detected below detection limits. A benzene concentration of 0.55 µg/L was detected at HP-24-01. The results for these samples indicated that the field screening adequately identified the presence or absence of BTEX. All field screening results are presented in Apendix B.5.

Analytical Results

The groundwater samples collected from monitor wells MW-24-01 and MW-24-04 were analyzed using EPA Method SW8020. BTEX concentrations were not detected in samples from either of the wells, although the detection limit was an order of magnitude lower (0.5 µg/L vs. 5 µg/L) than that reported in the *29 Sites RI* (Radian, 1992b).

4.4.4 Conclusions

The concentrations of BTEX detected in the two monitor wells during the 29 Sites RI (Radian, 1992b) were not confirmed during the Phase II RFI. In addition, only two isolated DPT sample locations contained BTEX above the detection limits.

4.4.5 Recommendations

NFA is recommended for SWMU 134. A Class 3 permit modification request will be completed by Holloman AFB to achieve NFA status.

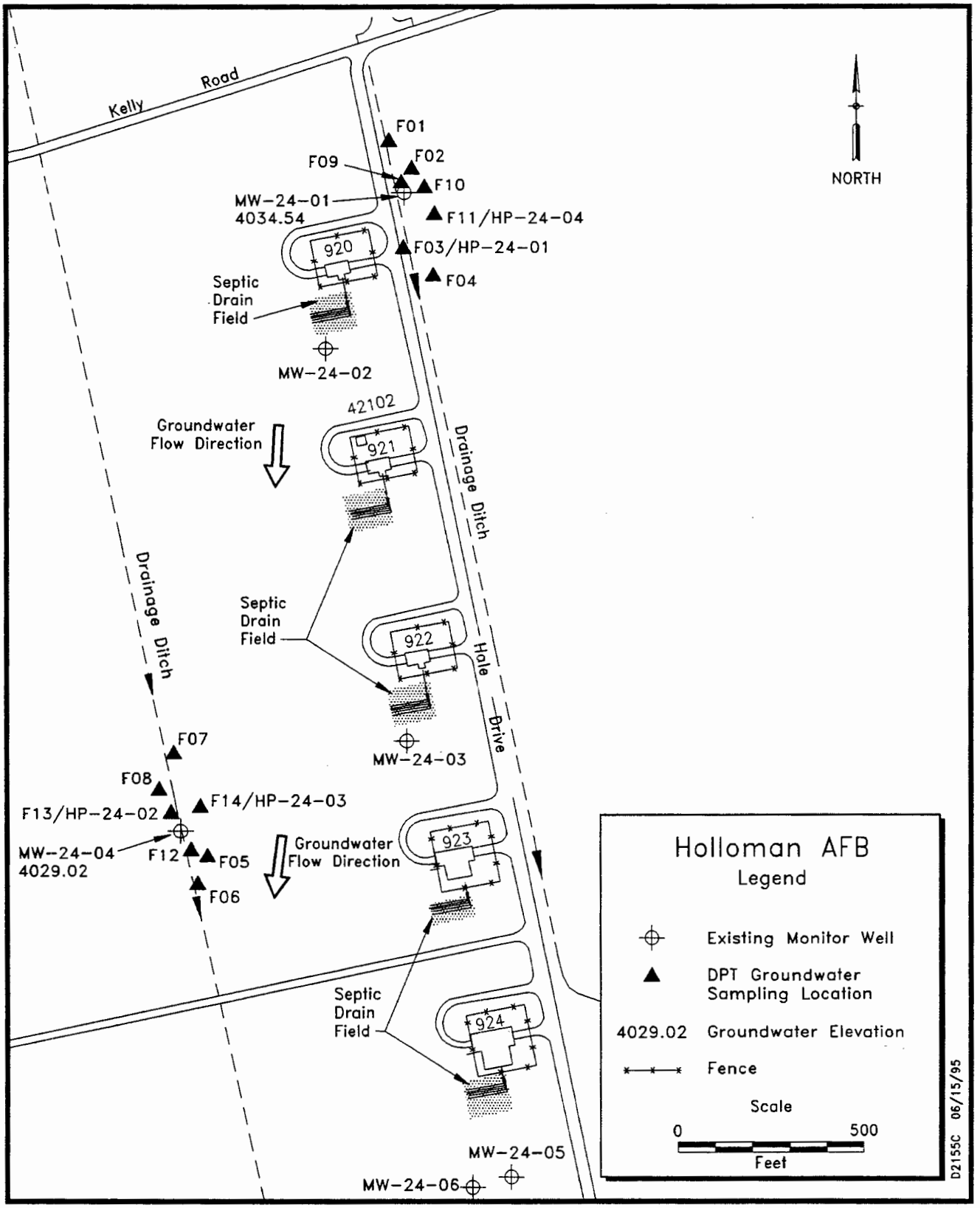

Figure 4.4-1. SWMU 134 - Groundwater Sample Locations

4.5 Fire Department Training Area (IRP Site FT-31)

The FTA contains five SWMUs (39, 127, 135, 170, and 171). Fuel-related contamination was detected in the soils and groundwater in three distinct areas. TRPH-contaminated soils above the Base-specific cleanup level were detected at SWMU 170 and the oil/water separator area (SWMUs 34, 127, and 135). Elevated TRPH concentrations and low levels of chlorinated solvents were detected in the soil near the JP-4 tank. BTEX groundwater contamination was detected primarily near the oil/water separator area. Very low levels of chlorinated solvents were detected in the JP-4 tank area. The Phase II RFI quantitative risk assessment concluded that soil and groundwater contamination do not pose a risk to human health or the environment. NFA is recommended for SWMU 171. A VCA will be conducted for SWMUs 39, 127, 135, and 170 to remediate TRPH-contaminated soils to the Base-specific cleanup level. The Base is conducting a bioventing pilot study for the remediation of soils in the oil/water separator area. A soil vapor extraction (SVE) system is planned for the remediation of soils at SWMU 170 and the JP-4 tank area.

4.5.1 SWMU Description

The FTA is located northeast of Saber Road and west of the Main Base Landfill. The site is defined by a circular, gravel-covered area, approximately 400 ft in diameter, that contains five SWMUs. The topography of the site is flat. The north fork of Dillard Draw is located approximately 600 ft northeast of the FTA. Figure 1-2 shows the location of the FTA on Holloman AFB, and Figure 4.5-1 shows the site layout.

The FTA contains two sites on Table 1 of the Base's HSWA permit: SWMU 170—Fire Department Training Area 1, and SWMU 171—Fire Department Training Area 2. The FTA also contains three sites on Table 2 of the HSWA permit: SWMU 39—Building 1092 Oil/Water Separator, SWMU 127—Building 1092 Waste Oil Tank, and SWMU 135—Building 1092 Oil/Water Separator Drainage Pit.

The FTA was used by the Base Fire Department for fire training exercises from 1945 to 1991. From 1945 to 1979, approximately 1800 to 2700 gal. of waste fuels, oils, and some solvents were delivered to the FTA in drums each month. Approximately 2500 gal. of JP-4 were used every six weeks in the training exercises from 1979 to 1991. The flammable liquids were sprayed primarily in two areas (SWMUs 170 and 171) and ignited for the training exercises. These burn areas were soaked with water prior to fuel application and ignition.

SWMU 170 is a circular, gravel-covered burn area, approximately 100 ft in diameter, located near the center of the FTA. The SWMU is surrounded by 6-in.-high gravel berm and contains a mock aircraft.

SWMU 171 is a circular, gravel-covered burn area, approximately 60 ft in diameter, located in the northeastern portion of the FTA. The SWMU is surrounded by a 6-in.-high gravel berm and contains mock rocket engines.

SWMU 39 (an oil/water separator), SWMU 127 (a waste oil tank), and SWMU 135 (a discharge pit) are located approximately 200 ft north of the mock aircraft burn area. These SWMUs were installed in 1979 to handle runoff from the burn areas. Wastewater from the two burn areas was directed to the oil/water separator via underground lines. Fuels and oils skimmed from the water in the oil/water separator were transferred by gravity flow to the 500-gal. waste oil tank via a subsurface pipe. The water was discharged into an unlined drainage pit by gravity flow. The drainage pit is circular with a diameter of approximately 70 ft and a depth of approximately 6 ft bgl. The entire oil/water separator area

is enclosed by a chain-link fence and occupies approximately 5000 sq. ft.

Also in 1979, an aboveground tank was installed in the southeastern portion of the site to store JP-4, which replaced the waste fuels, solvents, and oils used as the fuel source during the training activities. Fuel from the JP-4 tank was transferred to SWMU 170 through a valve box, adjacent to the eastern side of the aircraft burn area, via underground pipes. A valve box is also located adjacent to the southern edge of SWMU 171.

Geology and Hydrogeology

The stratigraphy of the FTA consists primarily of silty and clayey sands. Drilling logs compiled during the Phase II RFI show a general sequence of 5 to 10 ft of silty sands overlying clays and clayey sands interbedded with silty sands. The bottom of the clayey unit was not encountered in most of the borings that were drilled to 20 ft bgl. A unit of poorly graded sand was encountered at approximately 19 ft bgl. Another clay to clayey sand layer was encountered at approximately 25 ft bgl in two of the deeper borings drilled in the southeastern part of the site. Phase II RFI drilling logs, presented in Appendix B.1, provide a detailed description of the site lithology.

Groundwater was encountered in clays and sands at approximately 19 to 21 ft bgl in borings at the FTA. Groundwater level measurements taken during monitor well sampling indicate that groundwater flows to the south-southeast, as shown in Figure 4.5-2.

An aquifer test (slug test) was conducted on each of the 12 monitor wells located at the site to determine the hydraulic conductivity of the aquifer. Using the data gathered during the tests, hydraulic conductivities were calculated using the Bouwer and Rice (1976) method. The hydraulic conductivity ranged from 8.75×10^{-4} to 2.1×10^{-3} ft/min. Logarithmic plots of the results are shown in Appendix B.7.

4.5.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). As a result, the site was investigated under the IRP as Site FT-31 in 1985. During the investigation, two soil borings, 31B-1 and 31B-2, were drilled to 11.5 ft bgl at SWMUs 170 and 171, respectively. One monitor well (31W1) was installed downgradient of the oil/water separator area. Oil and grease, total organic halogens (TOX), and phenolics were detected in both the soil and groundwater samples (Dames and Moore, 1987).

The 1989 RI (Walk, Haydel, and Associates, 1989a) was conducted to determine the nature and extent of contamination detected at the FTA. During the investigation, a soil gas survey was conducted, seven monitor wells were installed, and two borings were drilled. At SWMU 170, a TRPH concentration of 3870 mg/kg was reported for the 0-1.5-ft sample collected from soil boring 31-B1. TRPH concentrations ranged from 1.5 to 77 mg/kg in the other samples collected from soil boring 31-B1, and boring 31-B2 drilled in SWMU 171. Elevated concentrations of VOCs and SVOCs were detected in the groundwater samples from monitor wells in the oil/water separator area (MW-08, MW-09, and 31W1). Sample locations are shown in Figures 4.5-1 and 4.5-2.

A quantitative risk assessment, conducted as part of the 1989 RI, concluded that soil and groundwater contamination at the site does not pose a significant threat to human health or the environment (Walk, Haydel, and Associates, 1989b). No additional investigations or corrective actions were recommended beyond the removal of the oil/water separator (Walk, Haydel and Associates, 1989a).

In 1991, the FTA was recommended for closeout with a decision document (DD) under the IRP as Site FT-31. However, the NMED required additional investigation of the site to confirm that TRPH concentrations do not exceed the 1000-mg/kg regulatory limit and to delineate the extent of groundwater contamination.

In 1993, the oil/water separator area (SWMUs 39, 127, and 135) was included as part of a Phase I RFI of SWMUs listed on Table 2 of the HSWA permit. During the Table 2 RFI (Radian, 1994a), three soil borings were drilled and sampled adjacent to the oil/water separator (SWMU 39) and the underground storage tank (UST) (SWMU 127). One soil boring was drilled and sampled approximately 50 ft southeast of the discharge pit (SWMU 135). Two hand-auger borings were sampled in the discharge pit. TRPH concentrations above the established NMED cleanup level (1000 mg/kg) were detected in the surface soils of the discharge pit and the subsurface soils near the underground storage tank (UST). Elevated TRPH concentrations were also detected near the groundwater table in each soil boring (Radian, 1994a). A baseline RA to determine risk posed by the site to human health and the environment was recommended (Radian, 1994c). Figures 4.5-1 and 4.5-3 show the estimated extent of TRPH-contaminated soils.

4.5.3 Phase II Activities

The Phase II RFI was conducted in 1994 at the FTA to address the NMED's concerns and to assess the potential for risk to human health and the environment.

During the Phase II RFI, field screening was conducted to determine locations for soil borings and to help delineate soil contamination. Fifty-three soil gas samples were collected from a depth of 5 ft bgl near SWMU 170, SWMU 171, and the JP-4 Tank area. The sample points were installed with a DPT rig, and the soil gas samples were screened for BTEX and chlorinated VOCs using a field gas chromatograph. The 5-ft-deep soil gas sample locations are shown in Figure 4.5-4.

Using the results of the shallow soil gas survey, 10 soil borings were drilled in areas to define potentially contaminated areas. Soil samples were collected from the surface interval (0-2 ft), the most contaminated interval (or the middle interval if no contamination was observed), and the interval just above the water table (18-20 ft). In addition, soil samples were collected from depths of 0 to 2.5 ft to characterize the surface soil within, and outside of, potentially contaminated areas for risk assessment purposes. The soil sample locations are shown in Figure 4.5-1.

To determine locations for new monitor wells and to help delineate groundwater contamination, 45 soil gas samples were collected from a depth of 19 ft bgl on a grid pattern that covered the site. These soil gas sample locations are shown in Figure 4.5-5. On the basis of the soil gas survey, 27 DPT groundwater samples were collected. The samples were screened for BTEX and chlorinated VOCs using a field gas chromatograph; three of these samples were submitted to the laboratory for confirmation analysis. The DPT groundwater sample locations are shown in Figure 4.5-2.

Four monitor wells were installed downgradient of the areas identified as potentially contaminated during the deep soil gas survey and DPT groundwater screening. Groundwater samples were collected from the four new monitor wells (31-MW-10 through 31-MW-13) and eight existing wells (31W1, and MW-03 through MW-09). Groundwater samples were analyzed for VOCs and SVOCs. Development logs and groundwater sampling forms are presented in Appendix B. The monitor well locations are shown in Figure 4.5-2.

To evaluate the potential risk to human health and the environment, a quantitative risk

assessment was conducted using data gathered during the Phase II RFI and the Table 2 RFI (Radian, 1994a). Estimated human health risks are summarized in Table 4.5-1.

Field Screening Results

The soil gas survey indicated that BTEX constituents are present in the shallow soils (5 ft bgl) in three areas: 1) an area that encompasses SWMU 170 and extends to the south and southeast, 2) an area that encompasses the JP-4 tank, and 3) an area within SWMU 171. The shallow soil gas survey also indicated that low levels of chlorinated VOCs are present primarily in an area south and west of the JP-4 tank.

The deep soil gas survey (19 ft bgl) and DPT groundwater screening indicated that BTEX compounds are present in groundwater in the same three areas. The estimated extent of groundwater contamination is shown in Figure 4.5-2. Duplicates of three DPT groundwater samples (31-HP-01 through 31-HP-03) were submitted to the laboratory for confirmation analysis using EPA Method SW8240. The results for these samples indicated that the field screening adequately identified the presence or absence of VOCs. The results of all field screening are presented in Appendix B.6.

Analytical Results

Soil samples collected from borings at the FTA were analyzed using EPA Methods E418.1, SW8240, and SW8270. The appropriate analyses were selected on the basis of field observations, previous site activities, and the Phase I analytical results. Stained soils were observed while drilling soil borings in SWMU 170, SWMU 171, and near the JP-4 tank. Groundwater samples collected at the FTA were analyzed using EPA Methods SW8240 and SW8270. The analytical results for soil and groundwater samples are presented in Tables 4.5-2 and 4.5-3, respectively.

SWMU 170 Soils—Soil borings 31-B10, 31-B11, 31-B12, 31-B16, and 31-B17 were drilled within and near SWMU 170 to confirm the nature and presence of the contaminants detected during field screening. Soil boring 31-B10 was drilled near a valve box buried approximately 4 ft bgl adjacent to the southeastern edge of the SWMU. Soil boring 31-B11 was drilled south of the SWMU. Soil boring 31-B16 was drilled in the northern portion of the SWMU and soil boring 31-B17 was drilled adjacent to the southern edge.

TRPH concentrations ranging from 2400 to 11,500 mg/kg were detected in samples from soil borings 31-B16 (0-2 ft) and 31-B17 (0-2 and 6-8 ft). These concentrations exceed the Base-specific cleanup level for TRPH of 1000 mg/kg. TRPH concentrations above this cleanup level were also detected in the 8-10-ft sample from soil boring 31-B10 (1070 mg/kg). TRPH concentrations (ranging from 1060 to 1780 mg/kg) were detected in all of the samples from soil boring 31-B11. Figure 4.5-1 shows the estimated lateral extent of TRPH concentrations above the cleanup level; Figure 4.5-3 shows the estimated vertical extent.

Other fuel-related constituents, primarily BTEX, were also detected in samples from these soil borings. Elevated BTEX concentrations generally corresponded to elevated levels of TRPH. The maximum concentrations of benzene (240 µg/kg), ethylbenzene (17,000 µg/kg), and toluene (13,000 µg/kg) were detected in the sample from the 18-20-ft interval of soil boring 31-B11. The maximum concentration of total xylenes (97,000 µg/kg) was detected in the sample from the 6-8-ft interval of boring 31-B17. Naphthalene was measured at 5 µg/kg in the sample from the 6-8-ft interval of soil boring 31-B17. 2-methylnaphthalene was also measured in the 8-10-ft sample from soil boring 31-B10 (10 µg/kg) and the 18-20-ft sample from 31-B11 (7.8 µg/kg).

Several other analytes, including acetone, 4-methyl 2-pentanone [MIBK], methylene chloride, fluorene, and dibenzofuran, were measured below detection limits in soil samples from SWMU 170.

Shallow soil samples (0-0.25 ft) were collected from each boring and from sample locations 31-B21, 31-B22, and 31-B23. Several VOCs and SVOCs were measured below the detection limits. Acetone (42 to 210 µg/L) was measured above detection limits in soil borings 31-B10, 31-B11, and 31-B12. BTEX compounds were measured at concentrations exceeding the detection limit in the 0-0.25 ft samples from 31-B10 and 31-B16.

SWMU 171 Soils—Soil borings 31-B13 and 31-B14 were drilled and sampled at SWMU 171 to confirm the nature and presence of the contaminants detected during field screening. Soil boring 31-B13 was drilled in the northeastern portion of the burn area and soil boring 31-B14 was drilled in the northwestern portion of the burn area.

TRPH concentrations were not detected in any of these soil samples. Methylene chloride, MIBK, 2-methylnaphthalene, naphthalene, methylene chloride, and toluene were measured at concentrations below detection limits. Acetone (120 µg/kg), ethylbenzene (310 µg/kg), and total xylenes (920 µg/kg) were measured above detection limits in the 12-14-ft sample from boring 31-B14.

Shallow (0-0.25 ft) samples were collected from each soil boring and from sample location 31-B20. The concentrations of VOCs and SVOCs were measured below the detection limits in each sample.

JP-4 Tank Area Soils—Soil borings 31-B15, 31-B18, and 31-B19 were drilled and sampled to confirm the presence and nature of the contaminants detected during the field screening. Soil boring 31-B15 was drilled near the fill pipe on the southern side of the JP-4 tank, soil boring 31-B18 was drilled near the downgradient edge of the estimated area affected by VOCs, and soil boring 31-B19 was drilled in the northwestern corner of the JP-4 tank where underground pipes emerge from the tank and run to SWMUs 170 and 171.

Concentrations of TRPH exceeded the Base-specific cleanup level in all samples from soil boring 31-B15 and in the sample near the groundwater table (18-20 ft) from soil boring 31-B19. The estimated lateral and vertical extent of TRPH concentrations above the cleanup level are shown in Figures 4.5-1 and 4.5-3, respectively. The cross section shows that contamination is centered around soil boring 31-B15.

VOCs, SVOCs, and polynuclear aromatic hydrocarbons were detected in several of the JP-4 Tank Area soil samples. However, all concentrations were below the detection limits, with the exception of samples collected from soil boring 31-B15 and the 18-20-ft sample from soil boring 31-B19.

Shallow (0-0.25 ft) soil samples were collected from each boring and from sample location 31-B24. Concentrations of 1,1,1-trichloroethane, MIBK, BTEX, and methylene chloride were measured below detection levels. Acetone ranging from 15 to 1800 µg/kg was detected in these samples.

FTA Groundwater—BTEX concentrations were detected in several monitor wells at the FTA. The highest concentrations of BTEX (ranging from 2800 to 6900 µg/L) were detected in samples from the three monitor wells near the oil/water separator area (MW-08, MW-09, and 31W1). BTEX concentrations were not measured above detection limits in the monitor well MW-07,

located upgradient of this area, nor in the well MW-10 located downgradient. BTEX contamination was not detected above detection limits in samples from the other wells, with the exception of monitor wells MW-03 (4.7 µg/L benzene) and MW-04 (120 µg/L benzene) located downgradient of SWMUs 170 and 171, respectively.

Numerous VOCs and SVOCs were measured at or above the detection limits in the monitor wells near the oil/water separator area (MW-08, MW-09, and 31W1). Several VOCs and SVOCs were measured below detection limits in monitor wells MW-03, MW-04, MW-11, MW-12, and MW-13. Several solvents, including 1,1-dichloroethene (8.7 µg/L), were measured in monitor well MW-13.

Risk Assessment Results

A quantitative risk assessment was conducted to determine the risk posed by the FTA to human health and the environment. The risk assessment consisted of four basic steps: 1) data analysis and selection of chemicals of concern; 2) identification of exposure pathways and receptors; 3) toxicity assessment of each contaminant; and 4) quantification of potential carcinogenic, noncarcinogenic, and ecological risks. The results are summarized in this section. A detailed description the risk assessment is contained in Appendix A.

Human Health Risks—The human health risks evaluated for this site were nearby work exposure, hypothetical future construction worker exposure, and trespasser exposure.

Generally, total carcinogenic risk of 10^{-6} for each contaminant is considered acceptable. This is equivalent to a one-in-one-million excess cancer risk from exposure to that chemical at the site. A cumulative total (sum of risk from all chemicals) must be at or below 10^{-5} (or a one-in-one-hundred-thousand excess cancer risk). The carcinogenic risk values estimated for the site are presented in Table 4.5-1.

The carcinogenic risk values were within the acceptable range, suggesting that carcinogenic effects are not likely to result from exposure at the site.

For a noncarcinogenic risk to be acceptable, the sum of the hazard index (HI) should not exceed a value of 1. The HI is the ratio of the daily chemical intake to a reference dose (the acceptable dose). The noncarcinogenic risk values estimated for the site are presented in Table 4.5-1, as well.

The noncarcinogenic risk values did not exceed an HI of 1, suggesting systematic human health risks are not likely to result from exposure at the site.

Ecological Risks—Ecological risk was evaluated for the site using an ecological quotient (EQ). The EQ estimates the potential ecological risks associated with the chemicals of concern primarily through the ingestion of soil and/or contaminated plants. An EQ of less than 1 indicates a low probability of adverse effects, an EQ between 1 and 10 indicates that there is a possibility of adverse ecological effects.

The EQ for the site was calculated at a value of 0.96, which indicates that there is a low probability of risk to the black-tailed jackrabbit, selected as the indicator species.

4.5.4 Conclusions

The extent of TRPH-contamination above the Base-specific cleanup level is limited to three distinct areas: 1) the shallow soils within SWMU 170, extending to groundwater south and east of the SWMU; 2) shallow soils near the southern end of the JP-4 tank, extending to groundwater and only above the groundwater near the northern end

of the tank; and 3) the shallow soils in the oil/water separator area and extending to groundwater. TRPH concentrations were not detected above the cleanup level in the soils at SWMU 171.

The extent of BTEX contamination in the groundwater is limited mainly to the oil/water separator area (SWMU 31, 127, and 135). Low levels of chlorinated solvents were detected in a small area near the JP-4 tank.

The quantitative risk assessment conducted for the FTA concluded that the site does not pose an unacceptable risk to human health or the environment.

4.5.5 Recommendations

NFA is recommended for SWMU 171. A VCA will be conducted for SWMUs 39, 127, 135, 170, and 171 to remediate TRPH-contaminated soil to the Base-specific cleanup level.

The Base is conducting a bioventing pilot study for remediation of soils in the oil/water separator area (SWMUs 39, 127, and 135). The Base is planning an SVE system to remediate soils at SWMU 170 and the JP-4 tank area.

Table 4.5-1
Summary of Estimated Human Health Risk

Exposure Scenario	Estimated Carcinogenic Risk		Estimated Noncarcinogenic Hazard Indices	
	Average	Reasonable Maximum	Average	Reasonable Maximum
Nearby Worker	1×10^{-12}	3×10^{-12}	4×10^{-8}	8×10^{-8}
Hypothetical Future Construction Worker	5×10^{-7}	7×10^{-7}	0.2	0.4
Trespasser—Child	4×10^{-8}	2×10^{-7}	5×10^{-4}	3×10^{-3}
Trespasser—Adult	3×10^{-8}	6×10^{-7}	4×10^{-4}	2×10^{-3}

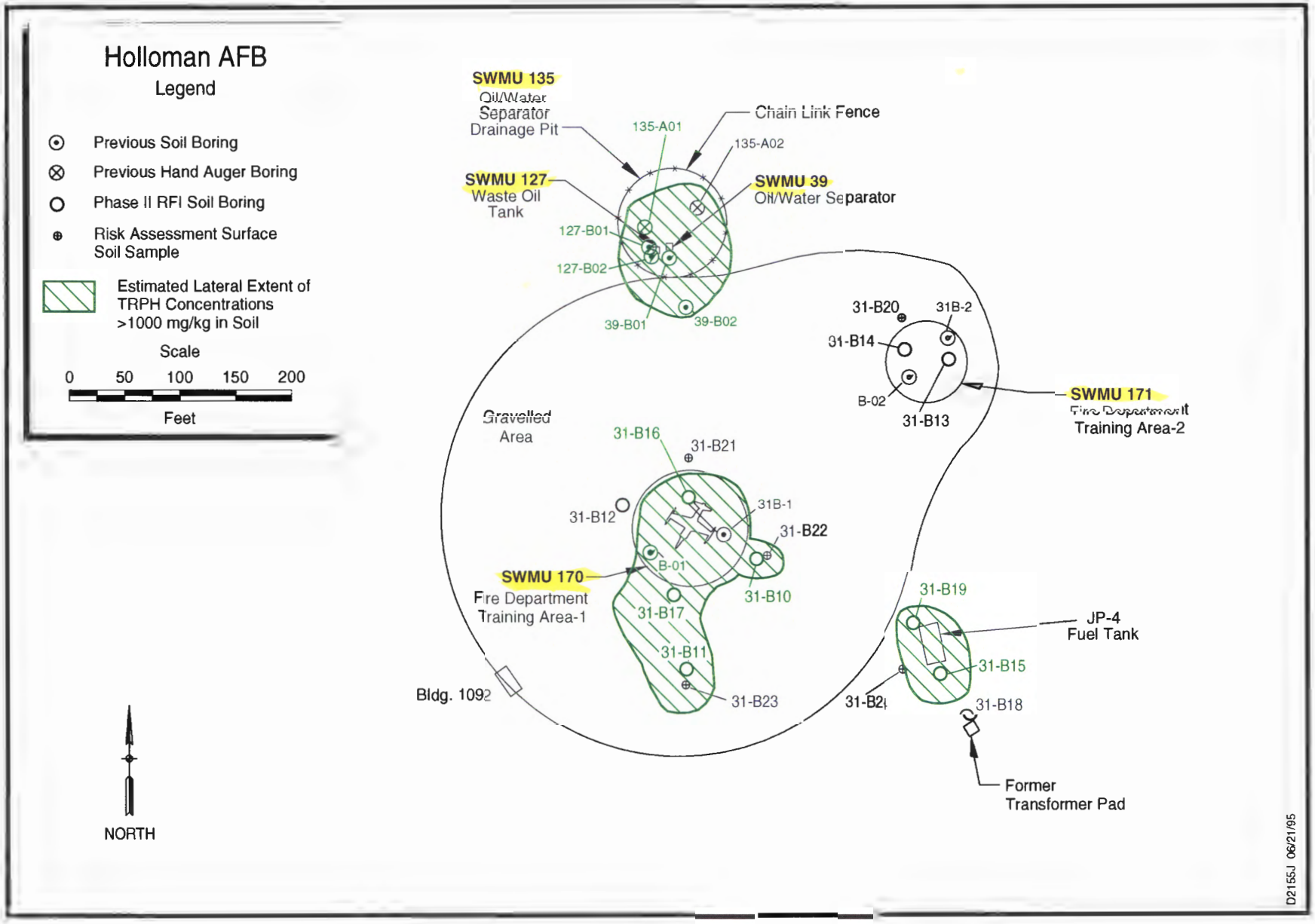

Figure 4.5-1. Fire Training Area - Soil Sample Locations

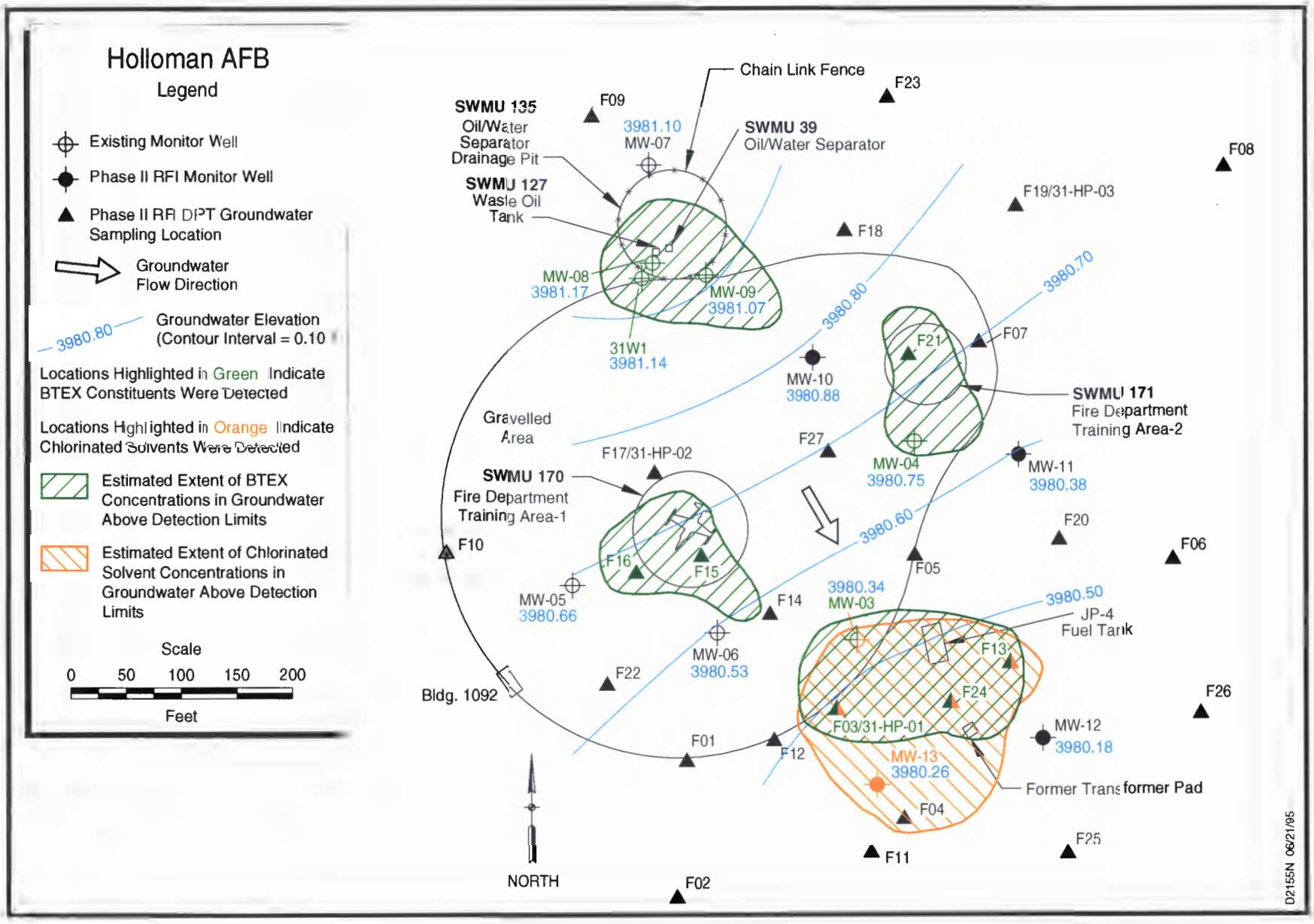

Figure 4.5-2. Fire Training Area - Groundwater Sample Locations

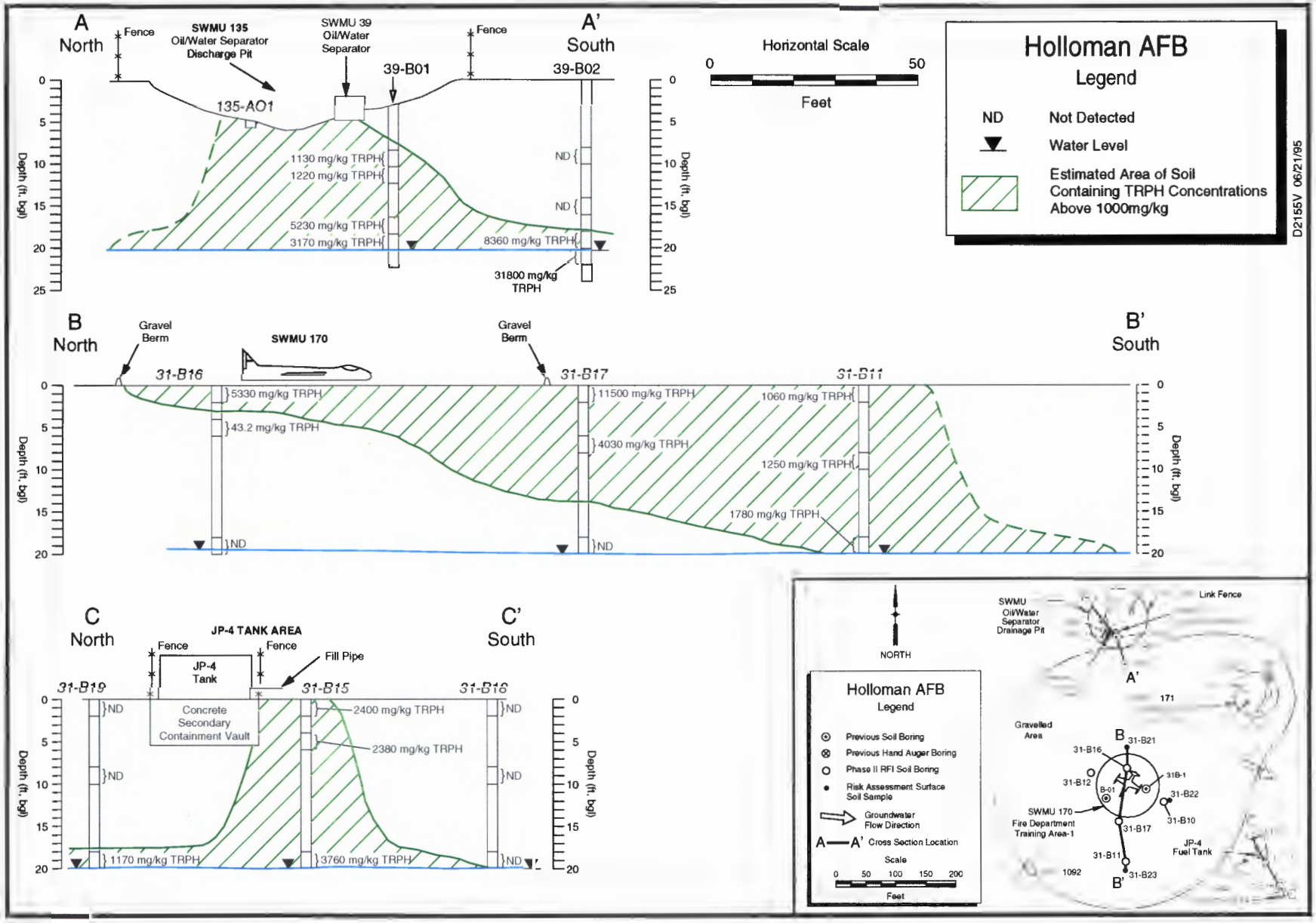

Figure 4.5-3. Fire Training Area - Cross-Sectional View of TRPH Soil Contamination

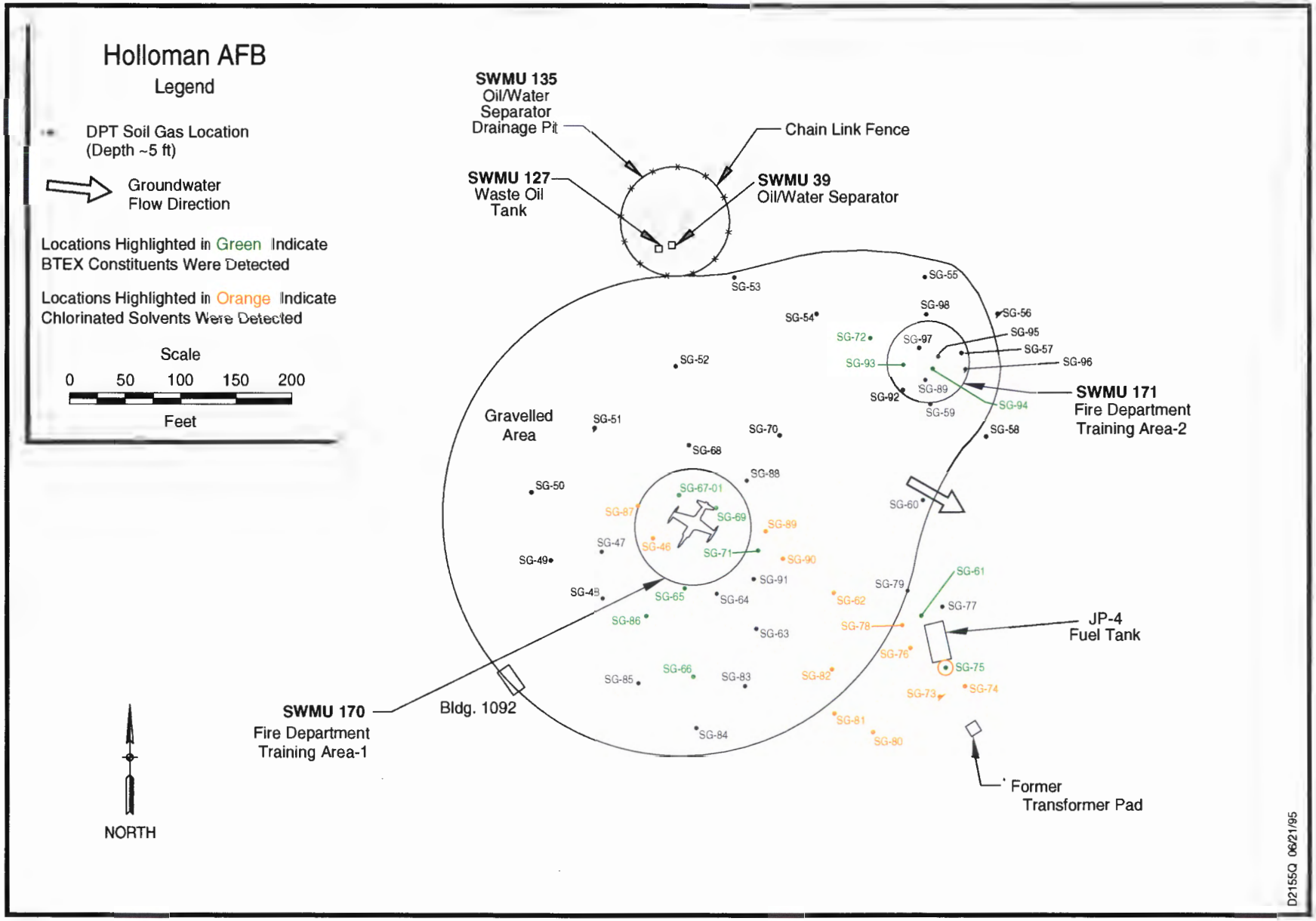

Figure 4.5-4. Fire Training Area - Soil Gas Survey (5 ft Depth)

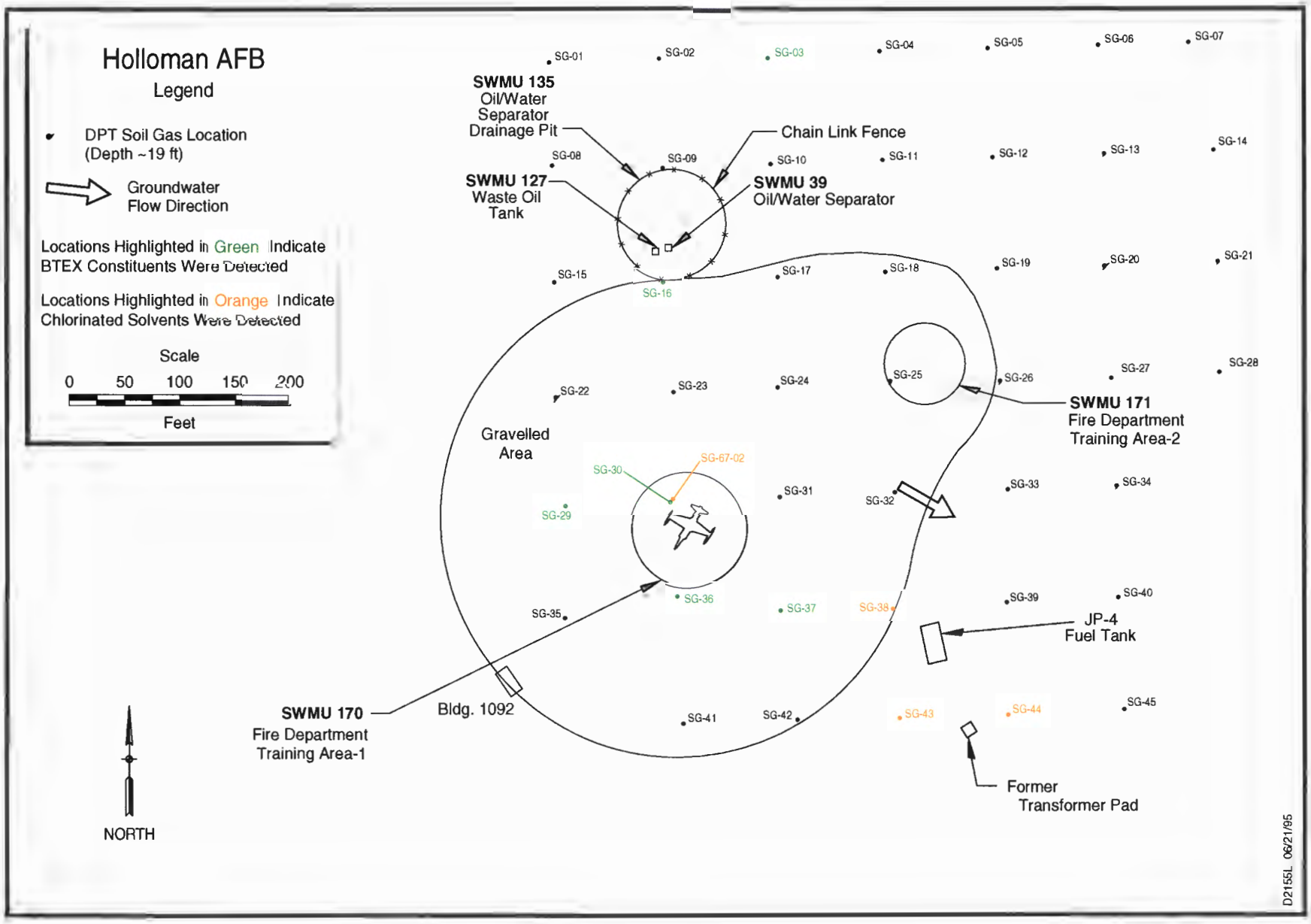

Figure 4.5-5. Fire Training Area - Soil Gas Survey (19 ft Depth)

Table 4.5-2
Analytical Results for Fire Training Area Soil Samples

Location ID		31-B10	31-B10	31-B10	31-B10	31-B11	31-B11	31-B11	31-B11	31-B12
Beginning Depth-End Depth (ft)		0-0.25	0-2	8-10	18-20	0-0.25	0-2	8-10	18-20	0-0.25
E418.1 (mg/kg)	TRPH	NA	ND (27.3)	1,070 (27.7)	968 (26.1)	NA	1,060 (48.1)	1,250 (47.9)	1,780 (53.1)	NA
SW8240 (µg/kg)	1,1,1-Trichloroethane	ND (6)	NA	ND (1,400)	NA	ND (5.5)	NA	ND (60)	ND (1,300)	ND (5.6)
	1,1-Dichloroethane	ND (6)	NA	ND (1,400)	NA	ND (5.5)	NA	ND (60)	ND (1,300)	ND (5.6)
	1,1-Dichloroethene	ND (6)	NA	ND (1,400)	NA	ND (5.5)	NA	ND (60)	ND (1,300)	ND (5.6)
	4-Methyl-2-pentanone	ND (12)	NA	ND (2,800)	NA	1.9 J (11)	NA	ND (120)	ND (2,700)	ND (11)
	Acetone	210 (12)	NA	ND (2,800)	NA	52 (11)	NA	ND (120)	2,200 J (2,700)	42 (11)
	Benzene	22 (6)	NA	ND (1,400)	NA	ND (5.5)	NA	ND (60)	240 J (1,300)	ND (5.6)
	Chloromethane	ND (12)	NA	ND (2,800)	NA	ND (11)	NA	ND (120)	ND (2,700)	4.2 J (11)
	Ethylbenzene	91 (6)	NA	16,000 (1,400)	NA	0.97 J (5.5)	NA	ND (60)	17,000 (1,300)	ND (5.6)
	Methylene chloride	3.5 JB (6)	NA	330 JB (1,400)	NA	3.2 JB (5.5)	NA	27 J (60)	460 J (1,300)	3.3 JB (5.6)
	Toluene	120 (6)	NA	6,700 (1,400)	NA	1.6 J (5.5)	NA	ND (60)	13,000 (1,300)	0.98 J (5.6)
	Total xylenes	160 (6)	NA	36,000 (1,400)	NA	3.4 J (5.5)	NA	2,000 (60)	56,000 (1,300)	ND (5.6)
	Trichloroethene	ND (6)	NA	ND (1,400)	NA	0.66 J (5.5)	NA	ND (60)	ND (1,300)	1.0 J (5.6)
SW8270 (mg/kg)	2-Methylnaphthalene	0.16 J (0.39)	NA	10 (4.6)	NA	ND (0.37)	NA	2.1 J (4)	7.8 (4.4)	ND (0.37)
	Benzo(a)anthracene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Benzo(a)pyrene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Benzo(b)fluoranthene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Benzo(g,h,i)perylene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Chrysene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Di-n-butylphthalate	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Dibenzofuran	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Fluoranthene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Fluorene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Naphthalene	0.053 J (0.39)	NA	4.0 J (4.6)	NA	ND (0.37)	NA	ND (4)	3.5 J (4.4)	ND (0.37)
	Phenanthrene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Phenol	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)
	Pyrene	ND (0.39)	NA	ND (4.6)	NA	ND (0.37)	NA	ND (4)	ND (4.4)	ND (0.37)

Table 4.5-2
(Continued)

Location ID		31-B12	31-B12	31-B12	31-B13	31-B13	31-B13	31-B13	31-B14	31-B14
Beginning Depth-End Depth (ft)		0-2	8-10	18-20	0-0.25	0-2	12-14	18-20	0-0.25	0-2
E418.1 (mg/kg)	TRPH	ND (22.7)	ND (28.7)	ND (24.2)	NA	ND (26.5)	ND (24.7)	ND (27)	NA	ND (25.7)
SW8240 (µg/kg)	1,1,1-Trichloroethane	NA	ND (7.2)	NA	ND (5.4)	NA	ND (6.2)	NA	ND (5.6)	NA
	1,1-Dichloroethane	NA	ND (7.2)	NA	ND (5.4)	NA	ND (6.2)	NA	ND (5.6)	NA
	1,1-Dichloroethene	NA	ND (7.2)	NA	ND (5.4)	NA	ND (6.2)	NA	ND (5.6)	NA
	4-Methyl-2-pentanone	NA	ND (14)	NA	0.60 J (11)	NA	4.4 J (12)	NA	ND (11)	NA
	Acetone	NA	ND (14)	NA	ND (11)	NA	ND (12)	NA	ND (11)	NA
	Benzene	NA	ND (7.2)	NA	ND (5.4)	NA	ND (6.2)	NA	ND (5.6)	NA
	Chloromethane	NA	ND (14)	NA	ND (11)	NA	ND (12)	NA	ND (11)	NA
	Ethylbenzene	NA	ND (7.2)	NA	1.1 J (5.4)	NA	ND (6.2)	NA	ND (5.6)	NA
	Methylene chloride	NA	3.5 JB (7.2)	NA	5.9 (5.4)	NA	3.7 JB (6.2)	NA	3.6 J (5.6)	NA
	Toluene	NA	0.72 J (7.2)	NA	2.7 J (5.4)	NA	0.43 J (6.2)	NA	0.56 J (5.6)	NA
	Total xylenes	NA	ND (7.2)	NA	3.2 J (5.4)	NA	ND (6.2)	NA	0.88 J (5.6)	NA
	Trichloroethene	NA	ND (7.2)	NA	ND (5.4)	NA	ND (6.2)	NA	0.81 J (5.6)	NA
SW8270 (mg/kg)	2-Methylnaphthalene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Benzo(a)anthracene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Benzo(a)pyrene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Benzo(b)fluoranthene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Benzo(g,h,i)perylene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Chrysene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Di-n-butylphthalate	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	0.049 J (0.37)	NA
	Dibenzofuran	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Fluoranthene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Fluorene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Naphthalene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Phenanthrene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Phenol	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA
	Pyrene	NA	ND (0.47)	NA	ND (0.35)	NA	ND (0.41)	NA	ND (0.37)	NA

Table 4.5-2
(Continued)

Location ID		31-B14	31-B14	31-B15	31-B15	31-B15	31-B15	31-B16	31-B16	31-B16
Beginning Depth-End Depth (ft)		12-14	18-20	0-0.25	0-2	4-6	18-20	0-0.25	0-2	4-6
E418.1 (mg/kg)	TRPH	ND (25.4)	ND (26.6)	NA	2400 (90.1)	2380 (101)	3,760 (104)	NA	5,330 (235)	43.2 (23.8)
SW8240 (µg/kg)	1,1,1-Trichloroethane	ND (32)	NA	4.9 J (32)	NA	42 J (630)	2,000 (650)	ND (5.5)	NA	NA
	1,1-Dichloroethane	ND (32)	NA	ND (32)	NA	ND (630)	57 J (650)	ND (5.5)	NA	NA
	1,1-Dichloroethene	ND (32)	NA	ND (32)	NA	ND (630)	120 J (650)	ND (5.5)	NA	NA
	4-Methyl-2-pentanone	ND (63)	NA	2.4 J (64)	NA	ND (1,300)	ND (1300)	ND (11)	NA	NA
	Acetone	120 (63)	NA	760 (64)	NA	ND (1,300)	ND (1300)	ND (11)	NA	NA
	Benzene	ND (32)	NA	4.3 J (32)	NA	ND (630)	2,200 (650)	0.76 J (5.5)	NA	NA
	Chloromethane	ND (63)	NA	ND (64)	NA	ND (1,300)	ND (1300)	ND (11)	NA	NA
	Ethylbenzene	310 (32)	NA	ND (32)	NA	ND (630)	19,000 (650)	77 (5.5)	NA	NA
	Methylene chloride	13 J (32)	NA	25 J (32)	NA	300 J (630)	ND (650)	3.8 JB (5.5)	NA	NA
	Toluene	8.4 J (32)	NA	16 J (32)	NA	ND (630)	6,900 (650)	2.2 J (5.5)	NA	NA
	Total xylenes	920 (32)	NA	19 J (32)	NA	ND (630)	22,000 (650)	9.7 (5.5)	NA	NA
	Trichloroethene	ND (32)	NA	ND (32)	NA	ND (630)	ND (650)	1.3 J (5.5)	NA	NA
SW8270 (mg/kg)	2-Methylnaphthalene	1.2 J (1.7)	NA	ND (0.42)	NA	ND (1.7)	17 (1.7)	ND (1.5)	NA	NA
	Benzo(a)anthracene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Benzo(a)pyrene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Benzo(b)fluoranthene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Benzo(g,h,i)perylene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Chrysene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Di-n-butylphthalate	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Dibenzofuran	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Fluoranthene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA
	Fluorene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	0.33 J (1.7)	ND (1.5)	NA	NA
	Naphthalene	0.35 J (1.7)	NA	ND (0.42)	NA	ND (1.7)	7.3 (1.7)	ND (1.5)	NA	NA
	Phenanthrene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	0.19 J (1.7)	ND (1.5)	NA	NA
	Phenol	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	0.53 J (1.7)	ND (1.5)	NA	NA
	Pyrene	ND (1.7)	NA	ND (0.42)	NA	ND (1.7)	ND (1.7)	ND (1.5)	NA	NA

Table 4.5-2
(Continued)

Location ID		31-B16	31-B17	31-B17	31-B17	31-B17	31-B18	31-B18	31-B18	31-B18
Beginning Depth-End Depth (ft)		18-20	0-0.25	0-2	6-8	18-20	0-0.25	0-2	8-10	18-20
E418.1 (mg/kg)	TRPH	ND (26.7)	NA	11,500 (600)	4,030 (123)	ND (25)	NA	ND (26.8)	ND (25.7)	ND (24.6)
SW8240 (µg/kg)	1,1,1-Trichloroethane	ND (6.7)	ND (6.1)	NA	ND (6,100)	ND (6.3)	ND (5.7)	NA	ND (6.4)	ND (6.1)
	1,1-Dichloroethane	ND (6.7)	ND (6.1)	NA	ND (6,100)	ND (6.3)	ND (5.7)	NA	ND (6.4)	ND (6.1)
	1,1-Dichloroethene	ND (6.7)	ND (6.1)	NA	ND (6,100)	ND (6.3)	ND (5.7)	NA	ND (6.4)	ND (6.1)
	4-Methyl-2-pentanone	ND (13)	ND (12)	NA	ND (12,000)	ND (13)	1.6 J (11)	NA	1.5 J (13)	2.1 J (12)
	Acetone	ND (13)	ND (12)	NA	ND (12,000)	36 (13)	15 (11)	NA	12 J (13)	36 (12)
	Benzene	ND (6.7)	ND (6.1)	NA	ND (6,100)	3.6 J (6.3)	ND (5.7)	NA	ND (6.4)	ND (6.1)
	Chloromethane	ND (13)	ND (12)	NA	ND (12,000)	ND (13)	ND (11)	NA	ND (13)	ND (12)
	Ethylbenzene	ND (6.7)	ND (6.1)	NA	8,000 (6,100)	2.4 J (6.3)	0.84 J (5.7)	NA	ND (6.4)	ND (6.1)
	Methylene chloride	3.8 JB (6.7)	4.6 J (6.1)	NA	1,500 J (6,100)	3.0 J (6.3)	4.5 J (5.7)	NA	3.7 J (6.4)	4.3 J (6.1)
	Toluene	ND (6.7)	ND (6.1)	NA	1,200 J (6,100)	1.4 J (6.3)	0.61 J (5.7)	NA	ND (6.4)	ND (6.1)
	Total xylenes	ND (6.7)	5.4 J (6.1)	NA	97,000 (6,100)	33 (6.3)	3.3 J (5.7)	NA	ND (6.4)	ND (6.1)
	Trichloroethene	ND (6.7)	ND (6.1)	NA	ND (6,100)	ND (6.3)	ND (5.7)	NA	ND (6.4)	ND (6.1)
SW8270 (mg/kg)	2-Methylnaphthalene	ND (0.44)	0.083 J (0.81)	NA	8.6 (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Benzo(a)anthracene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Benzo(a)pyrene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Benzo(b)fluoranthene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Benzo(g,h,i)perylene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Chrysene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Di-n-butylphthalate	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Dibenzofuran	ND (0.44)	ND (0.81)	NA	0.74 J (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Fluoranthene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Fluorene	ND (0.44)	ND (0.81)	NA	0.32 J (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Naphthalene	ND (0.44)	ND (0.81)	NA	5.0 (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Phenanthrene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Phenol	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)
	Pyrene	ND (0.44)	ND (0.81)	NA	ND (1.6)	ND (0.41)	ND (0.38)	NA	ND (0.42)	ND (0.41)

Table 4.5-2
(Continued)

Location ID		31-B19	31-B19	31-B19	31-B19	31-B20	31-B21	31-B22	31-B23	31-B24
Beginning Depth-End Depth (ft)		0-0.25	0-2	8-10	18-20	0.08-0.25	0.08-0.25	0.08-0.25	0.08-0.25	0.08-0.25
E418.1 (mg/kg)	TRPH	NA	ND (25.2)	ND (25.9)	1,170 (52.2)	NA	NA	NA	NA	NA
SW8240 (µg/kg)	1,1,1-Trichloroethane	ND (57)	NA	ND (8.1)	ND (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
	1,1-Dichloroethane	ND (57)	NA	ND (8.1)	ND (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
	1,1-Dichloroethene	ND (57)	NA	ND (8.1)	ND (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
	4-Methyl-2-pentanone	ND (110)	NA	ND (16)	ND (13)	ND (11)	ND (52)	ND (54)	ND (11)	ND (54)
	Acetone	1,800 (110)	NA	210 (16)	47 (13)	ND (11)	12 J (52)	ND (54)	ND (11)	ND (54)
	Benzene	ND (57)	NA	ND (8.1)	ND (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
	Chloromethane	ND (110)	NA	ND (16)	ND (13)	ND (11)	ND (52)	ND (54)	ND (11)	ND (54)
	Ethylbenzene	ND (57)	NA	ND (8.1)	0.58 J (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
	Methylene chloride	21 J (57)	NA	4.4 J (8.1)	3.5 J (6.5)	6.2 (5.3)	9.0 J (26)	8.6 J (27)	6.8 (5.3)	8.0 J (27)
	Toluene	ND (57)	NA	ND (8.1)	ND (6.5)	0.44 J (5.3)	ND (26)	ND (27)	0.44 J (5.3)	20 J (27)
	Total xylenes	6.0 J (57)	NA	ND (8.1)	1.7 J (6.5)	0.43 J (5.3)	ND (26)	ND (27)	0.44 J (5.3)	1.8 J (27)
	Trichloroethene	ND (57)	NA	ND (8.1)	ND (6.5)	ND (5.3)	ND (26)	ND (27)	ND (5.3)	ND (27)
SW8270 (mg/kg)	2-Methylnaphthalene	ND (0.38)	NA	ND (0.43)	7.9 (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Benzo(a)anthracene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.063 J (0.36)
	Benzo(a)pyrene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.074 J (0.36)
	Benzo(b)fluoranthene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.089 J (0.36)
	Benzo(g,h,i)perylene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.077 J (0.36)
	Chrysene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.070 J (0.36)
	Di-n-butylphthalate	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Dibenzofuran	ND (0.38)	NA	ND (0.43)	0.35 J (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Fluoranthene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.090 J (0.36)
	Fluorene	ND (0.38)	NA	ND (0.43)	0.16 J (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Naphthalene	ND (0.38)	NA	ND (0.43)	3.1 (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Phenanthrene	ND (0.38)	NA	ND (0.43)	0.097 J (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.041 J (0.36)
	Phenol	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	ND (0.36)
	Pyrene	ND (0.38)	NA	ND (0.43)	ND (0.86)	ND (0.35)	ND (0.34)	ND (0.36)	ND (0.35)	0.097 J (0.36)

B = Reported analyte concentrations may be due to analytical background (or noise) from the laboratory.
J = Estimated concentration; analyte measured below the detection limit.
NA = Not applicable.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.

Table 4.5-3
Analytical Results for the Fire Training Area Groundwater Samples

	Location ID	31W1		31-MW-03		31-MW-04		31-MW-05	
SW8240 (µg/L)	1,1,1-Trichloroethane	ND	(250)	ND	(5)	ND	(5)	ND	(5)
	1,1,2,2-Tetrachloroethane	ND	(250)	ND	(5)	ND	(5)	ND	(5)
	1,1-Dichloroethane	ND	(250)	ND	(5)	ND	(5)	ND	(5)
	1,1-Dichloroethene	ND	(250)	ND	(5)	ND	(5)	ND	(5)
	4-Methyl-2-pentanone (MIBK)	230 J	(500)	ND	(10)	ND	(10)	ND	(10)
	Acetone	450 J	(500)	ND	(10)	ND	(10)	ND	(10)
	Benzene	4,500	(250)	4.7 J	(5)	120	(5)	ND	(5)
	Carbon disulfide	36 J	(250)	ND	(5)	ND	(5)	ND	(5)
	Chloroform	ND	(250)	0.33 J	(5)	ND	(5)	ND	(5)
	Ethylbenzene	1,600	(250)	3.9 J	(5)	29	(5)	ND	(5)
	Methyl ethyl ketone	ND	(500)	ND	(10)	ND	(10)	ND	(10)
	Methylene chloride	120 J	(250)	1.1 JB	(5)	2.3 J	(5)	0.92 JB	(5)
	Toluene	360	(250)	7.3	(5)	ND	(5)	ND	(5)
	Total xylenes	560	(250)	7.8	(5)	16	(5)	ND	(5)
	Trichloroethene	ND	(250)	4.7 J	(5)	ND	(5)	ND	(5)
SW8270 (mg/L)	2,4-Dimethylphenol	0.024 J	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	2-Methylnaphthalene	0.071 J	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	2-Methylphenol	0.021 J	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	3-Methylphenol/4-Methylphenol	0.039 J	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Acetophenone	0.10 J	(0.2)	ND	(0.01)	0.0017 J	(0.01)	ND	(0.01)
	Diethylphthalate	ND	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Naphthalene	0.17 J	(0.2)	ND	(0.01)	0.0036 J	(0.01)	ND	(0.01)
	Pentachlorophenol	0.051 J	(1)	ND	(0.05)	ND	(0.05)	ND	(0.05)
	Phenol	0.026 J	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	bis(2-Chloroisopropyl)ether	ND	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	bis(2-Ethylhexyl)phthalate	ND	(0.2)	ND	(0.01)	ND	(0.01)	ND	(0.01)

Table 4.5-3
(Continued)

	Location ID	31-MW-06		MW-07		MW-08		MW-09	
SW8240 (µg/L)	1,1,1-Trichloroethane	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	1,1,2,2-Tetrachloroethane	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	1,1-Dichloroethane	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	1,1-Dichloroethene	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	4-Methyl-2-pentanone (MIBK)	ND	(10)	ND	(10)	2,400	(500)	130 J	(250)
	Acetone	ND	(10)	ND	(10)	860	(500)	650	(250)
	Benzene	ND	(5)	ND	(5)	6,900	(250)	2,800	(120)
	Carbon disulfide	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	Chloroform	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	Ethylbenzene	ND	(5)	ND	(5)	2,300	(250)	1,800	(120)
	Methyl ethyl ketone	ND	(10)	ND	(10)	ND	(500)	ND	(250)
	Methylene chloride	0.95 JB	(5)	0.78 JB	(5)	60 J	(250)	22 J	(120)
	Toluene	ND	(5)	ND	(5)	ND	(250)	ND	(120)
	Total xylenes	1.2 Jb	(5)	ND	(5)	30 J	(250)	12 J	(120)
	Trichloroethene	ND	(5)	ND	(5)	ND	(250)	ND	(120)
SW8270 (mg/L)	2,4-Dimethylphenol	ND	(0.01)	ND	(0.01)	0.028 J	(0.2)	ND	(0.05)
	2-Methylnaphthalene	ND	(0.01)	ND	(0.01)	0.11 J	(0.2)	0.098	(0.05)
	2-Methylphenol	ND	(0.01)	ND	(0.01)	0.034 J	(0.2)	0.015 J	(0.05)
	3-Methylphenol/4-Methylphenol	ND	(0.01)	ND	(0.01)	0.021 J	(0.2)	0.034 J	(0.05)
	Acetophenone	ND	(0.01)	ND	(0.01)	ND	(0.2)	ND	(0.05)
	Diethylphthalate	ND	(0.01)	ND	(0.01)	ND	(0.2)	0.0059 J	(0.05)
	Naphthalene	ND	(0.01)	ND	(0.01)	0.23	(0.2)	0.20	(0.05)
	Pentachlorophenol	ND	(0.05)	ND	(0.05)	0.099 J	(1)	0.025 J	(0.25)
	Phenol	ND	(0.01)	ND	(0.01)	0.022 J	(0.2)	0.010 J	(0.05)
	bis(2-Chloroisopropyl)ether	ND	(0.01)	ND	(0.01)	ND	(0.2)	ND	(0.05)
	bis(2-Ethylhexyl)phthalate	ND	(0.01)	ND	(0.01)	ND	(0.2)	ND	(0.05)

Table 4.5-3
(Continued)

	Location ID	31-MW-10		31-MW-11		31-MW-12		31-MW-13	
SW8240 (µg/L)	1,1,1-Trichloroethane	ND	(5)	ND	(5)	ND	(5)	4.5 J	(5)
	1,1,2,2-Tetrachloroethane	ND	(5)	ND	(5)	ND	(5)	0.35 J	(5)
	1,1-Dichloroethane	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	1,1-Dichloroethene	ND	(5)	ND	(5)	1 J	(5)	8.7	(5)
	4-Methyl-2-pentanone (MIBK)	ND	(10)	ND	(10)	ND	(10)	ND	(10)
	Acetone	ND	(10)	ND	(10)	ND	(10)	ND	(10)
	Benzene	ND	(5)	ND	(5)	ND	(5)	0.54 Jb	(5)
	Carbon disulfide	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	Chloroform	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	Ethylbenzene	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	Methyl ethyl ketone	ND	(10)	ND	(10)	ND	(10)	ND	(10)
	Methylene chloride	2.4 J	(5)	1.9 JB	(5)	0.8 JB	(5)	1.8 JB	(5)
	Toluene	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	Total xylenes	ND	(5)	ND	(5)	ND	(5)	ND	(5)
	Trichloroethene	ND	(5)	ND	(5)	ND	(5)	2.1 J	(5)
SW8270 (mg/L)	2,4-Dimethylphenol	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	2-Methylnaphthalene	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	2-Methylphenol	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	3-Methylphenol/4-Methylphenol	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Acetophenone	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Diethylphthalate	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Naphthalene	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	Pentachlorophenol	ND	(0.05)	ND	(0.05)	ND	(0.05)	ND	(0.05)
	Phenol	ND	(0.01)	ND	(0.01)	ND	(0.01)	ND	(0.01)
	bis(2-Chloroisopropyl)ether	ND	(0.01)	0.0013 J	(0.01)	ND	(0.01)	ND	(0.01)
	bis(2-Ethylhexyl)phthalate	ND	(0.01)	ND	(0.01)	ND	(0.01)	0.017	(0.01)

b = Reported analyte concentration cannot be distinguished from field blank concentrations.
B = Reported analyte concentration may be due to analytical background (or noise) from the laboratory.
J = Estimated concentration; analyte measured below the detection limit.
NA = Not applicable.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.

4.6 SWMU 197 Former Entomology Shop— (IRP Site OT-14)

Organochlorine pesticide concentrations were detected in the shallow (0-2 ft) soil but not in the groundwater beneath SWMU 197 (the Former Entomology Shop) during the 29 Sites RI. The associated risk assessment concluded that the organochlorine pesticide concentrations in the soil posed an occupational health risk. To mitigate this risk, the SWMU 197 entered the FS/CMS process, which established cleanup criteria for health-based RAOs, estimated an area exceeding these cleanup criteria, and recommended (as the voluntary corrective action) the emplacement of an impermeable cap. The Phase II RFI verified the estimated extent of organochlorine pesticide concentrations in the soil. The impermeable cap will eliminate the occupational risk by eliminating the exposure pathway. NFA is recommended for SWMU 197.

4.6.1 SWMU Description

SWMU 197 occupies approximately two-tenths acre in the northwestern corner of the Civil Engineering yard on the Main Base. SWMU 197 is adjacent to Building 66 and is surrounded by paved areas. The topography of the site is relatively flat. Figure 1-2 shows the location of SWMU 197 on Holloman AFB, and Figure 4.6-1 shows the site layout.

From 1968 to 1977, pesticide spraying and washing equipment were rinsed out in an open area adjacent to existing Building 66. In addition, organochlorine pesticides (including 4,4'-DDT and chlordane) were stored and mixed at this site. Diesel fuel was routinely used to solubilize the pesticides.

In July 1977, soil samples collected from the site showed the presence of several pesticides. In an effort to stabilize this contamination, the top 6 to 8 in. of soil were treated with lime and powdered charcoal and subsequently tilled.

Geology and Hydrogeology

No drilling was conducted at SWMU 197 during the Phase II RFI. The subsurface geology at the site, as defined during the 29 Sites RI monitor well installation, consists primarily of silty sands. Lenses of sand, silt, and clayey sand were encountered in the wells installed in the southeastern portion of the site.

Groundwater at SWMU 197 occurs at approximately 5 ft bgl in the silty sand and sand deposits. The groundwater flows to the south-southwest.

4.6.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983), and, as a result, was investigated under Phase I of the IRP as OT-14 in 1991. During the 29 Sites RI, elevated concentrations of 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aldrin, and chlordane were detected in soil samples collected from five borings drilled in areas of former drum storage and mixing activities. The concentrations of these organochlorine pesticides were significantly higher in the surface intervals (0-2 ft) than in the 2- to 4-ft sample intervals. Four monitor wells were installed and sampled. No organochlorine pesticides were detected in the samples, indicating that the groundwater had not been impacted by site activities. Soil sample locations are shown in Figure 4.6-1.

A quantitative risk assessment was conducted for SWMU 197 as part of the 29 Sites RI. It was indicated that pesticide contamination in shallow soils at the site poses an occupational health risk (Radian, 1992c).

Because surface soils at SWMU 197 pose an unacceptable human health risk, remedial action was recommended. In addition, further investigation was recommended to define the extent of organochlorine pesticide contamination in the soil (Radian, 1992b).

Table 4.6-1
Remedial Action Objective for SWMU 197

Objective	Contaminant	Cleanup Criteria (µg/kg)	Comment
Prevent dermal contact with pesticide concentrations that are in excess of the cleanup criteria in the soil.	4,4'-DDD	1500	Soils below the cleanup criteria do not present an occupational health risk.
	4,4'-DDE	1000	
	4,4'-DDT	1300	
	Aldrin	10	
	Chlordane	200	
	Heptachlor	100	
	gamma-BHC	700	

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, that concurred with the site recommendations.

4.6.3 Phase II Activities

The following additional investigations were conducted at SWMU 197 to address EPA Region VI concerns and implement the site recommendations:

- The corrective measures study in 1992;
- The feasibility study in 1993; and
- The Phase II RFI in 1994.

To select the appropriate remedial action, SWMU 197 was entered into the FS/CMS process. The *CMS Plan* (Radian, 1992a) established a health-based RAO for soil contamination at the site. The RAO for the site is to prevent an unacceptable health risk posed to site workers by dermal contact with contaminated soils.

The cleanup criteria are presented in Table 4.6-1. The feasibility study estimated that a total soil volume of 740 yd^3 exceeds the cleanup criteria for SWMU 197 (Radian, 1993b). The recommended remedial alternative for achieving the RAO is source containment by constructing an impermeable cap over the affected soils.

To verify the lateral extent of pesticides exceeding the cleanup criteria estimated during the FS, a Phase II RFI was conducted in 1994. During the investigation, soil samples were collected from 12 soil borings drilled with a DPT rig. The soil borings were located along the perimeter of the former drum storage and mixing area as shown in Figure 4.6-1. Soil samples were collected and composited from 0 to 2 ft bgl.

Analytical Results

All soil samples collected at SWMU 197 were analyzed for organochlorine pesticides using EPA Method SW8080. The analytical results are presented in Table 4.6-2.

Of the 12 soil samples, 8 were collected within the area estimated during the FS (Radian, 1993b) to exceed RAO cleanup criteria. Of these eight samples, four were found to contain one or more pesticides in excess of the cleanup criteria. Chlordane exceeded the cleanup criteria in all four of these samples, with concentrations ranging from

230 to 26,000 µg/kg. Aldrin (230 µg/kg) and heptachlor (2200 µg/kg) exceeded the cleanup criteria in the sample collected from soil boring 14-DP-10. 4,4'-DDE (3000 µg/kg) and 4,4'-DDT (7200 µg/kg) exceeded the cleanup criteria in one sample (14-DP-12) from the central part of the site. None of the four samples collected outside of the estimated area of contamination were found to contain any pesticides in excess of the cleanup criteria. 4,4'-DDD and gamma-BHC were not detected at concentrations in excess of the cleanup criteria.

Analytical results from the Phase I and Phase II investigations indicate that pesticide contamination is concentrated in a band that runs approximately east to west in the central part of the site. Figure 4.6.1 illustrates this trend.

4.6.4 Conclusions

The vertical and lateral extent of organochlorine pesticides concentrations in soil has been delineated. Contaminant concentrations were found to be highest across the central portion of SWMU 197. The Phase II RFI confirmed the FS estimate of soil containing organochlorine pesticides in concentrations that exceed the cleanup criteria.

The concentrations pose an occupational risk. To mitigate the risk, the selected remedial action is source containment by the emplacement of an impermeable cap over the affected soils. Once the remedial action has been implemented, the dermal exposure pathway will be eliminated, thus eliminating the occupational health risk.

4.6.5 Recommendations

VCA is recommended for SWMU 197. The recommended impermeable cap should be constructed over the soil with contaminants that exceed the health-based cleanup criteria.

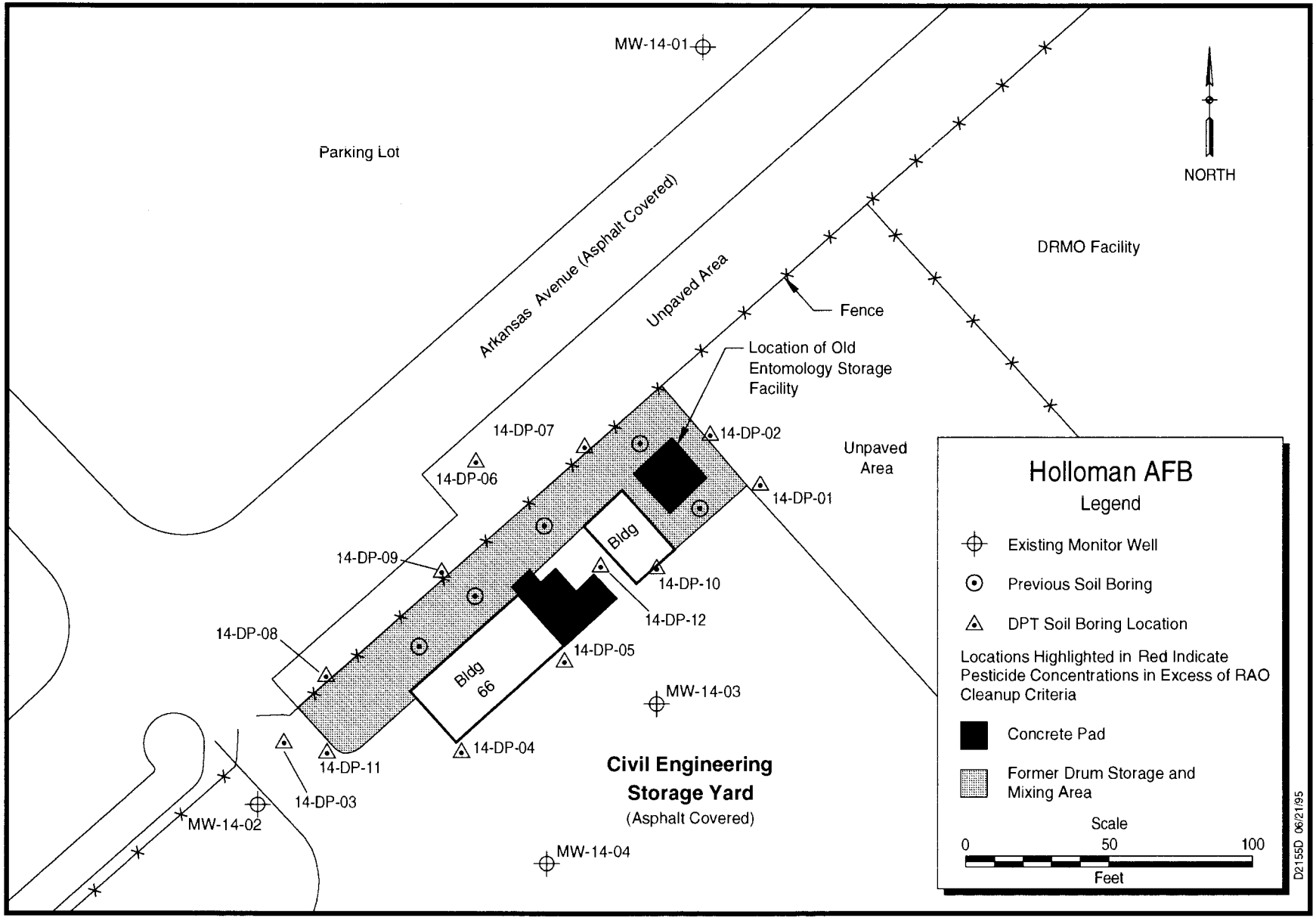

Figure 4.6-1. SWMU 197 - Soil Sample Locations

Table 4.6-2
Analytical Results for SWMU 197 Soil Samples

Location ID		DP-14-01		DP-14-02		DP-14-03		DP-14-04		DP-14-05		DP-14-06	
Beginning Depth-End Depth (ft)		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2	
SW8080 (µg/kg)	4,4'-DDD	14 J	(15)	21	(7.4)	ND	(4.1)	ND	(8.3)	2.9 J	(3.7)	ND	(3.8)
	4,4'-DDE	42	(15)	36	(7.4)	0.50 J	(4.1)	19	(8.3)	18	(3.7)	6.5	(3.8)
	4,4'-DDT	90	(15)	43	(7.4)	ND	(4.1)	41	(8.3)	31	(3.7)	8.9	(3.8)
	Aldrin	0.44 J	(7.7)	0.81 J	(3.8)	ND	(2.1)	ND	(4.3)	ND	(1.9)	ND	(1.9)
	Chlordane	230	(77)	130	(38)	ND	(21)	88	(43)	30	(19)	ND	(19)
	Dieldrin	2.1 J	(15)	0.34 J	(7.4)	ND	(4.1)	0.073 J	(8.3)	ND	(3.7)	ND	(3.8)
	Heptachlor	ND	(7.7)	ND	(3.8)	ND	(2.1)	ND	(4.3)	ND	(1.9)	ND	(1.9)
	alpha-BHC	ND	(7.7)	0.12 J	(3.8)	ND	(2.1)	ND	(4.3)	ND	(1.9)	ND	(1.9)
	delta-BHC	ND	(7.7)	ND	(3.8)	0.24 J	(2.1)	ND	(4.3)	0.15 J	(1.9)	0.24 J	(1.9)

Location ID		DP-14-07		DP-14-08		DP-14-09		DP-14-10		DP-14-11		DP-14-12	
Beginning Depth-End Depth (ft)		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2		0.5-2	
SW8080 (µg/kg)	4,4'-DDD	ND	(3.7)	ND	(4.2)	ND	(39)	ND	(370)	ND	(3.9)	ND	(,1700)
	4,4'-DDE	0.49 J	(3.7)	6.5	(4.2)	93	(39)	ND	(370)	0.92 J	(3.9)	3,000	(1,700)
	4,4'-DDT	0.34 J	(3.7)	12	(4.2)	270	(39)	68 J	(370)	3.9	(3.9)	7,400	(1,700)
	Aldrin	ND	(1.9)	ND	(2.1)	1.2 J	(20)	230	(190)	ND	(2)	ND	(890)
	Chlordane	ND	(19)	7.5 J	(21)	900	(200)	7,300	(370)	ND	(3.9)	26,000	(1,700)
	Dieldrin	ND	(3.7)	ND	(4.2)	ND	(39)	ND	(370)	ND	(3.9)	ND	(1,700)
	Heptachlor	ND	(1.9)	ND	(2.1)	ND	(20)	2,200	(190)	ND	(2)	ND	(890)
	alpha-BHC	ND	(1.9)	ND	(2.1)	ND	(20)	ND	(190)	ND	(2)	ND	(890)
	delta-BHC	ND	(1.9)	0.30 J	(2.1)	ND	(20)	150 J	(190)	ND	(2)	ND	(890)

Note: Shaded results exceed the RAO cleanup criteria presented in Table 4.6-1.

J = Estimated concentration; analyte measured below the detection limit.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.

4.7 AOC-P—Building 301 Fuel Tank Leaks (IRP Site OT-44)

BTEX was detected in the soil and groundwater at AOC-P (the Building 301 Fuel Tank Leaks) during Phase I activities. A TRPH concentration was detected in one soil boring above the Base-specific cleanup level of 1000 mg/kg. An associated risk assessment determined that the site posed no risk to human health or the environment. However, NMED requested confirmation of TRPH concentrations at the site. During the Phase II RFI, TRPH concentrations were not confirmed in the same area but were detected in a localized area near an underground fuel line in the north- eastern portion of the site. CNFA is recommended for AOC-P; the condition of NFA is the remediation of TRPH-contaminated soil to the Base-specific cleanup level. A Class 3 permit modification request has been submitted to EPA Region VI by Holloman AFB recommending site closure

4.7.1 SWMU Description

AOC-P, the Building 301 Fuel Tank Leaks, is located on the south side of Building 301 (an aircraft maintenance hangar) adjacent to the main taxiway in the northern portion of the Main Base area. A drainage trench approximately 2 by 40 ft is located parallel to the southeastern and southwestern walls of Building 301. The entire site is covered with concrete and/or asphalt and the topography is relatively flat. Figure 1-2 shows the location of AOC-P on Holloman AFB, and Figure 4.7-1 shows the site layout.

During an exploratory excavation for a sewer line, liquid hydrocarbons were observed floating on top of the water table. The source of these hydrocarbons may have been oil from aircraft spills on the concrete area west of Building 301, or leakage from an old underground heating oil tank located south of Building 301. According to Base records, a 25,000-gal. fiberglass UST containing diesel was located in the southeastern portion of the site from approximately 1979 to 1991.

Geology and Hydrogeology

The stratigraphy at AOC-P consists primarily of silty sands. Drilling logs completed during the Phase II RFI noted 2 in. of asphalt and 4 to 6 in. of concrete overlying silty sands to the total depth of the boreholes (5 to 6.5 ft). Drilling logs from the 1989 RI noted the presence of poorly graded sands in the southwestern portion of the site and a clay lens beneath the silty sands in the northeastern portion of the site (Walk, Haydel and Associates, 1989a).

Groundwater was encountered at 4 to 4.5 ft bgl in borings at AOC-P. The groundwater flows to the south-southwest (Walk, Haydel and Associates, 1989a).

4.7.2 Phase I Activities

The site was not identified in the *IRP Phase I Records Search* (CH2M Hill, 1983). However, when liquid hydrocarbons were discovered on the water table, the site was added to the IRP. During the initial investigation, one monitor well (50W-1) and one soil boring (50B-1) were installed to depths of 19 and 22 ft bgl, respectively, during an investigation completed in 1985 (Dames and Moore, 1987). Concentrations of oil and grease and phenolics were detected in the soil samples. The groundwater sample contained concentrations of oil and grease, TOX, and total organic carbon. The sample locations are shown in Figure 4.7-1.

The 1989 RI (Walk, Haydel, and Associates, 1989a) was conducted to determine the nature and extent of contamination at AOC-P. The 1989 RI consisted of unsuccessful attempts to locate an abandoned underground heating oil tank. Five monitoring wells and one soil boring were also installed during the investigation. A TRPH concentration of 7946 mg/kg was detected in soil

samples from MW2 and low levels of VOCs were detected in the groundwater. Sample locations are shown in Figure 4.7-1.

A quantitative risk assessment, conducted as part of the 1989 RI, concluded that, although soil and groundwater contamination were detected at the site, the contaminants presented no significant threat to human health or the environment.

A small intermittent leak was detected from the 25,000-gal. UST during a tank tightness test conducted in 1990 (Tracer, 1990). Three vapor detection points were installed adjacent to an underground pipe running north from the UST into Building 301. Base records indicate that the tank was removed in 1991.

In 1991, AOC-P was recommended for closeout under the IRP as Site OT-44 with a DD. However, the NMED required additional investigation of the site to confirm that TRPH concentrations did not exceed 1000 mg/kg.

4.7.3 Phase II Activities

The Phase II RFI was conducted in 1994 at SWMU 134 to address the NMED's concern regarding TRPH concentrations in the soil. During the Phase II RFI, soil samples were collected initially from four borings drilled at the site. Soil samples were collected from two additional soil borings after potential contamination was observed while drilling the first four soil borings. The soil samples were collected from 1 to 3 ft bgl and 3 to 5 bgl. Soil boring locations are shown in Figure 4.7-1.

Analytical Results

The soil samples collected from AOC-P were analyzed for TRPH using EPA Method 418.1.

The analytical results are presented in Table 4.7-1. With the exception of soil boring 44-B07, TRPH concentrations detected in the soil borings ranged from less than the detection limit to 404 mg/kg. TRPH concentrations of 17,100 and 30,700 mg/kg were detected in the 0.5-2.5-ft bgl sample interval and the 2.5-4.5-ft bgl sample interval, respectively. Stained soils were encountered in soil boring 44-B07 and slightly stained soils were observed in soil boring 44-B11. Soil boring 44-B07 is located near a fuel line and a door to Building 301.

4.7.4 Conclusions

TRPH concentrations above the Base-specific NMED limit of 1000 mg/kg were detected only in soil boring 44-B07. The boring is located approximately 4 ft northeast of an underground fuel line that was connected to an excavated UST and is near a door to Building 301. The extent of TRPH contamination appears to be limited to a localized area surrounding the soil boring.

4.7.5 Recommendations

CNFA is recommended for AOC-P; the condition of NFA is remediation of TRPH-contaminated soils to the Base-specific cleanup level. A Class 3 permit modification request has been submitted to EPA Region VI recommending site closure.

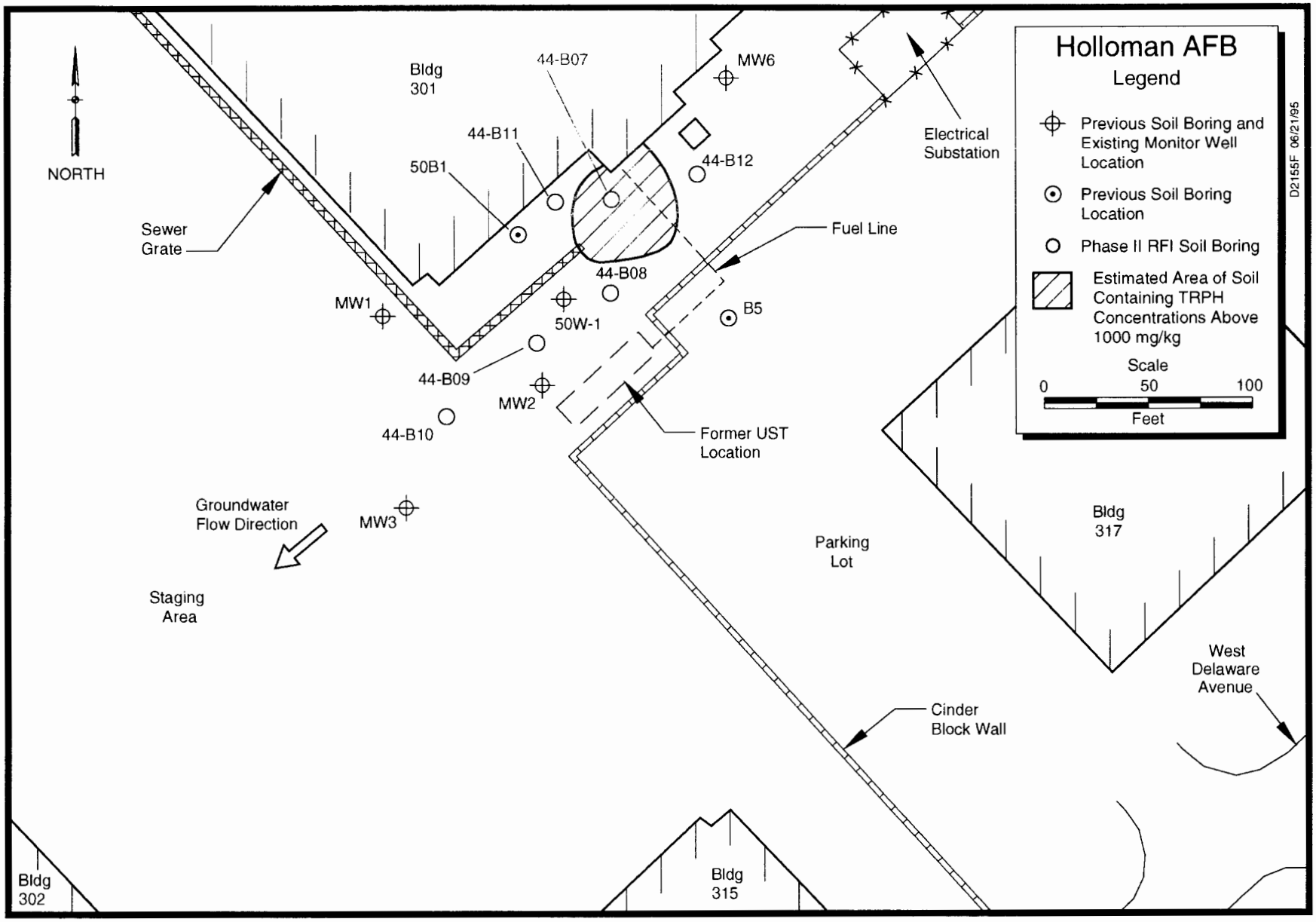

Figure 4.7-1. AOC-P - Soil Sample Locations

Table 4.7-1
Analytical Results for AOC-P Soil Samples

Location ID	Beginning Depth-End Depth (ft)	TRPH E418.1 (mg/kg)	
44-B07	0.5-2.5	17,100	(565)
	2.5-4.5	30,700	(791)
	4.5-6.5	ND	(28.8)
44-B08	1-3	ND	(28.7)
	3-5	ND	(29)
44-B09	1-3	ND	(29.3)
	3-5	145	(29.2)
44-B10	1-3	ND	(30.8)
	3-5	264	(27.9)
44-B11	1-3	156	(26)
	3-5	404	(24.9)
44-B12	1-3	70.3	(26.3)
	3-5	169	(29.1)

Note: Shaded results exceed the Base-specific cleanup level of 1000 mg/kg.

( ) = Detection limit.
ND = Not detected. No instrument response for analyte or result less than zero.

4.8 AOC-T—POL Storage Tank Leaks (IRP Sites SS-02 & SS-05)

Petroleum contamination was detected in the soil and groundwater at AOC-T (the POL Storage Tank Leaks) during the 29 Sites RI. Because TRPH concentrations in the soil exceeded the Base-specific cleanup level, AOC-T entered into the FS/CMS process, which established a cleanup criterion and recommended a VCA. The extent of TRPH-contaminated soil was delineated during Phase II activities, and an SVE system has been designed and implemented at AOC-T to remediate TRPH concentrations to the cleanup criterion. The Phase II activities confirmed that BTEX contamination was present in groundwater beneath the spill areas and extended downgradient to the eastern edge of Dillard Draw; however, groundwater contamination does not pose an unacceptable risk to human health or the environment because no complete groundwater exposure pathways are present. In addition, by removing the soil contamination via the SVE system, the contaminant source to groundwater will be removed. CNFA is recommended for AOC-T; the conditions of NFA are the remediation of TRPH-contaminated soils to the cleanup criterion and long-term monitoring to ensure that the remedial action is preventing further degradation of groundwater beneath the site.

4.8.1 SWMU Description

AOC-T occupies approximately one-third acre in the northeastern portion of the POL storage yard, which is located east of the Main Base and approximately 900 ft west of the Base boundary. The topography of the site is generally flat, but drops suddenly to the east into a surface drainage feature. This drainage feature, Dillard Draw, is located adjacent to the eastern boundary of the Base. Figure 1-2 shows the location of AOC-T on Holloman AFB, and Figure 4.8-1 shows the site layout.

AOC-T consists of two petroleum spill sites, Spill Site No. 1 (IRP Site SS-02) and Spill Site No. 2 (IRP Site SS-05) that occurred in the former bermed area shown in Figure 4.8-1. At Spill Site No. 1, spills of JP-4 and AVGAS occurred from the early 1960s to the late 1970s in an unlined bermed area when fuel tanks were periodically overtopped. The amount of fuel spilled is not known. At Spill Site No. 2, approximately 30,000 gal. of JP-4 were spilled in 1978 when a drain valve for a 4-in. fuel line was accidentally left open. According to Base personnel, 95% of the fuel was recovered, but an estimated 1500 gal. seeped into the gravel base of the POL storage area. The tanks were removed in 1987, but the tank saddles were left in place and covered with a 4-ft-high soil mound, which contained soil previously used for a berm around the tanks.

Geology and Hydrogeology

The stratigraphy of AOC-T consists primarily of silty sands near Dillard Draw and interbedded sands and clays in the northern portion of the site. Drilling logs compiled during the Phase II RFI note silty sands to the total depth of the boring (14 ft) in two wells in the draw. A unit of poorly graded sand was encountered beneath the silty sands at 7 ft bgl in a well drilled in the draw further to the north. The drilling log for a well installed to 23 ft bgl above the draw at the northern end of the site notes 5 ft of silty sands overlying interbedded clayey sands, clays, and poorly graded sands. A very hard, cemented 6-in. layer of caliche was encountered at 12 ft bgl during installation of this well. Drilling logs, presented in Appendix B.1, provide a detailed description of the site lithology.

Groundwater was encountered at 4 ft bgl in borings drilled in the arroyo and 15.5 ft bgl in the boring above the arroyo to the north. Water level measurements taken during 1994 RFI groundwater sampling at AOC-T indicate that

groundwater flow is predominantly east to southeast, toward the arroyo.

4.8.2 Phase I Activities

The site was identified in the *IRP Phase I Records Search* (CH2M Hill, 1983), and, as a result, was investigated under Phase I of the IRP as Sites SS-02 and SS-05 in 1991. Sixteen soil borings were drilled around the edges of the soil mound covering the tank saddles. TRPH and other petroleum constituents were detected in 9 of the 16 borings. Most TRPH concentrations ranged from 14.3 to 766 mg/kg. Two TRPH concentrations outside this range (5220 and 17,500 mg/kg) were detected near the groundwater table in the southern portion of the mounded area. The highest concentrations were detected near the groundwater table, suggesting that the source had not been completely identified. Groundwater samples were collected from five monitor wells, and petroleum contamination was detected in all but one well. The highest concentrations, ranging from 2100 to 2900 µg/L, were detected downgradient of the former tank locations (to the northeast and the southeast).

A preliminary risk-based screen was conducted for AOC-T as part of the 29 Sites RI. The screen indicated that further assessment was necessary to quantify the risks posed by petroleum constituents in the soil. Petroleum contamination in the groundwater could not be fully evaluated because sufficient information was not available to identify exposure pathways (Radian, 1992b).

Because TRPH concentrations in soils at AOC-T exceeded the Base-specific cleanup level, remedial action was recommended. In addition, further investigation was recommended to determine the source of BTEX contamination, define the extent of contamination downgradient of the source, and evaluate potential groundwater exposure pathways.

After reviewing the *29 Sites RI* (Radian, 1992b), EPA Region VI issued a letter, received by the Base on 3 November 1992, requesting additional investigation to:

- Determine the source and lateral extent of soil contamination; and
- Delineate the extent of groundwater contamination.

4.8.3 Phase II Activities

The following additional investigations were conducted at AOC-T to address EPA Region VI concerns and to implement the site recommendations:

- The corrective measures study in 1992;
- The feasibility study in 1993; and
- The Phase II RFI in 1994.

To select the appropriate remedial action, AOC-T was entered into the FS/CMS process. The corrective measures study attempted to establish health-based RAOs for soil contamination at the site. However, because soil at the site does not present an unacceptable risk, the Base-specific TRPH cleanup level of 1000 mg/kg was chosen to prevent further degradation of groundwater beneath the site. The *CMS Plan* (Radian, 1992a) also proposed a cleanup criterion of 25 mg/kg for benzene. However, these cleanup criteria were revised in 1992 by NMED (James B. Bearzi to Howard E. Moffitt, personal communication, 2 November 1992). The revised cleanup criterion consisted of only the Base-specific TRPH level.

To determine the source and lateral extent of soil contamination exceeding the cleanup criterion, a predesign investigation was conducted in 1993. During the predesign investigation, a 37-point soil gas survey was conducted to determine the best locations for nine soil borings in the mounded area. Figure 4.8-1 shows the location of the soil borings.

To determine the extent of groundwater contamination downgradient of the site, a Phase II RFI was conducted in 1994. During the investigation, groundwater samples were collected from 38 temporary standpipes installed with a DPT rig. The samples were screened for BTEX in the field with a gas chromatograph; three of these samples were submitted to the laboratory for confirmation analysis.

On the basis of the results of the field screening, four monitor wells were installed outside the area of contamination. Groundwater samples were collected from the four new monitor wells and four existing monitor wells. Development logs and groundwater sampling forms are presented in Appendix B. The sample locations are shown in Figure 4.8-2.

Field Screening

The soil gas survey indicated that BTEX constituents were concentrated mainly in the mounded area. The soil gas survey results were presented in the *FS* (Radian, 1993b) and have been included in Appendix B.6.

DPT groundwater screening indicated that BTEX contamination extends from the northeast to the southeast of the site. The highest benzene concentrations (1200 to 3800 µg/L) were detected near the mounded area and typically attenuated to below detection limits within 200 ft. Duplicates of three DPT groundwater samples were submitted to the laboratory for confirmation analysis using EPA Method SW8020. The results for these samples indicated that field screening adequately identified the presence or absence of BTEX constituents. The results of the DPT groundwater screening are presented in Appendix B.6. Figure 4.8-2 shows the estimated extent of groundwater contamination.

Analytical Results

All soil samples collected at AOC-T were analyzed for TRPH using EPA Method 418.1. The analytical results are shown in Table 4.8-1. TRPH concentrations exceeding the cleanup criterion (1140 to 9930 mg/kg) were detected in samples from beneath the mounded area (soil borings SB-02&5-17 through SB-02&5-21) at depths from 4 to 18 ft below the mound surface. TRPH concentrations exceeding the cleanup criterion were detected only at depth (14 to 16 ft bgl) in soil boring SB-02&5-22 (2340 mg/kg), and only in the surface sample (0 to 2 ft) of soil boring SB-02&5-24 (1440 mg/kg). No TRPH concentrations exceeding the cleanup criterion were detected in the soil samples collected above the groundwater table at the northern and southern ends of the mounded area (SB-02&5-23 and SB-02&5-24, respectively).

All groundwater samples collected at AOC-T were analyzed for BTEX using EPA Method SW8020. The results are shown in Table 4.8-2. The highest levels of BTEX (ranging from 390 to 6600 µg/L benzene) were detected in the three monitor wells immediately downgradient of the mounded area. From 1992 to 1994, the benzene concentration in monitor well MW-02&5-05 decreased from 2900 to 390 µg/L, whereas the concentration increased in well MW-02&5-02 from 2100 to 6600 µg/L.

Toluene and total xylenes concentrations were reported for several groundwater samples; however, these constituents were also detected in associated laboratory method blanks, making the presence in the normal samples uncertain and likely due to low-level laboratory contamination.

The *SQCSR* (Radian, 1995b) concluded that only sample concentrations exceeding 0.56 µg/L for toluene and 0.49 µg/L for total xylenes could be distinguished from laboratory background concentrations. Therefore, no analytes were detected above detection limits in the monitor wells located further downgradient.

Groundwater Pathway Evaluation

The potential exposure pathway consisting of contaminated groundwater discharging to Dillard Draw via seeps and springs was evaluated. Water level measurements were taken in monitor wells at AOC-T and a cross section of the water table was created. As shown in Figure 4.8-3, groundwater does not discharge to the draw. No seeps or springs have been observed, and groundwater levels at Holloman AFB fluctuate less than 2 ft. Therefore, a groundwater exposure pathway via surface discharge is not present.

4.8.4 Conclusions

The vertical and lateral extent of TRPH contamination has been delineated. The contamination is confined to soils in the mounded area and extends to the groundwater table. An SVE system has been installed to remediate these soils to below the cleanup criterion.

BTEX contamination in the groundwater extends downgradient of AOC-T, both northeast and southeast, and terminates near the eastern edge of Dillard Draw.

A groundwater exposure pathway via surface water is not present. Therefore no complete groundwater exposure pathways are present, and the site does not pose an unacceptable risk to human health or the environment.

4.8.5 Recommendations

CNFA is recommended for AOC-T; the condition of NFA is the remediation of TRPH-contaminated soils to the Base-specific cleanup level. AOC-T is also recommended for long-term monitoring to ensure that the remedial action prevents further degradation of the groundwater beneath the site.

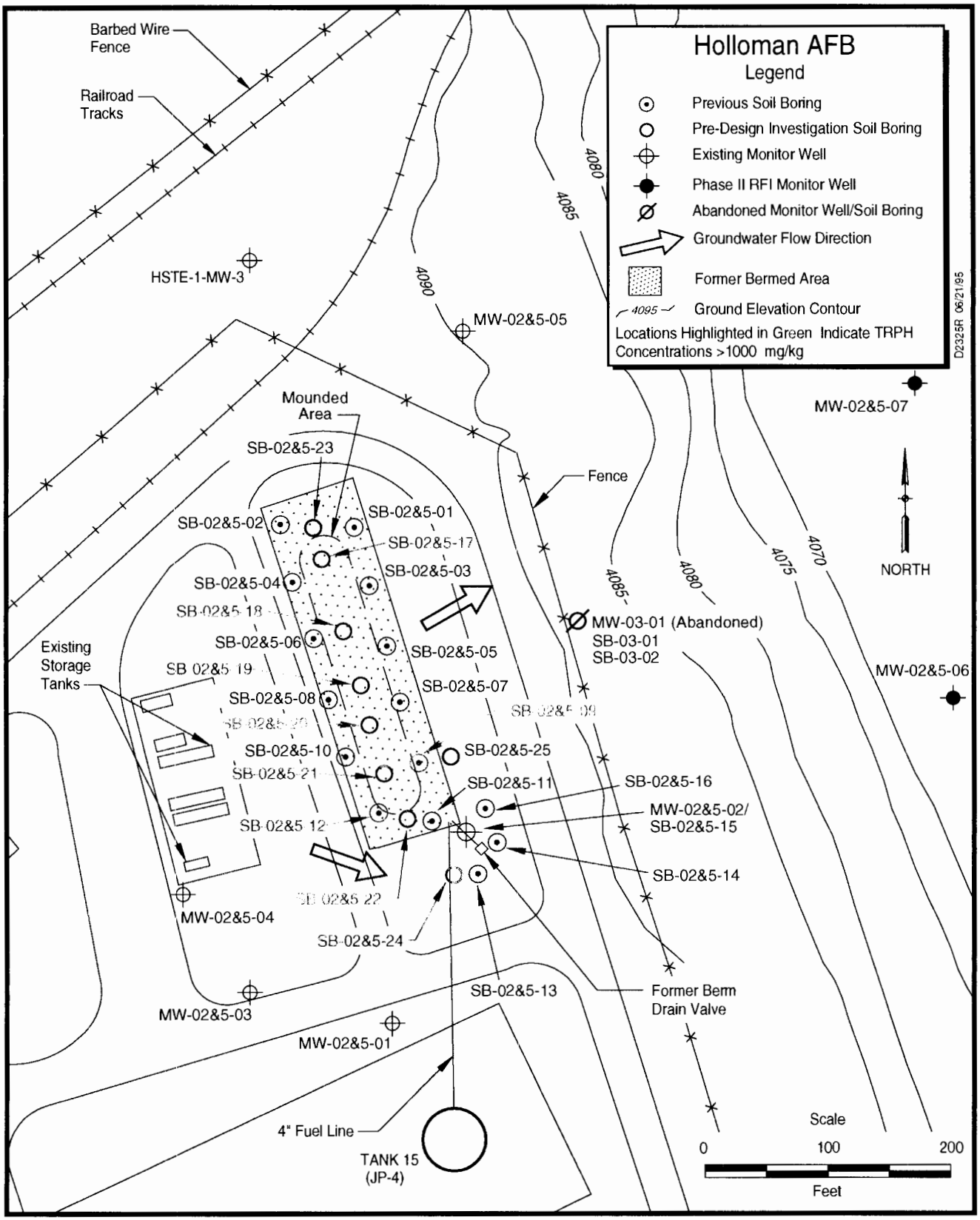

Figure 4.8-1. AOC-T - Soil Sample Locations

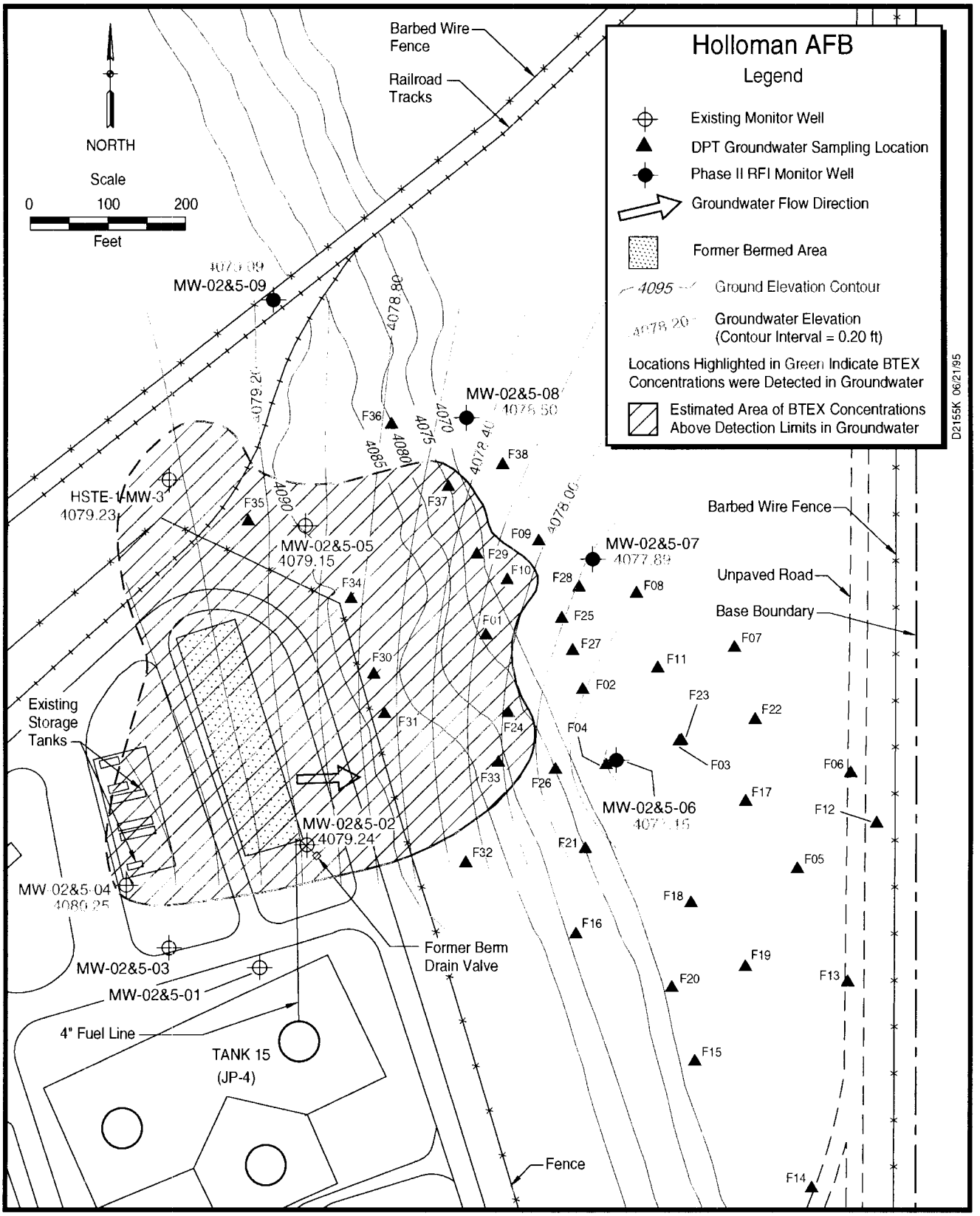

Figure 4.8-2. AOC-T - Groundwater Sample Locations

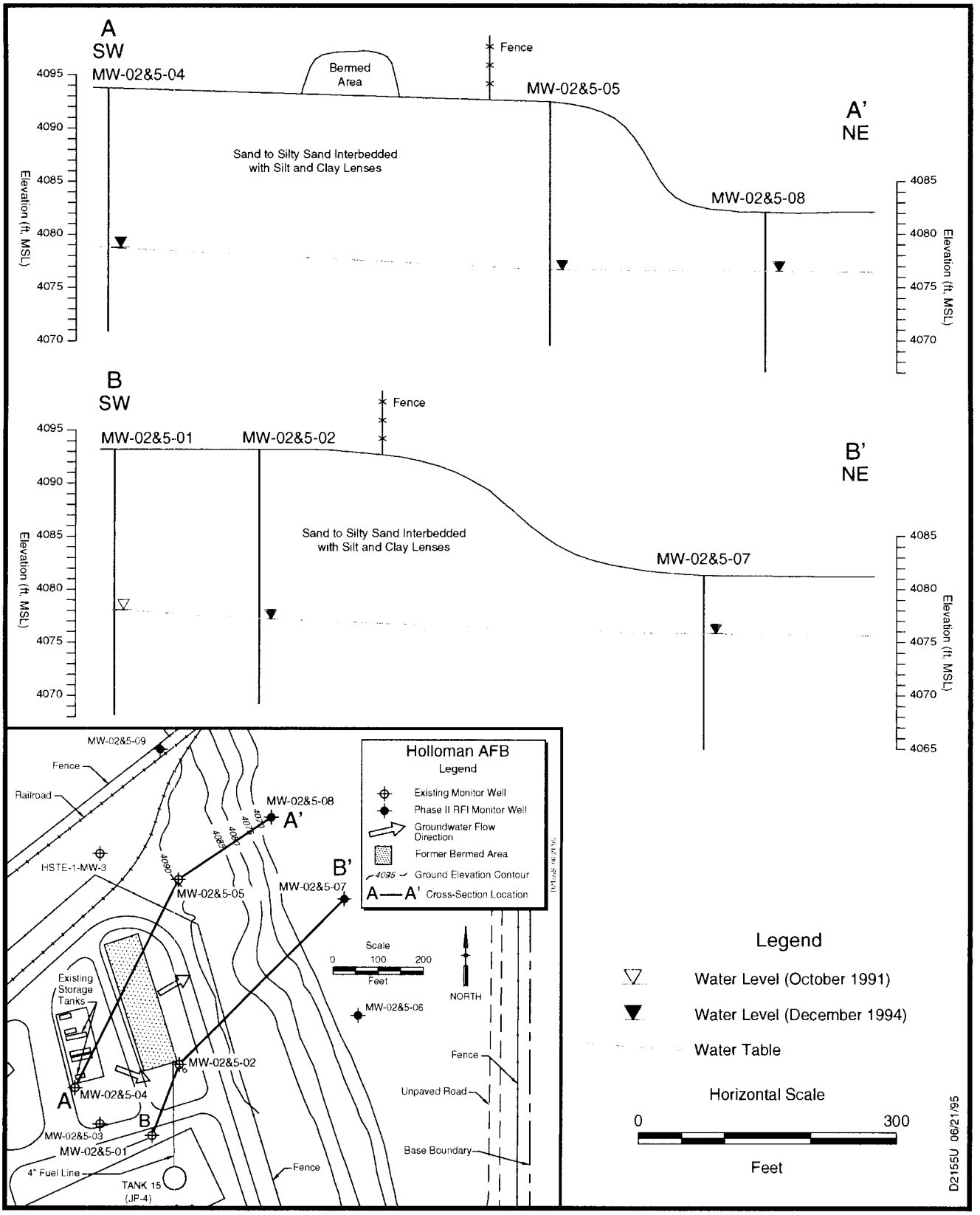

Figure 4.8-3. AOC-T - Cross Sectional View of the Water Table

Table 4.8-1
Analytical Results for TRPH in AOC-T Soil Samples

Location	Depth (ft)[a]	TRPH[b] (mg/kg)
SB-02&5-01	5 - 7	ND
	10 - 12	ND
SB-02&5-02	0 - 2	59
	2.5 - 4.5	138
SB-02&5-03	0 - 2	ND
	10 - 12	ND
SB-02&5-04	0 - 2	766
	2.5 - 4.5	488
SB-02&5-05	2 - 4	ND
	8 - 10	ND
SB-02&5-06	10 - 12	ND
	15 - 17	517
SB-02&5-07	2.5 - 4.5	ND
	7.5 - 9.5	50
SB-02&5-08	10 - 12	ND
	15 - 17	ND
SB-02&5-09	5 - 7	378
	15 - 17	17,500
SB-02&5-10	5 - 7	ND
	15 - 17	546
SB-02&5-11	2.5 - 4.5	ND
	10 - 12	ND
SB-02&5-12	10 - 12	ND
	15 - 17	5,220
SB-02&5-13	0 - 2	16
	10 - 12	40
SB-02&5-14	5 - 7	ND
	10 - 12	ND
SB-02&5-15	0 - 2	14
SB-02&5-15	5 - 7	42
SB-02&5-16	2.5 - 4.5	ND
	7.5 - 9.5	ND
SB-02&5-17	8 - 10	198
	14 - 16	1,140
SB-02&5-18	8 - 10	491
	10 - 12	2,020
	16 - 18	5,050
SB-02&5-19	4 - 6	5,810
	8 - 10	5,600
	12 - 14	3,300
	16 - 18	3,790
SB-02&5-20	8 - 10	2,590
	12 - 14	2,420
	18 - 20	1,720
SB-02&5-21	6 - 8	9,930
	10 - 12	5,160
	14 - 16	1,520
	16 - 18	8,550
SB-02&5-22	8 - 10	ND
	14 - 16	2,340
SB-02&5-23	6 - 8	ND
	14 - 16	55
SB-02&5-24	0 - 2	1,440
	6 - 8	ND
	10 - 12	305
SB-02&5-25	4 - 6	ND
	14 - 16	ND

Note: Adapted from the *FS* (Radian, 1993b).
Note: Samples from SB-02&5-01 through SB-02&5-16 were collected during the 29 Sites RI (Radian, 1992a). Samples from SB-02&5-17 through SB-02&5-25 were collected during the predesign investigation.

[a]Depths for SB-02&5-17 through SB-02&5-21 are measured from the top of the mounded area, which is 4 ft above adjacent ground level.

[b]TRPH analysis by EPA Method 418.1.

ND = Not detected or below method detection limit.

Table 4.8-2
Analytical Results for AOC-T Groundwater Samples

Location ID		1-MW-03		MW-02&5-02		MW-02&5-04		MW-02&5-05	
SW8020 (µg/L)	Benzene	4,100	(63)	6,600	(120)	0.95	(0.5)	500	(6.2)
	Ethylbenzene	ND	(63)	1,000	(120)	ND	(0.5)	480	(6.2)
	Toluene	5.4 JB	(63)	ND	(120)	0.10 JB	(0.5)	76	(6.2)
	Total xylenes	42 J	(63)	ND	(120)	1.5	(0.5)	170	(6.2)

Location ID		MW-02&5-06		MW-02&5-07		MW-02&5-08		MW-02&5-09	
SW8020 (µg/L)	Benzene	ND	(0.5)	ND	(0.5)	ND	(0.5)	ND	(0.5)
	Ethylbenzene	ND	(0.5)	ND	(0.5)	ND	(0.5)	ND	(0.5)
	Toluene	ND	(0.5)	0.020 JB	(0.5)	0.036 JB	(0.5)	ND	(0.5)
	Total xylenes	ND	(0.5)	ND	(0.5)	0.12 JB	(0.5)	ND	(0.5)

B = Reported analyte concentration may be due to analytical background (or noise) from the laboratory.
J = Estimated concentration; analyte measured below the detection limit.
ND = Not detected. No instrument response for analyte or result less than zero.
( ) = Detection limit.

Section 5
SUMMARY OF RFI CONCLUSIONS

The overall objective of the Phase II activities was to resolve the regulatory agency concerns (summarized in Table 5-1) regarding the data collected during Phase I activities. To achieve this objective, the additional investigations (summarized in Table 5-2) were conducted. The data gathered during these investigations were used to determine that the objective has been met.

Table 5-3 summarizes the conclusions and recommendations for future action at each SWMU evaluated during the Phase II RFI. The *Phase I RCRA Facility Investigation Report, Table 2 Solid Waste Management Units* (Radian, 1994a) presents the conclusions for SWMUs 118, 132, and AOC-A (IRP Site OT-16); SWMUs 129 and 178 (IRP Site OT-36); and SWMUs 165, 177, 179, and 181 (IRP Site OT-39).

Table 5-1
Investigation Activities at Table 1 SWMUs

SWMU	IRP Site	Preliminary Assessment	Phase I Activities			Phase II Activities		
		1983 IRP Records Search[a]	1987 Confirmation Investigation[b]	1989 RI[c]	1992 29 Sites RI[d]	1993 Predesign Investigation[e]	1994 Table 2 RFI[f]	1995 Table 1 Phase II RFI[g]
82	SD-08	X			X	X		X
102	OT-04	X			X			X
104	LF-29	X			X			X
132, AOC-A	OT-16[1]	X			X		X	X
134	OT-24	X			X			X
FTA[2]	FT-31	X	X	X			X	X
165, 179	OT- 39[3]	X			X		X	
178	OT- 36[4]	X			X		X	
197	OT-14	X			X			X
AOC-P	OT-44		X	X				X
AOC-T	SS-02 & SS-05	X			X	X		X

1 IRP Site OT-16 also contains one Table 2 SWMU (118).
2 The FTA (Fire Training Area) consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).
3 IRP Site OT-39 also contains two Table 2 SWMUs (177 and 181).
4 IRP Site OT-36 also contains one Table 2 SWMU (129).

a The 1983 *IRP Phase I Records Search* (CH2M Hill, 1983) was conducted to identify sites that may have been adversely impacted by past site activities.
b The 1987 *Confirmation/Quantification, Stage I Investigation Report* (Dames and Moore, 1987) conducted to determine the presence or absence of contamination at two sites identified during the 1983 *IRP Phase I Records Search* and five sites identified subsequent to the records search.
c The 1989 *Remedial Investigation (RI) Report* (Walk, Haydel, and Associates, 1989b) investigated the source and nature of contamination detected during the 1987 Confirmation/Quantification, Stage 1 Investigation. A risk assessment was conducted to determine the risks posed by the contaminants at each site.
d The 1992 *Remedial Investigation (RI) Report* (Radian, 1992b) determined the presence or absence of contamination at 29 IRP sites listed on Table 1 of the HSWA permit and the report also fulfilled the requirements of the Phase I RFI. Risk to human health and the environment posed by contamination (if present) was also evaluated during the investigation.
e The predesign investigation was conducted as part of the *1993 Feasibility Study—Investigation Study, and Recommendations for 29 Waste Sites* (Radian, 1993b) of the sites recommended for remedial action in the 1992 *29 Sites RI*. The 1993 predesign investigation determined the source and lateral extent of soil contamination exceeding the remedial action objectives (RAOs) established during the 1992 *CMS* (Radian, 1992a).
f The 1994 *Table 2 RCRA Facility Investigation (RFI)* (Radian, 1994a) consisted of a field investigation of SWMUs listed on Table 2 of the HSWA permit. Due to its proximity to several Table 2 SWMUs, SWMU 132 was included in this investigation.
g The 1995 *Table I Phase II RCRA Facility Investigation (RFI)* (Radian, 1995) was conducted to address EPA Region VI comments on the previous studies of SWMUs listed on Table 1 of the HSWA permit.

Table 5-2
Regulatory Agency Comments Regarding the Table 1 Phase II SWMUs

SWMU	IRP Site	Regulatory Comments
82	SD-08	1) Install additional soil borings to define the extent of soil contamination around the northwestern perimeter of the wash-rack. 2) Install additional monitor wells to delineate the full extent of organochlorine pesticide contamination in the groundwater. 3) Define the source and extent of volatile organic compounds in MW-08-01. 4) Notify EPA of newly identified SWMU(s) and associated releases.
102	OT-04	1) Determine whether a release has occurred. 2) Submit plan to conduct removal action/interim measure.
104	LF-29	1) Install additional monitor wells to provide adequate flow path coverage or install soil borings to determine contamination.
132, AOC-A	OT-16[1]	1) Determine full extent of organochlorine pesticide contamination in groundwater. 2) Determine full extent of organochlorine pesticide contamination in soil.
134	OT-24	1) Conduct periodic groundwater monitoring to verify VOC contamination in the two monitor wells.
FTA[2]	FT-31	1) NMED requested confirmation that TRPH concentrations in soils did not exceed 1000 mg/kg. 2) Extent of groundwater has not been delineated.
165, 179	OT-39[3]	1) Determine vertical extent of contamination in soil. 2) Determine extent of contamination in groundwater.
178	OT-36[4]	1) Install additional monitor wells to provide adequate flow path coverage or install soil borings to determine contamination.
197	OT-14	1) Clarify recommended further actions to reduce unacceptable risk to on-site workers.
AOC-T	SS-02 & SS-05	1) Identify the source of soil and groundwater contamination. 2) Determine full extent of groundwater contamination.
AOC-P	OT-44	1) NMED requested confirmation that TRPH concentrations in soils did not exceed 1000 mg/kg.

1 IRP Site OT-16 also contains one Table 2 SWMU (118).
2 The FTA (Fire Training Area) consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).
3 IRP Site OT-39 also contains two Table 2 SWMUs (177 and 181).
4 IRP Site OT-36 also contains one Table 2 SWMU (129).

Table 5-3
Summary of Phase II RFI Conclusions

SWMU	IRP Site	Objective	Conclusion	Recommendations
82	SD-08	Define extent of organochlorine pesticides in soil above health-based cleanup criteria.	Extent of organochlorine pesticide concentrations above the health-based cleanup criteria is limited primarily to the shallow soils in southern half of the refuse yard.	VCA and LTM; an impermeable cap over the affected soils will mitigate risk by eliminating the exposure pathway.
		Define extent of organochlorine pesticides in the groundwater.	Extent of elevated organochlorine pesticide concentrations is limited to an area immediately downgradient of the site but does not extend further downgradient.	
102	OT-04	Determine whether selenium concentrations are above the background concentrations in the groundwater.	All selenium concentrations were detected below the Basewide background UTL.	NFA
104	LF-29	Determine whether a release to groundwater has occurred at the site.	There is no evidence that a release from the site has occurred. VOCs in an upgradient monitor well were detected at much higher concentrations than in downgradient wells. The upgradient contaminant source is unknown at this time.	NFA: Separate investigation to determine the upgradient source.
134	OT-24	Confirm the presence of BTEX in two monitor wells, and define the source (if present).	The presence of BTEX was not confirmed in the two monitor wells during the Phase II RFI. BTEX was detected in two isolated groundwater samples collected during field screening.	NFA
FTA[1]	FT-31	Define the extent of soil contamination.	Extent of TRPH contamination above the Base-specific cleanup level is limited to three distinct areas: SWMU 170, the oil/water separator area (SWMUs 39, 127, and 135), and near the JP-4 tank.	CNFA; the condition of NFA is the remediation of TRPH soil contamination.
		Define extent of groundwater contamination.	Extent of BTEX contamination was primarily limited to the immediate oil/water separator area but not further downgradient. Low levels of BTEX were detected in wells downgradient of SWMU 170 and SWMU 171. Low levels of chlorinated VOCs were limited to a small area near the JP-4 tank.	
197	OT-14	Define extent of organochlorine pesticides in soil above health-based cleanup criteria.	Extent of organochlorine pesticide concentrations above the health-based cleanup criteria is limited to a band that runs east to west in the central portion of the site and extends to a depth of approximately 2 ft below ground level.	VCA: An impermeable cap over the affected soils will mitigate risk by eliminating the exposure pathway.
AOC-P	OT-44	Confirm TRPH concentrations are below 1000 mg/kg.	TRPH concentrations above 1000 mg/kg are limited to a localized area in the northern portion of the site.	VCA: TRPH soil contamination will be remediated.

Table 5-3
(Continued)

SWMU	IRP Site	Objective	Conclusion	Recommendations
AOC-T	SS-02 & SS-05	Identify source and extent of TRPH-contaminated soil	TRPH contamination is limited to the mounded area and extends to groundwater.	CNFA and LTM; the condition of NFA is the remediation of TRPH soil contamination.
		Define extent of BTEX contamination in the groundwater	BTEX contamination extends downgradient of the mounded area both to the northeast and southeast and terminates near the eastern edge of Dillard Draw. Groundwater does not discharge to the Draw.	

BTEX = Benzene, toluene, ethylbenzene, and xylenes.
CNFA = Conditional No Further Action.
LTM = Long-term monitoring.
NFA = No Further Action.
UTL = Upper tolerance limit.
VCA = Voluntary Corrective Action.
VOCs = Volatile organic compounds.

[1] The FTA consists of two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).

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APPENDIX A

Quantitative Risk Assessment Results

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Appendix A
QUANTITATIVE RISK ASSESSMENT RESULTS

The Fire Training Area (FTA) is located northeast of the main Base, and was used from 1945 to 1991. Prior to 1979, waste oils, solvents, and fuels were used in the fire training exercises; since 1979, only JP-4 has been used. The FTA consists of a large circular burn area (SWMU 170), a smaller circular burn area (SWMU 171), and an aboveground fuel tank. After 1979, the runoff was routed through an oil/ water separator (SWMU 39), a waste oil tank (SWMU 127), and discharged into an unlined drainage pit (SWMU 135). Activities at the FTA ceased in 1991.

Risk at the FTA was previously evaluated during Phase I activities (Walk, Haydel, and Associates, 1989b). Owing to the amount of additional data collected since the Phase I risk assessment, a quantitative risk assessment was performed as part of the Phase II RCRA Facility Investigation (RFI). The methodologies and the results of this risk evaluation are detailed in the following sections of this appendix:

- Section A.1—RCRA Pathway and Receptor Identification;
- Section A.2—Risk Assessment Methodology; and
- Section A.3—Risk Assessment Results.

The quantitative risk assessment and ecological assessment, which were conducted during Phase I activities, are discussed in this appendix and follow the methodology presented in the *Installation Restoration Program Remedial Investigation—Baseline Risk Assessment* (Walk, Haydel, and Associates, 1989b). This methodology will not be repeated here but will be referred to as necessary. Deviations from this methodology, however, are documented.

A.1 RCRA Receptor and Pathway Identification

The RFI requires the identification of potential human populations and environmental systems that may be susceptible to contaminant releases. Potential receptors and exposure pathways are determined on the basis of the following criteria: 1) existing and possible future use of groundwater and surface water; 2) location of groundwater users; 3) human use of or access to the Base and adjacent lands; 4) description of biota in surface water and the ecology on and off Base; 5) demographic profile of the human population, including sensitive subpopulations; and 6) description of endangered or threatened species near the Base. This information is based on Holloman Air Force Base (AFB) records, information collected during the remedial investigations (RIs), RFIs, and an exposure assessment site visit conducted in March 1995. Information presented in this section was used to determine potential receptors and exposure pathways for the FTA.

A.1.1 Groundwater

At the time of the *29 Sites RA* (Radian, 1992c) and *1989 RA* (Walk, Haydel, and Associates, 1989b) there were inadequate data to assess groundwater quality, and exposure to groundwater via domestic use was considered a complete exposure pathway. It was subsequently determined that exposure to groundwater is no longer considered an exposure pathway (see Appendix C). The groundwater underlying Holloman AFB is unfit for human consumption, as determined by New Mexico Water Quality Control Commission Regulations (NM WQCC 82-1, as amended through August 18, 1991, Parts 3-100 through 3-103) because it exceeds New Mexico human health standards for total dissolved solids (TDS) and sulfate. On the basis of the U.S. Environmental Protection Agency (EPA) document *Guidelines for*

Groundwater Classification Under the EPA Groundwater Protection Strategy (EPA, 1986), the groundwater is classified as III B. Class III groundwater, characterized as having a TDS concentration greater than 10,000 mg/L, is not considered a source or a potential source of drinking water. No water supply wells are located on or near the Base because of poor groundwater quality. Therefore, there are no complete exposure pathways for groundwater.

The primary source of fresh water for Holloman AFB is Lake Bonita, located 60 miles northeast of the Tularosa Basin.

Exposure to groundwater is not included in the quantitative human health risk assessment for the FTA. Uptake of groundwater by plants is quantified in the ecological assessment.

A.1.2 Surface Water

Groundwater discharge, in the vicinity of Holloman AFB, occurs through evapotranspiration, springs, seeps along steep-sided arroyos, or into closed playa lakes such as Lake Lucero. Because of its high TDS and high sulfate content, surface water in the area is not used as a potable water source, for agricultural purposes, or for residential use (e.g., lawn or gardening water). The lakes are too highly eutrophic for game fish to survive. The nearest surface water occurs in Lake Holloman (approximately 5 miles from the FTA; Figure A-1). Lake Holloman is the final clarification pond in the Holloman AFB sewage treatment system, and is not used for contact recreational sports or for agricultural purposes. There is no surface water near the FTA. On the basis of site reconnaissance, there are no seeps or springs in the nearby draw. Therefore, there are no complete exposure pathways for surface water.

A.1.3 Human Population

The city of Alamogordo is the only town of appreciable size within 50 miles of the Base. Alamogordo is located approximately 7 miles east of the Base boundary and had an estimated population of approximately 31,090 in 1992. Holloman AFB has a labor force of approximately 6600 military personnel and 3000 civilian personnel. Of these, approximately 5500 people reside in the southeast corner of the Base. The FTA is located north of the main Base area and, therefore, since the predominant winds are from the west to southwest, the on-Base population is predominantly upwind of the FTA. Figure A-1 shows the location of the FTA with respect to Holloman AFB and the vicinity. Workers located near the site could potentially be exposed to airborne contaminants.

Members of the population who are potentially sensitive to exposure to chemicals originating at Holloman AFB include the young, the elderly, and those with preexisting conditions that may be aggravated by exposure to chemicals of potential concern (COPCs). Locations at which sensitive members of the population might congregate include hospitals, retirement/nursing homes, schools, nurseries, and day-care centers, which are all located in the main Base area. The FTA is approximately 1.3 miles north (downwind) of potentially sensitive receptors.

The desert terrain of the area surrounding Holloman AFB has limited development in the immediate vicinity. There are no agricultural operations, residential communities, or large industrial operations located adjacent to the Base. Holloman AFB is an active military installation and is expected to remain active for the foreseeable future. No transfer of military property to the public domain is anticipated. Public access to the Base is restricted. Future land use is not expected to differ significantly from current land use practices.

A.1.4 Biota

There are two federal endangered species that have been identified at or near the Base: the peregrine falcon and the least tern. The snowy plover, mountain plover, long-billed curlew, white-

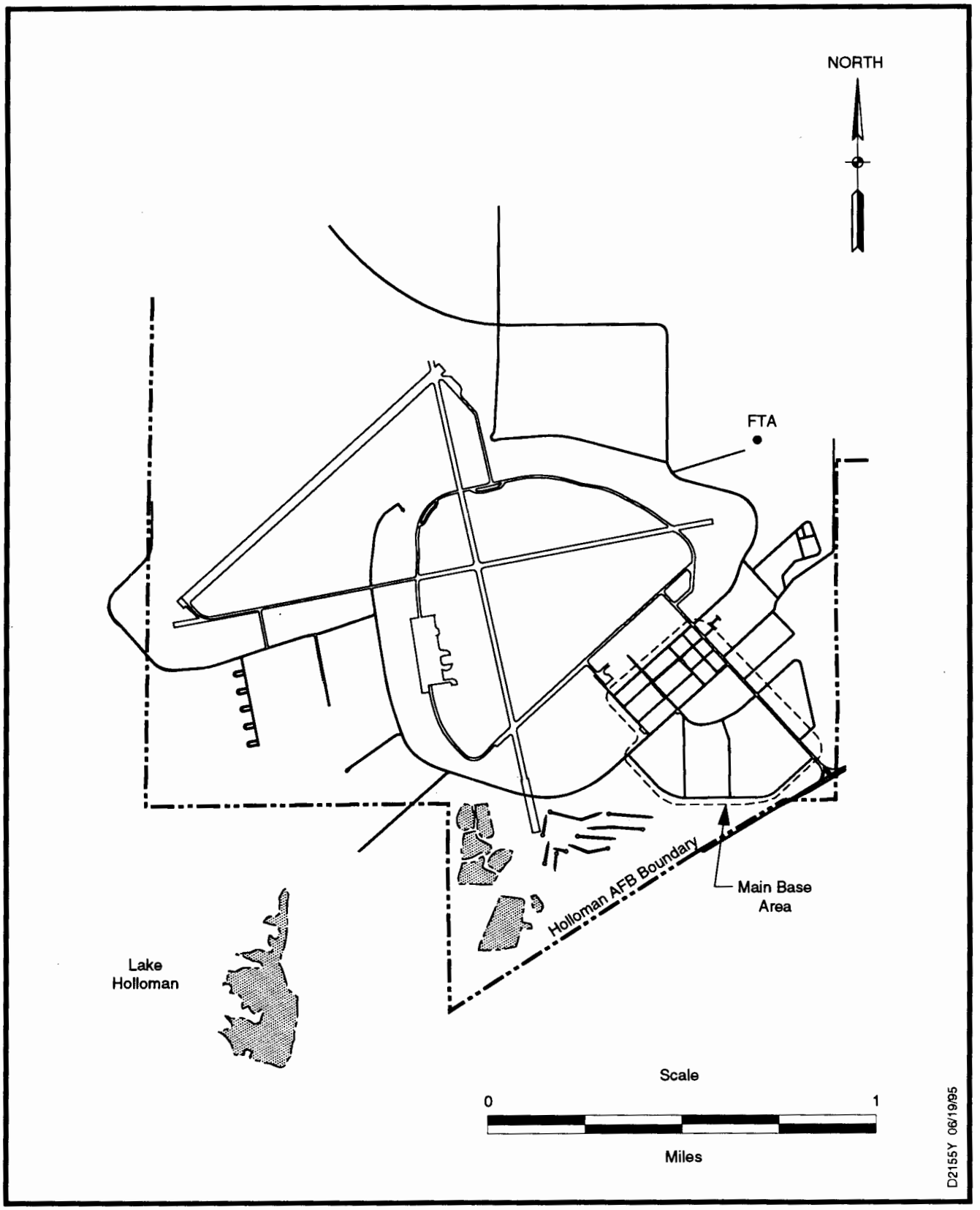

Figure A-1. Location of the Fire Training Area (FTA)

faced ibis, and ferruginous hawk are candidates for listing as endangered species, and have been identified at or near Lake Holloman (Figure A-1). However, Lake Holloman is too distant to be affected by the FTA.

A detailed discussion of critical habitats and endangered species is included in Appendix K of the *29 Sites RA* (Radian, 1992c).

A.1.5 Findings

General findings of the RCRA receptor and pathway identification process are presented in Table A-1. Additionally, human populations and environmental systems could potentially be affected by the transfer of contaminants from one medium to another. For example, contaminants in the site soils could be transferred to the air by volatilization or in the form of fugitive dust, which could potentially affect nearby human receptors. Suspected intermedia contaminant transfers and pathways are presented in Table A-2.

A.2 Risk Assessment Methodology

Appendix D of the *29 Sites RA* (Radian, 1992c) contains a detailed description of the methodology employed in conducting the quantitative human health risk assessment. Therefore, Section A.2 of this report presents only details specific to the FTA. Appendix K of the *29 Sites RA* contains detailed methodology for conducting the environmental evaluation.

A.2.1 Chemicals of Potential Concern

A detailed discussion of the sampling events at the FTA is presented in Section 4.5 of this RFI report. COPCs were selected according to the criteria detailed in Attachment A-1. A complete list of chemicals detected at the sites is also presented in the attachment.

Measured soil concentrations were screened using EPA Region III residential screening criteria (as discussed in Attachment A-5). The COPCs selected for the FTA are listed in Table A-3.

A.2.2 Exposure Assessment

This section contains information on the routes of human exposure to the COPCs that are present at, or may have migrated from, the FTA. This information is based on site visits, data gathered for this investigation, and EPA guidelines. Appendix D of the *29 Sites RA* (Radian, 1992c) contains a detailed discussion of the potentially exposed populations, exposure pathways, exposure scenarios, quantification of exposures, and exposure assessment uncertainties.

The following subsections discuss the identification of the exposure pathways, exposure scenarios, and quantification of exposures for the FTA.

A.2.2.1 Identification of Exposure Pathways

An exposure pathway describes the route that a chemical or physical agent takes from the source of contamination to the exposed individual. A complete exposure pathway generally consists of the following:

- A source and mechanism of chemical release;
- A retention or transport medium (or media in cases involving intermedia transfer of chemicals);
- A point of potential contact with the contaminated medium;
- An exposure route (e.g., ingestion); and
- A human or ecological receptor.

The following paragraphs provide information on the fate and transport of the COPCs, exposure points, and exposure pathways at the FTA.

Sources and Receiving Media

Results of chemical analyses of groundwater samples collected during the investigations at

Table A-1
General Findings of the RCRA Receptor and Pathway Identification Process

Site	RCRA Receptors and Pathways				Findings
	Groundwater	Surface Water	Impacts on Human Receptors	Impacts on Biota	
FTA	None	None	Pending further evaluation[a]	Pending further evaluation[a]	Human populations and environmental systems could potentially be affected by the transfer of a release from one medium to another at the FTA.

[a]Sensitive human subpopulations are too distant to be affected by emissions from the site. Human and biota receptors potentially affected by site contaminants are evaluated in the quantitative risk assessment.

Table A-2
Potential Intermedia Contaminant Transfer Pathways for the FTA

Release Media	Potential Receiving Media	Transfer Pathways
Soil	• Air • Groundwater • Plants	• Fugitive dust generation • Volatilization • Migration through the unsaturated zone • Overland runoff • Migration through the soil • Uptake by plants from soil
Air	• Soil	• Deposition of particles • Atmospheric washout
Groundwater	• Plants	• Uptake by plants from groundwater • Volatilization

Table A-3
COPCs Selected for the FTA

Contaminant	Media of Concern
Arsenic	ss
Barium	ss, so
Benzene	ss, so
Benzo(a)pyrene	ss
Benzo(b)fluoranthene	ss
Cadmium	ss
4-Chloroaniline	so
Ethylbenzene	so
Selenium	so
Toluene	so

so = subsurface soil; ss = surface soil

the FTA show constituents in the groundwater directly beneath the site. Soil samples collected during the investigations show contaminants in the surface and subsurface soils. The original release sources contributed contaminants to the soil and to groundwater via leaching through the soil. For the purposes of this risk assessment, the source of contamination is represented by analytical measurements of identified COPCs in the soil at the FTA.

The FTA can potentially contribute to the release of contaminants to the following media:

- Air via volatilization and fugitive dust generation; and
- Groundwater via leaching of soils by precipitation.

There is no known direct discharge of contaminants from either site to a surface water source.

Contaminant Releases to Air—To evaluate releases to the air at the sites, three types of emission mechanisms need to be considered:

- Volatilization of organic compounds from subsurface contamination;
- Volatilization of organic compounds from surface contamination; and
- Wind entrainment of contaminated dust.

Contaminant Releases to Groundwater—Contaminated groundwater occurs in a shallow unconfined aquifer underyling the site approximately 20 ft below ground level (bgl) in the silty sand. Results of chemical analyses at the FTA show that a release to the groundwater has occurred and that contaminants are present in the groundwater beneath the FTA.

Results of chemical analyses of groundwater samples collected during the investigations document the contaminants released to groundwater and are presented in the site-specific discussions in Section 4 of the RFI report.

Contaminant Releases via Surface Water Runoff

Surface runoff from the site is not likely to occur. On the basis of site reconnaissance, storm water forms pools in shallow depressions on the site and either evaporates or infiltrates into the ground.

A.2.2.2 Fate and Transport in Release Media

Primary environmental transport media for chemical substances in the environment include the air, groundwater, surface water, and soil. The potentially significant contaminant transport mechanisms considered for this risk assessment consist of the following:

- Dispersion in the air of volatiles and fugitive dust;
- Migration of contaminated groundwater; and
- Uptake by plants and animals.

Air Dispersion—Emissions of volatile organic chemicals from the sites may occur at ground level in the gaseous phase. The gases disperse in the ambient air according to local meteorological conditions. Ambient ground level concentrations are highest at the source and typically drop off rapidly at outlying areas. Since the predominant winds are from the west to southwest, the highest annual average ground level concentrations usually occur east to northeast of the FTA. There is a potential for volatile chemicals to migrate through the soil pores and eventually volatilize to the atmosphere. Volatilized contaminants from the ground surface disperse/diffuse rapidly, resulting in much lower concentrations in the ambient air.

Nonvolatile chemicals and metals can potentially enter the atmosphere as a result of wind entrainment of contaminated surface soil. Some of

the factors affecting the emission of fugitive dust into the atmosphere include gravel cover, vegetative cover, surface erodibility, and area of contaminated surface soil.

Groundwater Migration—It was determined during this RFI that groundwater in this area of the Base flows southeasterly toward Dillard Draw. There are no known seeps or springs releasing groundwater from this site into Dillard Draw, and this migration route is unlikely to occur. Groundwater modeling conducted for a nearby site (IRP Site 30 and 33) during the *29 Sites RA* (Radian, 1992c) indicated that contaminants from this area of the Base would not reach surface water (i.e., Lake Holloman) in detectable quantities.

Uptake by Plants and Animals—Plants and animals are potentially exposed to contaminants originating from this site. Groundwater, however, is in a Class III B aquifer and is not used for agricultural purposes. No water supply wells are located on or near the Base. Therefore, use of groundwater for irrigation or stock watering is not a complete pathway of exposure and was not quantified. Uptake by native plants and animals is quantified in the ecological risk assessment.

A.2.2.3 Exposure Pathways

Potentially exposed populations at the FTA consist of workers near the site, on-site construction workers, and trespassers (persons who may stray onto the site briefly). On-Base residents are located approximately 1 mile southeast of the site and are too far away to be affected by fugitive dust or volatile emissions from the site. Human exposure to contaminants originating from the site may occur in areas at and downwind from the site via inhalation of the ambient air and through dermal contact with, or incidental ingestion of, contaminated soil on site. Figure A-2 depicts potential pathways for FTA contaminants to move from the point of release to the point of human exposure. Pathways that are not complete have been crossed out; footnotes summarize the rationale for considering the pathway incomplete. Pathways that are complete but judged insignificant are indicated with a dashed line. Potentially significant pathways that exist at the site are indicated with a bold, solid line and include the following:

Workers Near the Site

- Inhalation of volatile chemicals:
  - volatilization to the air;
  - air dispersion; and
  - inhalation of volatile chemicals.
- Inhalation of fugitive dust:
  - Fugitive dust generation;
  - air dispersion; and
  - inhalation of fugitive dust.

Hypothetical Future Construction Workers and Trespassers

- Inhalation of volatile chemicals:
  - volatilization to the air;
  - air dispersion; and
  - inhalation of volatile chemicals.
- Inhalation of fugitive dust:
  - fugitive dust generation;
  - air dispersion; and
  - inhalation of fugitive dust.
- Skin contact with contaminants in soil.
- Incidental ingestion of contaminants in soil.

These pathways are quantified in the risk assessment.

Summary of Exposure Pathways to be Quantified in This Assessment

Table A-4 identifies potentially exposed populations, exposure media, exposure points, and exposure routes for complete pathways for the FTA. Also noted in this table are the decisions to select pathways for quantitative evaluation and the justification for including each pathway in this risk assessment.

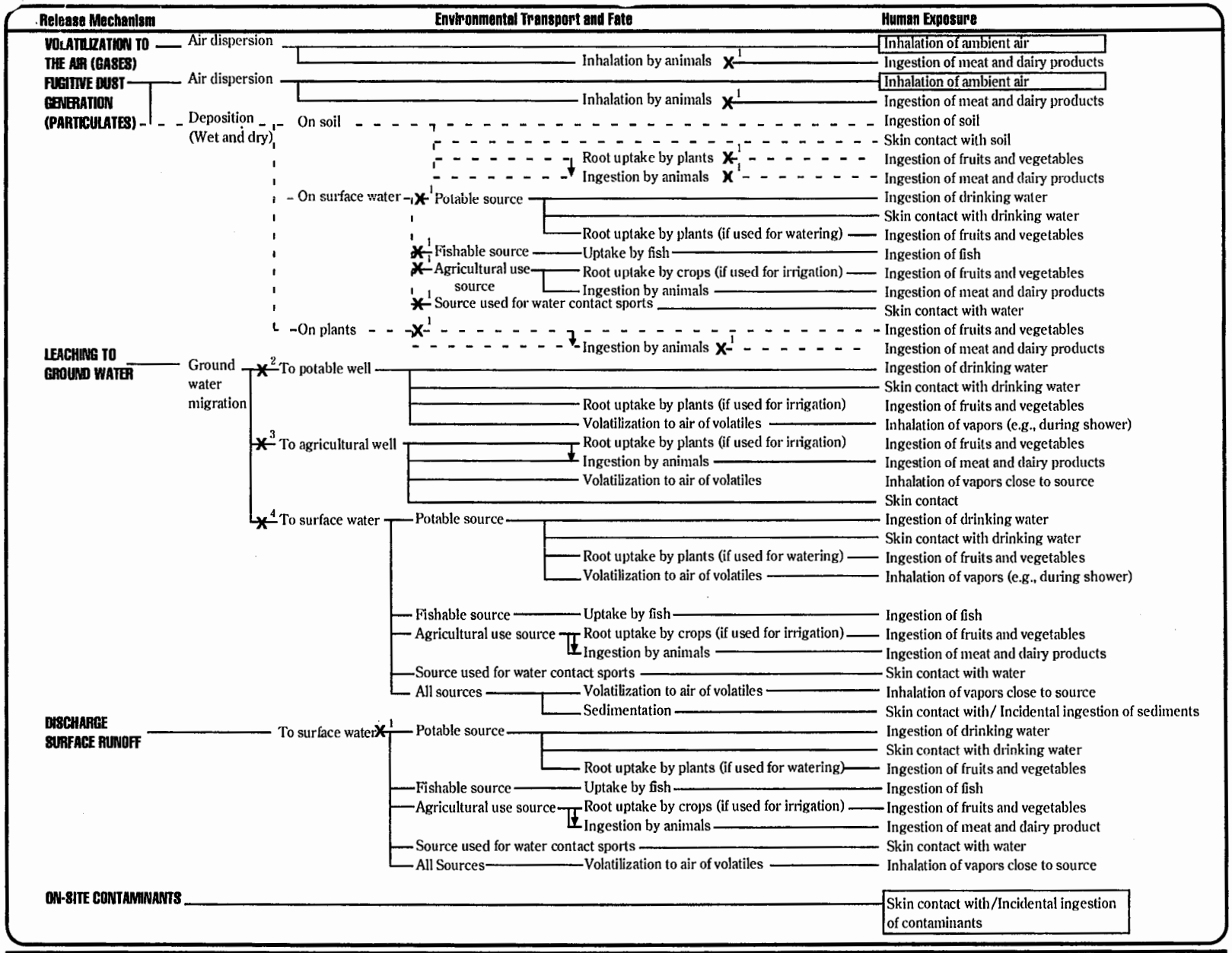

Figure A-2. FTA Potential Pathways to Human Exposure

Table A-4
Potentially Complete Exposure Pathways at the FTA

Exposure Route and Medium	Potentially Exposed Population	Pathway Selected For Evaluation	Reason for Selection or Exclusion
Inhalation of volatile chemicals in ambient air	• Workers located near the site; • Hypothetical future construction workers; and • Trespassers.	Yes	Emissions of volatile chemicals can result in inhalation exposure of nearby workers, hypothetical future construction workers, and on-site trespassers.
Inhalation of fugitive dust in ambient air	• Workers located near the site; • Hypothetical future construction workers; and • Trespassers.	Yes	Fugitive dust can disperse in the air and result in inhalation exposure of nearby workers, hypothetical future construction workers, and on-site trespassers.
Ingestion of contaminated soil	• Hypothetical future construction workers; and • Trespassers.	Yes	Hypothetical future construction workers and trespassers may inadvertently ingest contaminated soil during on-site activities.
Dermal contact with contaminated soil	• Hypothetical future construction workers; and • Trespassers.	Yes	Dermal contact with contaminated soil could occur as the result of on-site activities.
Deposition of fugitive dust on soil; ingestion and dermal contact with soil	• Workers located near the site; • Hypothetical future construction workers; and • Trespassers.	No	Dermal contact with and ingestion of fugitive dust that is deposited is insignificant compared with contact with or ingestion of on-site soil.

Exposure Scenarios

Nearby workers, on-site hypothetical future construction workers, and on-site trespasser receptors represent the significant potentially exposed population. These individuals may be subject to subchronic (i.e., short-term) or chronic (i.e., long-term) exposure to site-related contaminants. Potential site releases are low-level and relatively continuous in nature; nearby workers and trespassers are not subject to subchronic (two-week to seven-year) exposures that are greater than chronic exposures. Therefore, subchronic exposures were not evaluated for these two scenarios.

Chronic exposure scenarios are based on predicted future long-term exposures, whereas subchronic exposure scenarios are based on exposure that occurs within a two-week to seven-year time period. These scenarios assume exposure to contaminant levels predicted by modeled results at the nearest receptors. The scenarios evaluated in the risk assessment, outlined in Table A-5, consist of the following:

- **Workers Near the Site**
  - Current; and
  - Future.
- **Hypothetical Future On-Site Construction Workers**
  - Future.
- **Trespassers on the Site**
  - Current.

Current exposure scenarios are based on current surface soil concentrations, whereas future exposure scenarios use the highest of either surface or subsurface soil concentrations that may be brought to the surface by construction activities. Trespasser exposure was assessed because it is likely that people will trespass on the site. Future trespasser exposure was not assessed because future exposure concentrations will not be higher than current exposure concentrations.

A.2.2.4 Quantification of Exposures

The sections below describe the methodology used to estimate the magnitude, frequency, and duration of exposures for the populations and exposure pathways selected for quantitative evaluation. First, the exposure concentration estimates in the various exposure medium and the methods used to obtain these estimates are discussed. Second, the chemical intake estimates for individual pathways are described.

Estimation of Air Exposure Concentrations—Emission rates of COPCs from volatilization and wind entrainment of contaminated dust from the FTA were estimated by using predictive equations recommended by EPA (see Attachment A-2). The emission rates were then put into an EPA-approved computer dispersion model to estimate average and reasonable maximum chemical concentrations in the atmosphere for receptors at the FTA. Attachment A-2 presents the methodology used to calculate air emissions and presents the predicted ambient air concentrations at the receptors resulting from estimated site emissions.

Estimation of Soil Exposure Concentrations—Measured soil concentrations (average and 95th percentile upper confidence limit, or UCL) were used as exposure point concentrations for the soil pathway. Soil concentrations of the COPCs are presented in Attachment A-1.

Estimation of Chemical Intakes for Individual Pathways—Exposure is defined as the contact rate of an organism with a chemical or physical agent. Intake is defined as exposure normalized for time and body weight and is expressed in units of milligrams of chemical per kilogram of body weight per day (EPA, 1989).

Table A-5
Exposure Scenarios for the FTA

Description	Brief Rationale
Chronic Exposure	
Nearby worker • Adult, average • Adult, reasonable maximum	Workers are located near the site and may be exposed to site contaminants. Both the average and reasonable maximum cases are based on measured and modeled results.
Subchronic Exposure	
Construction worker • Adult, average • Adult, reasonable maximum	Hypothetical future construction workers were assessed to represent a worst-case exposure scenario on site. Both the average and reasonable maximum cases are based on measured and modeled results.
Trespasser • Adult, average • Adult, reasonable maximum • Child, average • Child, reasonable maximum	Trespassers were considered a likely on-site scenario. Both the average and reasonable maximum cases are based on measured and modeled results.

There are three categories of variables used to estimate intake:

- Chemical-related variables (exposure concentration);
- Variables that describe the exposed population (contact rate, exposure frequency and duration, and body weight); and
- Assessment-related variables (averaging time).

The assumptions and algorithms used to estimate exposure for each exposure pathway are shown in Table A-6 for nearby worker scenario; Tables A-7, A-8, and A-9 for the hypothetical future construction worker scenario; and Tables A-10, A-11, and A-12 for the trespasser scenario. The rationale for selecting individual values is explained in footnotes to the tables. The tables also document the equations used to calculate pathway-specific intakes.

A.2.3 Toxicity Assessment

Table A.3-1 in Attachment A-3 presents toxicity values used in the risk assessment for the COPCs with potential for human exposure at the FTA. COPCs that were screened out by the contaminant selection process were not included in the toxicity assessment. Relevant toxicity values and associated information were obtained from EPA's Integrated Risk Information System (IRIS), April 1995; Health Effects Assessment Summary Tables (HEAST), Annual FY-1994 (EPA, 1994); and other EPA references. These information sources contain toxicity values used to evaluate the risks associated with noncarcinogenic effects (reference doses and reference concentrations) and carcinogenic potential (slope factors, unit risk factors, and weight of evidence classification).

The general methodology used to assess the toxicity of the COPCs is described in the *29 Sites RA* (Radian, 1992c) and will not be repeated here. The report also includes background information, defines and explains the toxicity values used in the risk assessment, describes the sources of information used to identify the toxicity values, summarizes available information on the potential human health effects of exposure to the COPCs, and discusses the uncertainties associated with using the toxicity values to evaluate potential human health effects. Attachment A-3 of this report provides detailed summaries of the available toxicity information and describes the basis for derivation of the toxicity values used in this assessment.

A.2.4 Risk Characterization

Risk characterization combines the possible exposure pathways and subsequent estimated chemical intakes with the appropriate toxicity values to derive quantitative and qualitative expressions of potential health risk. Measured contaminant exposure levels, as well as levels predicted after fate and transport modeling, are compared with chemical-specific toxicity information to determine if current or future levels of contamination, at or near the site, warrant concern for human health.

The exposure and risk calculations are performed through the use of a computer model developed to automate the exposure quantification and risk characterization process. The model automates the equations for chemical intake and generates chemical-specific hazard indices for noncarcinogenic effects using reference doses (RfDs) and reference concentrations (RfCs) and chemical-specific carcinogenic risk estimates using cancer slope factors. The model sums the resultant values for chemicals in each of the pathways of exposure, and across pathways of exposure, to generate a total scenario hazard index for noncarcinogenic effects and a total scenario cancer risk for carcinogenic effects. The program also

Table A-6
Potential Exposure from Inhalation of Ambient Air (Volatile Chemicals and Fugitive Dust) Nearby Worker Scenario at the FTA

Effective Air Concentration (EAC), (ug/m³) = (CA x IRA x ET x EF X ED)/(IRD X AT)		Assumptions	
		Chronic (occupational)	
Parameters		Average	Reasonable Maximum
CA =	Chemical Concentration in Ambient Air (μg/m³)	Chemical-specific [a]	Chemical-specific [a]
IRA =	Inhalation Rate of Ambient Air (m³/hour)	2.1 [b]	3.0 [d]
ET =	Exposure Time (hours/day)	8 [d]	8 [d]
EF =	Exposure Frequency (days/year)	250 [e]	250 [e]
ED =	Exposure Duration (years)	25 [f]	25 [f]
IRD =	Inhalation Rate per Remainder of Day (m³/hour)	0.833 [g]	0.833 [g]
AT =	Averaging Time (period over which exposure is averaged--days)		
	-Noncarcinogenic effects	9125 [h]	9125 [h]
	-Carcinogenic effects	25550 [i]	25550 [i]

[a] See tables in Attachment A-2 for concentrations in ambient air.

[b] Adult, moderate activity level; EPA, 1989b.

[c] Adult, reasonable worst-case outdoor inhalation rate; EPA, 1989b.

[d] Assumes workers are on site an average of 8 hours per day.

[e] Assumes 5-day work week for 50 weeks per year; EPA, 1991.

[f] 95th percentile time spent working at the same location; EPA, 1991.

[g] Occupational adult, 20 m³ per 8-hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult-suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Table A-7
Potential Exposure from Inhalation of Ambient Air (Volatile Chemicals and Fugitive Dust) Future Construction Work Scenario at the FTA

Effective Air Concentration (EAC), (ug/m³) = (CA x IRA x ET x EF X ED)/(IRD X AT)		Assumptions	
Parameters		Worker Average	Reasonable Maximum
CA =	Chemical Concentration in Ambient Air (μg/m³)	Chemical-specific [a]	Chemical-specific [a]
IRA =	Inhalation Rate of Ambient Air (m³/hour)	2.1 [b]	3.0 [c]
ET =	Exposure Time (hours/day)	8 [d]	8 [d]
EF =	Exposure Frequency (days/year)	250 [e]	250 [e]
ED =	Exposure Duration (years)	0.5 [f]	0.5 [f]
IRD =	Inhalation Rate per Remainder of Day (m³/hour)	0.833 [g]	0.833 [g]
AT =	Averaging Time (period over which exposure is averaged--days)		
	-Noncarcinogenic effects	183 [h]	183 [h]
	-Carcinogenic effects	25550 [i]	25550 [i]

[a] See tables in Attachment A-2 for concentrations in ambient air.

[b] Adult, moderate activity level; EPA, 1989b.

[c] Adult, reasonable worst-case outdoor inhalation rate; EPA, 1989b.

[d] Assumes workers are on site an average of 8 hours per day.

[e] Assumes 5-day work week for 50 weeks per year; EPA, 1991.

[f] Assumes 0.5 years working on site.

[g] Occupational adult, 20 m³ per 8-hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult-suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Table A-8
Potential Exposure from Ingestion of Contaminated Soil
Future Construction Worker Scenario at the FTA

Intake (mg/kg-day) = (CS x IR x CF x EF x ED)/(BW x AT)	Assumptions
Parameters	**Worker**
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]
IR = Ingestion Rate (mg soil/day)	480 [b]
CF = Conversion Factor (kg/mg)	1E-06
FI = Fraction Ingested from contaminated source (unitless)	0.25 [c]
EF = Exposure Frequency (days/year)	250 [d]
ED = Exposure Duration (years)	0.5 [e]
BW = Body Weight (kg)	70 [f]
AT = Averaging Time (period over which exposure is averaged--days)	
-Noncarcinogenic effects	183 [g]
-Carcinogenic effects	25550 [h]

[a] See tables in Attachmetn A-1 for concentrations in soil.
[b] Adult soil ingestion for outdoor yardwork; EPA, 1991.
[c] Assumes 100% of soil consumption is from contaminated source.
[d] 5-day work week for 50 weeks per year; EPA, 1991.
[e] Assumes 0.5 years working on site.
[f] Adult, average; EPA, 1989b.
[g] ED x 365 days/year.
[h] 70 years x 365 days/year.

Table A-9
Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil
Future Construction Worker Scenario at the FTA

Intake (mg/kg-day) = (CS x CF x SA x AF x ABS x EF x ED)/(BW x AT)	Assumptions
Parameters	**Worker**
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]
CF = Conversion Factor (kg/mg)	1E-06
SA = Skin Surface Area Available for Contact (cm^2/event)	4300 [b]
AF = Soil to Skin Adherence Factor (mg/cm^2)	2.77 [c]
ABS = Absorption Factor (unitless)	Chemical-Specific [d]
EF = Exposure Frequency (events/year)	250 [e]
ED = Exposure Duration (years)	0.5 [f]
BW = Body Weight (kg)	70 [g]
AT = Averaging Time (period over which exposure is averaged--days)	
-Noncarcinogenic effects	183 [h]
-Carcinogenic effects	25550 [i]

[a] See text in Attachment A-1 for concentrations in soil.

[b] Occupational, adult male (mean skin surface area for arms, hands, and head); EPA, 1989b.

[c] Kaolin clay (for hands); EPA, 1989a.

[d] ABS for cadmium is 0.002 (CAPCOA, 1991). It is recommended that values of 1% for inorganic chemicals and 10% for organic chemicals be used as estimates of dermal absorption from a soil matrix, (Clement, 1988).

[e] 5-day work week for 50 weeks per year; EPA, 1991.

[f] Assumes 0.5 years working on site.

[g] Adult, average; EPA, 1989b.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Table A-10
Potential Exposure from Inhalation of Ambient Air (Volatile Chemicals and Fugitive Dust) Trespasser Scenario at the FTA

Effective Air Concentration (EAC), (ug/m^3) = (CA x IRA x ET x EF x ED)/(IRD x AT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CA = Chemical Concentration in Ambient Air (ug/m^3)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRA = Inhalation Rate of Ambient Air (m^3/hr)	0.96 [b]	2.4 [c]	0.833 [d]	2.1 [e]
ET = Exposure Time (hours/day)	0.25 [f]	0.25 [f]	0.25 [f]	0.25 [f]
EF = Exposure Frequency (days/year)	12 [g]	52 [h]	12 [g]	52 [h]
ED = Exposure Duration (years)	9 [i]	9 [i]	9 [i]	30 [j]
IRD = Inhalation Rate per Remainder of Day (m^3/day)	0.96 [b]	0.96 [b]	0.833 [d]	0.833 [d]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [k]	3285 [k]	3285 [k]	10950 [k]
- carcinogenic effects	25550 [l]	25550 [l]	25550 [l]	25550 [l]

[a] See text and tables in Attachment C2 for concentrations in ambient air.
[b] Child, averaged for ages 8 through 17, prorated for average activity levels; EPA, 1989b.
[c] Child, averaged for ages 8 through 17, moderate activity level; EPA, 1989b.
[d] Adult, average (20 m^3/day); EPA, 1989b.
[e] Adult, moderate activity level; EPA, 1989b.
[f] Assumes 15 minutes spent on site per site visit.
[g] Assumes site visits once a month for average case.
[h] Assumes site visits once a week for reasonable maximum.
[i] National median time (50th percentile) at one residence; EPA, 1989b.
[j] National upper bound time -- 90th percentile -- time at one residence; EPA, 1989b.
[k] ED x 365days/year.
[l] 70 years x 365 days/year.

Table A-11
Potential Exposure from Ingestion of Contaminated Soil
Trespasser Scenario at the FTA

Intake (mg/kg-day) = (CS x IR x CF x EF x ED)/(BW x AT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CS = Chemical Concentration in Ambient Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IR = Ingestion Rate (mg soil/day)	6 [b]	6 [b]	3 [c]	3 [c]
CF = Conversion Factor (kg/mg)	1E-06	1E-06	1E-06	1E-06
FI = Fraction ingested from contaminated source (unitless)	1 [d]	1 [d]	1 [d]	1 [d]
EF = Exposure Frequency (days/year)	12 [e]	52 [f]	12 [e]	52 [f]
ED = Exposure Duration (years)	9 [g]	9 [g]	9 [g]	30 [h]
BW = Body Weight (kg)	49 [i]	49 [i]	70 [j]	70 [j]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [k]	3285 [k]	3285 [k]	10,950 [k]
- carcinogenic effects	25,550 [l]	25,550 [l]	25,550 [l]	25,550 [l]

[a] See tables in Attachment A-1 for concentrations in soil.
[b] Average for children 1 to 6 years old (200 mg/day; EPA, 1989b), prorated for amount of time spent on site (based on 8 hour exposure day).
[c] Average for adults(100 mg/day; EPA, 1989b), prorated for amount of time spent on site (based on 8 hour exposure day).
[d] Assumes 100% of soil consumption is from contaminated source.
[e] Assumes site visits once a month for average case.
[f] Assumes site visits once a week for reasonable maximum.
[g] National median time (50th percentile) at one residence; EPA, 1989b.
[h] National upper bound time -- 90th percentile -- time at one residence; EPA, 1989b.
[i] Body weight averaged for ages 8 through 17; EPA, 1989b.
[j] Body weight, adult, average; EPA, 1989b.
[k] ED x 365 days/year.
[l] 70 years x 365 days/year.

Table A-12
Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil
Trespasser Scenario at the FTA

Intake (mg/kg-day) = (CS x CF x SA x AF x ABS x EF x ED)/(BW xAT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
CF = Conversion Factor (kg/mg)	1E-06	1E-06	1E-06	1E-06
SA = Skin Surface Area Available for Contact (cm^2/event)	4620 [b]	4620 [b]	5300 [c]	5300 [c]
AF = Soil to Skin Adherence Factor (mg/cm^2)	2.77 [d]	2.77 [d]	2.77 [d]	2.77 [d]
ABS = Absorption Factor (unitless)	Chemical-Specific [e]	Chemical-Specific [e]	Chemical-Specific [e]	Chemical-Specific [e]
EF = Exposure Frequency (events/year)	12 [f]	52 [g]	12 [f]	52 [g]
ED = Exposure Duration (years)	9 [h]	9 [h]	9 [h]	30 [i]
BW = Body Weight (kg)	49 [j]	49 [j]	70 [k]	70 [k]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [l]	3285 [l]	3285 [l]	10,950 [l]
- carcinogenic effects	25,550 [m]	25,550 [m]	25,550 [m]	25,550 [m]

[a] See text and tables in Attachment C1 for concentrations in soil.
[b] Child, averaged for ages 8 through 17 (means, skin surface areas for forearms, hands, lower legs, and head); EPA, 1989b.
[c] Adult, average (mean skin surface area for forearms, hands, lower legs, and head); EPA, 1989b.
[d] Kaolin clay (for hands); EPA, 1989b.
[e] Chemical-specific absorption factors for organic and inorganic compounds.
[f] Assumes site visits once a month for average case.
[g] Assumes site visits once a week for reasonable maximum.
[h] National median time (50th percentile) at one residence; EPA, 1989b.
[i] National upper bound --90th percentile-- time at one residence; EPA, 1989b.
[j] Body weight averaged for ages 8 through 17; EPA, 1989b.
[k] Body weight, adult average; EPA, 1989b.
[l] ED x 365days/year.
[m] 70 years x 365 days/year.

calculates the percentage that each chemical and each pathway of exposure contributes to the scenario total. Attachment A-4 contains the exposure and risk model output for all the sites.

Carcinogenic and noncarcinogenic risk characterization for the exposure scenarios identified for the FTA is presented in Section A.3. For carcinogens, the Superfund site remediation risk range goal is 10^{-6} (1 in 1,000,000) to 10^{-4} (1 in 10,000) (EPA, 1992b). Summed carcinogenic risks higher than this range are considered unacceptable. For noncarcinogens, hazard quotients are summed to obtain a total hazard index; a hazard index of greater than 1 indicates a potential cause for concern.

A.2.5 Environmental Evaluation

Methodology followed for the environmental evaluation is presented in Appendix K of the *29 Sites RA* (Radian, 1992c) and will not be repeated here. As described in Appendix K of the *29 Sites RA,* the black-tailed jackrabbits (*Lepus californicus)* were conservatively assessed to be indicator species for all terrestrial receptors. Jackrabbits were assumed to obtain all of their feed from the contaminated site (i.e., size of the home range of jackrabbits,which actually covers several hundred acres in the desert at Holloman AFB, was not incorporated into the assessment), and they were assumed to ingest a considerable amount of surface soil during feeding and grooming activities (i.e., 4 g/day compared with 1 g/day for pica children). Bioconcentration of contaminants through the food chain (to predators) was not included in the ecological risk assessment because the size of the feeding range of predators in the desert at Holloman AFB is enormous (thousands of acres to more than 100 square miles) and is extremely unlikely that any predator would obtain more than a small portion of its feed from a given contaminated area. The conservative assumptions used to estimate contaminant consumption by black-tailed jackrabbits make them a suitable indicator species for all terrestrial animals. If no adverse effects are indicated for the conservatively modeled jackrabbit, adverse effects to any other species are extremely unlikely. The environmental evaluation for the FTA examined the following issues:

- Contaminants of concern;
- Exposure characterization; and
- Risk characterization.

Each of the three issues are discussed in Section A.3 of this appendix. An environmental quotient (EQ) model for black-tailed jackrabbits was developed for the FTA. Appendix K, Section K.2 of the *29 Sites RA* (Radian, 1992c) presents the methodology for estimating uptake by plants, intake by black-tailed jackrabbits, and calculation of the EQ.

A no observed adverse effects level (NOAEL) of 0.015 mg/kg for lead was used in the previous ecological risk assessment (Radian, 1992c). Inhibition of the enzyme delta-aminolevulinic acid dehydrase (ALAD), which regulates hemoglobin production, has proved to be a sensitive and reliable test for low lead levels (Dieter et al., 1976). ALAD inhibition has been accepted as a standard bioassay to detect lead exposure and poisoning in birds (Blus et al., 1991). The decrease of ALAD was the most significant change in the lead poisoning of rats (Demayo et al., 1982). A three-generation, six-litter reproduction study on rats at dietary lead concentrations of 0, 10, 50, 100, 1000, and 2000 ppm showed no effect on the number of pregnancies, number of pups born alive, fertility index, gestation index, viability index, or lactation index (Azar et al.). Because inhibition of ALAD is correlated with toxic effects in many species, a NOAEL of 0.9 mg/kg in a test associated with decreased ALAD activity (Azar et

al.) is appropriate as a screening level and was used in this risk assessment.

A.3 Quantitative Risk Assessment Results

The FTA comprises SWMUs 39, 127, 135, 170, and 171. These SWMUs were grouped together because of their relative proximity and will be referred to as the FTA. Walk, Haydel, and Associates (1989b) conducted a risk assessment for the FTA using Phase I data, which was modified by the addition of new exposure pathways and quantified with new data collected during this investigation. Because groundwater is no longer considered a resource, the only pathways considered in this risk assessment were: 1) inhalation of volatile organic compounds and fugitive dust by nearby workers, construction workers, and/or trespassers; and 2) dermal contact with, or incidental ingestion of, soils by construction workers and/or trespassers.

This subsection contains the modified quantitative risk assessment results and the ecological assessment. The methodology followed during the course of the risk assessment at this site is discussed in Section A.2 of this appendix.

A.3.1 Risk Characterization

This section describes the carcinogenic and noncarcinogenic risk characterization for the exposure scenarios identified for the FTA.

A.3.1.1 Risk Characterization for Nearby Workers Scenario

The FTA was taken out of service in 1991. There are no workers directly on site; however, workers located near the site may be exposed to contaminants via inhalation of volatiles and fugitive dust. For this scenario, exposure concentrations were based on modeled air concentrations.

Present and future average and reasonable maximum carcinogenic risk estimates for workers are 1E-12 and 3E-12, respectively. Present and future average and reasonable maximum noncarcinogenic hazard indices for workers are 4E-08 and 8E-08, respectively. No difference was noted between the present and the future scenarios because the highest concentrations of all COPCs were detected in the surface soil. The future scenario assumed exposure to subsurface COPCs brought to the surface during construction activities, and the higher of the surface or subsurface soil concentrations of COPCs were selected as exposure concentrations.

Both carcinogenic and noncarcinogenic risks are well below levels considered unacceptable. Therefore, adverse health effects are unlikely. Attachment A-4 contains the chemical- and pathway-specific risk estimates by exposure scenario.

A.3.1.2 Risk Characterization for the Hypothetical Future Construction Worker Scenario

Hypothetical future construction workers may be exposed via inhalation of volatiles, inhalation of fugitive dust, dermal contact with soil, and incidental ingestion of soil. For this scenario, exposure concentrations were based on measured concentrations in the soil and modeled concentrations in the air assuming fugitive dust generated by construction activities and emission of volatiles.

The average and reasonable maximum carcinogenic risk estimates for construction workers are 5E-07 and 7E-07, respectively. The carcinogenic risk values resulting from potential future construction worker exposure are within the range considered acceptable. The average and reasonable maximum noncarcinogenic hazard indices are

0.2 and 0.4, respectively. Both are below the level considered unacceptable, indicating that adverse health effects are unlikely. Attachment A-4 contains the chemical- and pathway-specific risk estimates by exposure scenario.

A.3.1.3 Risk Characterization for the Trespasser Scenario

Trespassers may be exposed to site contaminants via the same pathways as construction workers. For this scenario, exposure concentrations were based on measured concentrations in the soil and modeled concentrations in the air assuming wind blown dust and emissions of volatiles.

The average and reasonable maximum carcinogenic risk estimates for children are 4E-08 and 2E-07, respectively. The average and reasonable maximum carcinogenic risk estimates for adults are 3E-08 and 6E-07, respectively. These values are below the range considered unacceptable.

The average and reasonable maximum hazard indices for child trespassers are 5E-04 and 3E-03, respectively. The average and reasonable maximum hazard indices for adult trespassers are 4E-04 and 2E-03, respectively. The noncarcinogenic risk values resulting from on-site trespasser exposure are below levels considered unacceptable, indicating that adverse health effects are unlikely. Attachment A-4 contains the chemical- and pathway-specific risk estimates by exposure scenario.

A.3.1.4 Uncertainties

General uncertainties associated with the selection of COPCs, the exposure assessment, and the toxicity assessment are discussed in the *29 Sites RA* (Radian, 1992c).

A.3.2 Environmental Evaluation

A previous risk assessment conducted by Walk, Haydel, and Associates (1989b) assessed risk to cattle ingesting groundwater at a hypothetical well located 3000 ft southeast of the site. Groundwater is not used as livestock water because of high salinity; therefore, this pathway was assessed only in an effort to be conservative. The pathway did not result in unacceptable risk to cattle and was not reevaluated.

Uptake by plants and risks to jackrabbits via ingestion of plants are estimated in this risk assessment.

Contaminants of Concern

All soil and groundwater contaminants detected at the FTA were included as chemicals of potential ecological concern (COPECs) for the ecological assessment, with the exception of total hydrocarbons. COPECs are presented in Tables A-13 and A-14. The 95th percentile upper confidence level UCL concentrations (see Attachment A-1) were used throughout the ecological risk assessment, except for inorganics in surface soils for which the maximum detections were used.

Exposure Characterization

Exposure to COPECs at the FTA is possible through ingestion of contaminated soils, dermal contact with contaminated soils, and inhalation of volatiles and fugitive dust released to the air. Although the primary routes of exposure for black-tailed jackrabbits (i.e., ingestion of contaminants taken up by plants and incidental ingestion of soil while foraging and from grooming activities) are not present at this site because of the lack of vegetation, the model was run to assess future environmental effects if the site were allowed to

revert to native vegetation. Ingestion of contaminated plants and soil were the only pathways quantified. Although other routes of exposure contribute to the risk, their contribution was judged to be minimal as compared with the risk from ingestion.

Risk Characterization

Risks to a nonhuman biological organism is presented in terms of the total EQ for that organism. An EQ of less than 1 indicates a low probability of effects, an EQ of 1.0 to 10 indicates that there is a possibility of adverse ecological effects, and an EQ over 10 indicates that it is probable that adverse ecological effects will occur (Watkin and Stelljes, 1993). The EQ for black-tailed jackrabbits at the FTA is 0.96. Although no vegetation is currently on site, if the site were allowed to revert to native vegetation there is a low probability of adverse ecological effects. Estimated plant uptake and EQs are presented in Tables A-13 and A-14.

Uncertainties

General uncertainties associated with the environmental evaluation methodology are presented in the *29 Sites RA* (Radian, 1992c).

Table A-13
Estimated Concentrations in Plants

AS A RESULT OF UPTAKE FROM CONTAMINATED GROUNDWATER

Environmental Evaluation for the FTA

Cp = (Cw)(UF)

where: Cp = concentration in plant from water uptake (mg/kg)

Cw = concentration in groundwater (mg/kg)

UF = uptake factor (mg/kg plant divided by mg/kg water)

Chemical	Cw (mg/kg)	UF (veg.) (mg/kg plant/ mg/kg water)	Cp (mg/kg)
1,1,1-Trichloroethane	1.00E-03	0.3182	3.18E-04
1,1,2,2-Tetrachloroethane	1.00E-03	0.354	3.54E-04
1,1-Dichloroethane	1.70E-02	1	1.70E-02
1,1-Dichloroethene	2.00E-03	1	2.00E-03
2,4-Dimethylphenol	1.30E-02	0.3401	4.42E-03
2-Methylnaphthalene	4.90E-02	0.05	2.45E-03
2-Methylphenol	1.40E-02	0.6358	8.90E-03
3-Methylphenol/4-Methylphenol	1.90E-02	0.6274	1.19E-02
4-Methyl-2-pentanone (MIBK)	4.70E-01	1	4.70E-01
Acetone	1.05E+00	1	1.05E+00
Acetophenone	2.00E-02	1	2.00E-02
Benzene	2.03E+00	0.5004	1.02E+00
Carbon disulfide	1.30E-02	0.4808	6.25E-03
Chloroform	2.00E-04	0.6191	1.24E-04
Diethylphthalate	4.00E-03	0.1658	6.63E-04
Ethylbenzene	8.25E-01	0.1287	1.06E-01
Methylene chloride	4.00E-02	1	4.00E-02
Naphthalene	9.90E-02	0.0961	9.51E-03
Pentachlorophenol	3.40E-02	0.0108	3.67E-04
Phenol	1.20E-02	1	1.20E-02
Toluene	3.00E-01	0.2375	7.13E-02
Total xylenes	5.80E-01	0.1112	6.45E-02
Trichloroethene	2.00E-02	0.2938	5.88E-03
bis(2-Chloroisopropyl)ether	9.00E-04	0.2749	2.47E-04
bis(2-Ethylhexyl)phthalate	8.00E-03	0.0074	5.92E-05

Table A-13
(Continued)

AS A RESULT OF UPTAKE FROM CONTAMINATED SOIL

Environmental Evaluation for the FTA

Cp = (Cs)(UF)

where: Cp = concentration in plant as a result of uptake from soil (mg/kg)

Cs = concentration in contaminated soil (mg/kg)

UF = uptake factor (mg/kg plant divided by mg/kg soil)

Chemical	Cs (mg/kg)	UF (veg.) (mg/kg plant/ mg/kg water)	Cp (mg/kg)
Surface Soil			
Arsenic	1.05E+01	0.0088	9.24E-02
Barium	2.27E+02	0.033	7.49E+00
Cadmium	3.44E-01	0.121	4.16E-02
Chromium	2.53E+01	0.0017	4.30E-02
Lead	1.98E+01	0.0099	1.96E-01
Selenium	2.27E+00	0.0055	1.25E-02
1,1,1-Trichloroethane	9.70E-02	0.3182	3.09E-02
2-Methylnaphthalene	1.19E+00	0.05	5.95E-02
3-Methylphenol/4-Methylphenol	2.16E-01	0.6274	1.36E-01
4-Methyl-2-pentanone (MIBK)	2.50E-02	1	2.50E-02
Acetone	1.75E-01	1	1.75E-01
Benzene	1.23E+00	0.5004	6.17E-01
Benzo(a)anthracene	4.80E-02	0.0049	2.35E-04
Benzo(a)pyrene	5.20E-02	0.003	1.56E-04
Benzo(b)fluoranthene	5.90E-02	0.0014	8.26E-05
Benzo(g,h,i)perylene	4.40E-02	0.0006	2.64E-05
Carbon disulfide	9.00E-03	0.4808	4.33E-03
Chloromethane	1.80E-02	1	1.80E-02
Chrysene	5.20E-02	0.0049	2.55E-04
Di-n-butylphthalate	3.00E-02	0.0084	2.52E-04
Ethylbenzene	1.34E+01	0.1287	1.72E+00
Fluoranthene	6.00E-02	0.0071	4.26E-04
Methylene chloride	4.80E-01	1	4.80E-01
Naphthalene	7.30E-01	0.0961	7.02E-02
Phenanthrene	7.30E-02	0.0225	1.64E-03
Pyrene	7.30E-02	0.0086	6.28E-04
Toluene	1.06E+01	0.2375	2.52E+00
Total xylenes	2.53E+01	0.1112	2.81E+00
Trichloroethene	1.30E-01	0.2938	3.82E-02
bis(2-Ethylhexyl)phthalate	3.94E-01	0.0074	2.91E-03

Table A-13
(Continued)

Chemical	Cs (mg/kg)	UF (veg.) (mg/kg plant/ mg/kg water)	Cp (mg/kg)
Subsurface Soil			
Barium	9.40E+01	0.003	2.82E-01
Chromium	1.38E+01	0.0017	2.35E-02
Lead	5.60E+00	0.0099	5.54E-02
Mercury	6.00E-03	0.198	1.19E-03
Selenium	2.70E+00	0.0055	1.49E-02
1,1,1-Trichloroethane	1.75E-01	0.3182	5.57E-02
2-Methylnaphthalene	1.40E+01	0.05	7.00E-01
4-Chloroaniline	1.04E+00	1	1.04E+00
4-Methyl-2-pentanone (MIBK)	2.00E-03	1	2.00E-03
Acetone	4.70E-01	1	4.70E-01
Benzene	2.00E+00	0.5004	1.00E+00
Carbon disulfide	5.00E-01	0.4808	2.40E-01
Chloromethane	3.90E-01	1	3.90E-01
Dibenzofuran	6.30E-01	0.0354	2.23E-02
Dibromomethane	1.50E-02	1	1.50E-02
Ethylbenzene	4.97E+01	0.1287	6.40E+00
Fluorene	4.00E-01	0.0318	1.27E-02
Methyl ethyl ketone (2-Butanone)	8.00E-01	1	8.00E-01
Methylene chloride	1.70E-01	1	1.70E-01
Naphthalene	4.56E+00	0.0961	4.38E-01
Phenanthrene	4.20E-01	0.0225	9.45E-03
Toluene	3.80E+01	0.2375	9.03E+00
Total xylenes	9.04E+01	0.1112	1.01E+01

Table A-14
Intake By *Lepus californicus* (As a Result of Plant and Soil Ingestion) and Ecological Risk Characterization for the FTA

IN = (B)[(FIf)(Cdr)(IRdr)+(Fif)(Csr)(IRsr)+(FIs)(Cs)(IRs)]/BW

where: IN = Intake of contaminants of potential concern (mg/kg-day)
B = Fraction of contaminant in feed which is bioavailable (unitless)
FIf = Fraction ingested of food (feed) from contaminanted source (unitless)
Cdr = Chemical concentration in deep-rooted plants (mg/kg)
Csr = Chemical concentration in shallow-rooted plants (mg/kg)
IRdr = Ingestion rate deep rooted plants (kg/day)
IRsr = Ingestion rate for shallow rooted plants (kg/day)
FIs = Fraction of soil ingested from contaminanted source (unitless)
Cs = Chemical concentration in soil (mg/kg)
IRs = Ingestion rate for soil (kg/day)
BW = 2.75 kg for black-tailed jackrabbit (Lepus californicus)

Chemical	B	FIf	Cdr (mg/kg)	IRdr (kg/day	FIf	Csr (mg/kg)	IRsr (kg/day	FIs	Cs (mg/kg)	IRs (kg/day)	IN (mg/kg-day)	NOAEL (mg/kg-	Ecologic Quotien
Surface Soil Contaminants													
Arsenic	1.0	1.0	0.00E+00	0.0091	1.0	9.24E-02	0.0819	1.0	1.05E+01	0.004	1.80E-02	7.00E-01	2.57E-02
Barium	1.0	1.0	0.00E+00	0.0091	1.0	7.49E+00	0.0819	1.0	2.27E+02	0.004	5.53E-01	7.00E-01	7.90E-01
Cadmium	1.0	1.0	0.00E+00	0.0091	1.0	4.16E-02	0.0819	1.0	3.44E-01	0.004	1.74E-03	3.00E-02	5.80E-02
Chromium	1.0	1.0	0.00E+00	0.0091	1.0	4.30E-02	0.0819	1.0	2.53E+01	0.004	3.81E-02	2.40E+00	1.59E-02
Lead	1.0	1.0	0.00E+00	0.0091	1.0	1.96E-01	0.0819	1.0	1.98E+01	0.004	3.46E-02	9.00E-01	3.85E-02
Selenium	1.0	1.0	0.00E+00	0.0091	1.0	1.25E-02	0.0819	1.0	2.27E+00	0.004	3.67E-03	3.16E+01	1.16E-04
1,1,1-Trichloroethane	1.0	1.0	0.00E+00	0.0091	1.0	3.09E-02	0.0819	1.0	9.70E-02	0.004	1.06E-03	1.50E+03	7.07E-07
2-Methylnaphthalene	1.0	1.0	0.00E+00	0.0091	1.0	5.95E-02	0.0819	1.0	1.19E+00	0.004	3.50E-03	2.70E+02	1.30E-05
3-Methylphenol/4-	1.0	1.0	0.00E+00	0.0091	1.0	1.36E-01	0.0819	1.0	2.16E-01	0.004	4.35E-03	5.00E+01	8.70E-05
4-Methyl-2-pentanone	1.0	1.0	0.00E+00	0.0091	1.0	2.50E-02	0.0819	1.0	2.50E-02	0.004	7.81E-04	3.47E+02	2.25E-06
Acetone	1.0	1.0	0.00E+00	0.0091	1.0	1.75E-01	0.0819	1.0	1.75E-01	0.004	5.47E-03	1.00E+02	5.47E-05
Benzene	1.0	1.0	0.00E+00	0.0091	1.0	6.17E-01	0.0819	1.0	1.23E+00	0.004	2.02E-02	1.00E+00	2.02E-02
Benzo(a)anthracene	1.0	1.0	0.00E+00	0.0091	1.0	2.35E-04	0.0819	1.0	4.80E-02	0.004	7.68E-05	1.30E+02	5.91E-07
Benzo(a)pyrene	1.0	1.0	0.00E+00	0.0091	1.0	1.56E-04	0.0819	1.0	5.20E-02	0.004	8.03E-05	1.30E+02	6.18E-07
Benzo(b)fluoranthene	1.0	1.0	0.00E+00	0.0091	1.0	8.26E-05	0.0819	1.0	5.90E-02	0.004	8.83E-05	1.30E+02	6.79E-07
Benzo(g,h,i)perylene	1.0	1.0	0.00E+00	0.0091	1.0	2.64E-05	0.0819	1.0	4.40E-02	0.004	6.48E-05	1.30E+02	4.98E-07

Table A-14
(Continued)

Chemical	B	FIf	Cdr (mg/kg)	IRdr (kg/day	FIf	Csr (mg/kg)	IRsr (kg/day	FIs	Cs (mg/kg)	IRs (kg/day)	IN (mg/kg-	NOAEL (mg/kg-day)	Ecologic Quotient
Surface Soil Contaminants (continued)													
Carbon disulfide	1.0	1.0	0.00E+00	0.0091	1.0	4.33E-03	0.0819	1.0	9.00E-03	0.004	1.42E-04	11	1.29E-05
Chloromethane	1.0	1.0	0.00E+00	0.0091	1.0	1.80E-02	0.0819	1.0	1.80E-02	0.004	5.62E-04	420	1.34E-06
Chrysene	1.0	1.0	0.00E+00	0.0091	1.0	2.55E-04	0.0819	1.0	5.20E-02	0.004	8.32E-05	130	6.40E-07
Di-n-butylphthalate	1.0	1.0	0.00E+00	0.0091	1.0	2.52E-04	0.0819	1.0	3.00E-02	0.004	5.11E-05	1330	3.85E-08
Ethylbenzene	1.0	1.0	0.00E+00	0.0091	1.0	1.72E+00	0.0819	1.0	1.34E+01	0.004	7.09E-02	97.1	7.30E-04
Fluoranthene	1.0	1.0	0.00E+00	0.0091	1.0	4.26E-04	0.0819	1.0	6.00E-02	0.004	1.00E-04	26.7	3.74E-06
Methylene chloride	1.0	1.0	0.00E+00	0.0091	1.0	4.80E-01	0.0819	1.0	4.80E-01	0.004	1.50E-02	5.85E+00	2.56E-03
Naphthalene	1.0	1.0	0.00E+00	0.0091	1.0	7.02E-02	0.0819	1.0	7.30E-01	0.004	3.15E-03	4.50E+02	7.00E-06
Phenanthrene	1.0	1.0	0.00E+00	0.0091	1.0	1.64E-03	0.0819	1.0	7.30E-02	0.004	1.55E-04	2.67E+01	5.81E-06
Pyrene	1.0	1.0	0.00E+00	0.0091	1.0	6.28E-04	0.0819	1.0	7.30E-02	0.004	1.25E-04	7.50E+01	1.67E-06
Toluene	1.0	1.0	0.00E+00	0.0091	1.0	2.52E+00	0.0819	1.0	1.06E+01	0.004	9.04E-02	2.23E+02	4.05E-04
Total xylenes	1.0	1.0	0.00E+00	0.0091	1.0	2.81E+00	0.0819	1.0	2.53E+01	0.004	1.21E-01	1.79E+02	6.74E-04
Trichloroethene	1.0	1.0	0.00E+00	0.0091	1.0	3.82E-02	0.0819	1.0	1.30E-01	0.004	1.33E-03	5.00E+01	2.65E-05
bis(2-Ethylhexyl)phthalate	1.0	1.0	0.00E+00	0.0091	1.0	2.91E-03	0.0819	1.0	3.94E-01	0.004	6.59E-04	2.00E+02	3.30E-06
Subsurface Soil Contaminants													
Barium	1.0	1.0	2.82E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	9.33E-04	7.00E-01	1.33E-03
Chromium	1.0	1.0	2.35E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	7.76E-05	2.40E+00	3.23E-05
Lead	1.0	1.0	5.54E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.83E-04	9.00E-01	2.04E-04
Mercury	1.0	1.0	1.19E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.93E-06	3.00E-03	1.31E-03
Selenium	1.0	1.0	1.49E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	4.91E-05	3.16E+01	1.56E-06
1,1,1-Trichloroethane	1.0	1.0	5.57E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.84E-04	1.50E+03	1.23E-07
2-Methylnaphthalene	1.0	1.0	7.00E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.32E-03	2.70E+02	8.58E-06
4-Chloroaniline	1.0	1.0	1.04E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.44E-03	1.25E+01	2.75E-04
4-Methyl-2-pentanone (MIBK)	1.0	1.0	2.00E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	6.62E-06	3.47E+02	1.91E-08
Acetone	1.0	1.0	4.70E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.56E-03	1.00E+02	1.56E-05

Table A-14
(Continued)

Chemical	B	FIf	Cdr (mg/kg)	IRdr (kg/day)	FIf	Csr (mg/kg)	IRsr (kg/day)	FIs	Cs (mg/kg)	IRs (kg/day)	IN (mg/kg-day)	NOAEL (mg/kg-day)	Ecological Quotient
Subsurface Soil Contaminants (continued)													
Benzene	1.0	1.0	1.00E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.31E-03	1.00E+00	3.31E-03
Carbon disulfide	1.0	1.0	2.40E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	7.96E-04	1.10E+01	7.23E-05
Chloromethane	1.0	1.0	3.90E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.29E-03	4.20E+02	3.07E-06
Dibenzofuran	1.0	1.0	2.23E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	7.38E-05	NA	
Dibromomethane	1.0	1.0	1.50E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	4.96E-05	NA	
Ethylbenzene	1.0	1.0	6.40E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.12E-02	9.71E+01	2.18E-04
Fluorene	1.0	1.0	1.27E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	4.21E-05	1.25E+02	
Methyl ethyl ketone	1.0	1.0	8.00E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.65E-03	1.73E+02	1.53E-05
Methylene chloride	1.0	1.0	1.70E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	5.63E-04	5.85E+00	9.62E-05
Naphthalene	1.0	1.0	4.38E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.45E-03	4.50E+02	3.22E-06
Phenanthrene	1.0	1.0	9.45E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.13E-05	2.67E+01	1.17E-06
Toluene	1.0	1.0	9.03E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.99E-02	2.23E+02	1.34E-04
Total xylenes	1.0	1.0	1.01E+01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.33E-02	1.79E+02	1.86E-04
Groundwater Contaminants													
1,1,1-Trichloroethane	1.0	1.0	3.18E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.05E-06	1.50E+03	7.02E-10
1,1,2,2-Tetrachloroethane	1.0	1.0	3.54E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.17E-06	3.20E+00	3.66E-07
1,1-Dichloroethane	1.0	1.0	1.70E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	5.63E-05	7.64E+02	7.36E-08
1,1-Dichloroethene	1.0	1.0	2.00E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	6.62E-06	1.00E+00	6.62E-06
2,4-Dimethylphenol	1.0	1.0	4.42E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.46E-05	5.00E+01	2.93E-07
2-Methylnaphthalene	1.0	1.0	2.45E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	8.11E-06	2.70E+02	3.00E-08
2-Methylphenol	1.0	1.0	8.90E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.95E-05	1.75E+02	1.68E-07
3-Methylphenol/4-Methylphenol	1.0	1.0	1.19E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.94E-05	5.00E+01	7.89E-07
4-Methyl-2-pentanone	1.0	1.0	4.70E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.56E-03	3.47E+02	4.48E-06
Acetone	1.0	1.0	1.05E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.47E-03	1.00E+02	3.47E-05

Table A-14
(Continued)

Chemical	B	FIf	Cdr (mg/kg)	IRdr (kg/day)	FIf	Csr (mg/kg)	IRsr (kg/day)	FIs	Cs (mg/kg)	IRs (kg/day)	IN (mg/kg-day)	NOAEL (mg/kg-day)	Ecological Quotient
Groundwater Contaminants (continued)													
Acetophenone	1.0	1.0	2.00E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	6.62E-05	1.36E+02	4.87E-07
Benzene	1.0	1.0	1.02E+00	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.36E-03	1.00E+00	3.36E-03
Carbon disulfide	1.0	1.0	6.25E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.07E-05	1.10E+01	1.88E-06
Chloroform	1.0	1.0	1.24E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	4.10E-07	2.60E+00	1.58E-07
Diethylphthalate	1.0	1.0	6.63E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.19E-06	7.50E+02	2.93E-09
Ethylbenzene	1.0	1.0	1.06E-01	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.51E-04	9.71E+01	3.62E-06
Methylene chloride	1.0	1.0	4.00E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.32E-04	5.85E+00	2.26E-05
Naphthalene	1.0	1.0	9.51E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.15E-05	4.50E+02	7.00E-08
Pentachlorophenol	1.0	1.0	3.67E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.22E-06	3.00E+00	4.05E-07
Phenol	1.0	1.0	1.20E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	3.97E-05	6.30E+02	6.30E-08
Toluene	1.0	1.0	7.13E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.36E-04	2.23E+02	1.06E-06
Total xylenes	1.0	1.0	6.45E-02	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	2.13E-04	1.79E+02	1.19E-06
Trichloroethene	1.0	1.0	5.88E-03	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.94E-05	5.00E+01	3.89E-07
bis(2-Chloroisopropyl)ether	1.0	1.0	2.47E-04	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	8.19E-07	3.58E+01	2.29E-08
bis(2-Ethylhexyl)phthalate	1.0	1.0	5.92E-05	0.0091	1.0	0.00E+00	0.0819	1.0	0.00E+00	0.004	1.96E-07	2.00E+02	9.79E-10
												Total EQ	**9.64E-01**

ATTACHMENT A-1

Statistical Determination of Chemicals of Potential Concern

A.1.1 INTRODUCTION

This attachment presents the results and methodology used to determine chemicals of potential concern (COPCs) used in the quantitative risk assessment conducted for the Fire Training Area (FTA) at Holloman Air Force Base (AFB). The FTA comprises solid waste management units (SWMUs) 39, 127, 135, 170, and 171. COPCs were identified using the approaches described in chap. 5 (Data Evaluation) of the *Risk Assessment Guidance for Superfund, Volume I Human Health Evaluation Manual* (Part A) (EPA, 1989) and the *Guidance for Data Useability in Risk Assessment* (EPA, 1992).

The COPCs were determined for both organic and inorganic analytes in three media: surface soils, subsurface soils, and groundwater. To determine COPCs, analytical data were compiled from two different sampling efforts: 1) Holloman AFB Table 1 Phase II Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), and 2) Holloman AFB Table 2 Phase I RFI (Radian, 1994a).

This attachment (A.1) is divided into five sections: 1) Section A.1.1 provides an introduction; 2) Section A.1.2 summarizes the criteria for determination of COPCs and presents the COPCs identified; 3) Section A.1.3 details the technical approach and statistical comparisons used in this determination; 4) Section A.1.4 presents the results of these calculations and discusses the summary tables and raw data that are included in the back of this attachment; and 5) Section A.1.5 presents the references used to prepare this attachment.

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A.1.2 SUMMARY OF COPC DETERMINATION PROCESS

COPCs represent chemicals that are positively identified as present in a source area and include those chemicals that are:

- Measured at concentrations elevated significantly above concentrations of the same chemicals measured in associated blank samples (i.e., chemicals for which >5% of the measurements exceeded the upper tolerance limit [UTL] for blanks); and
- Measured at concentrations elevated significantly above naturally occurring concentrations of the same chemicals.

COPCs were determined by using the statistical approach described in this attachment to focus the data analysis efforts on only those compounds that are of concern at the site. Chemicals that did not meet the conditions were eliminated as possible COPCs. The resulting list of COPCs were then evaluated further for risk to human health and the environment. The results of the risk assessment and ecological risk assessment are presented in Appendix A.

COPCs were identified using the principles described in U.S. Environmental Protection Agency (EPA) guidance documents (1989, 1992). Figure A.1-1 details the decision path used to determine COPCs for the site associated with the Holloman AFB Table 1 Phase II RFI (i.e., the FTA). Steps taken to determine COPCs included comparisons of site concentrations with blank concentrations and, for inorganic chemicals, comparisons with background concentrations. The approach shown in Figure A.1-1 differs from the historical application of procedures described in the EPA guidance documents in the following ways:

- Uncensored data were reported from the analytical laboratory when possible so that proxy concentrations did not need to be estimated for results reported as "not detected" [this is the preferred approach according to EPA (1991) and Gilbert (1987)]; and
- "Occurrence" (as used to calculate "frequencies of occurrence" or "frequencies of detection") was defined as a result exceeding the UTL for uncensored blank data as opposed to the normal usage of "occurrence" as results 5 times greater than the maximum blank detection (or 10 times the maximum blank detection for common laboratory contaminants).

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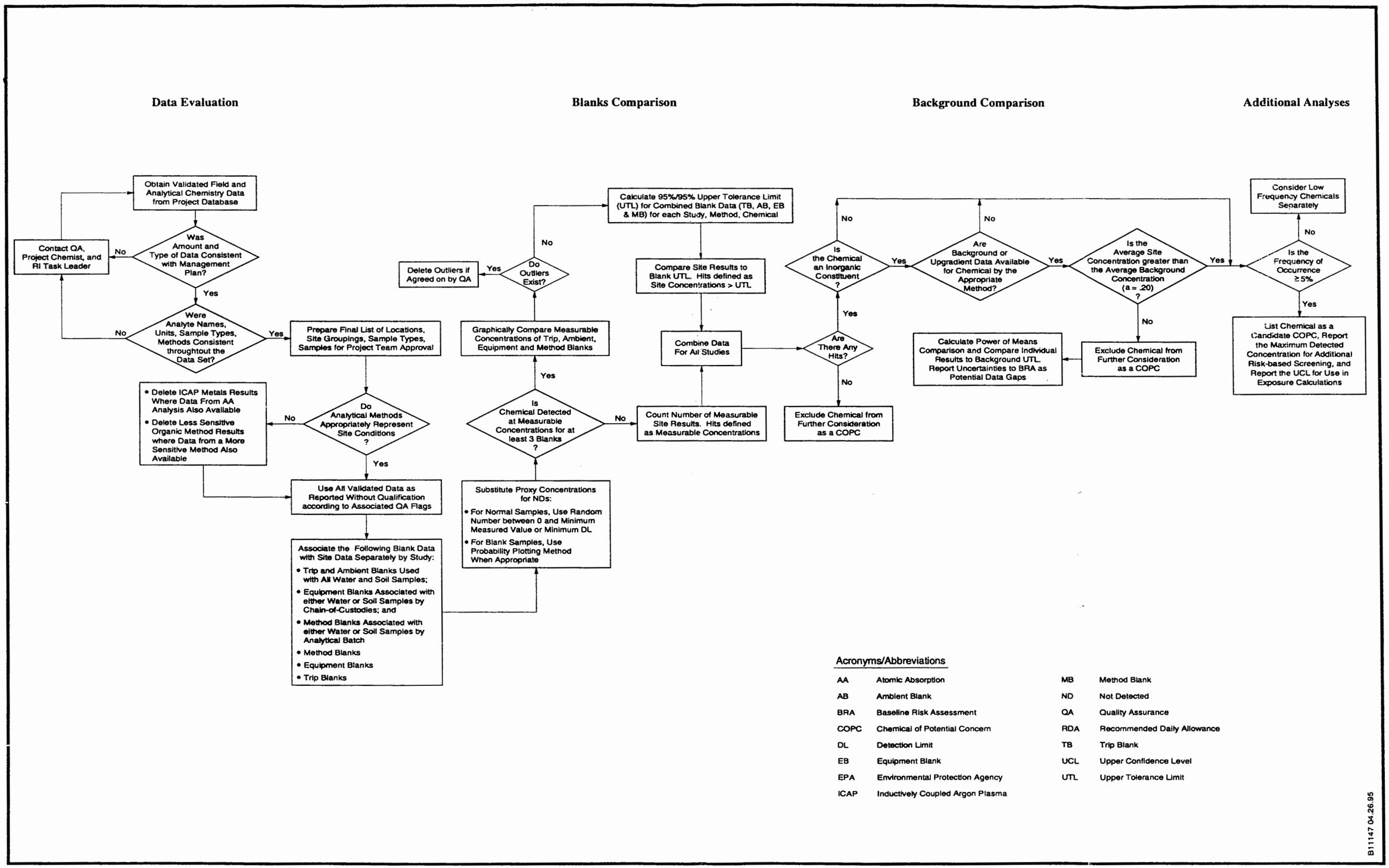


Figure A.1-1. Chemicals of Potential Concern Identification Process

These changes from historical applications allowed for a more technically justifiable determination of the COPCs without the potential for bias from arbitrary limits based on factors of a single measurement (e.g., the 5-times and 10-times rule for evaluating results relative to blank data). The justification for this approach is provided in this attachment.

Table A.1-1 presents the identified COPCs that were positively identified on the site. COPCs were determined separately for each media (surface soils, subsurface soils, and groundwater).

Table A.1-1
COPCs for the FTA

COPCs		
Surface Soils	**Subsurface Soils**	**Groundwater**
1,1,1-Trichloroethane	1,1,1-Trichloroethane	1,1-Dichloroethane
2-Methylnaphthalene	2-Methylnaphthalene	1,1-Dichloroethene
3-Methylphenol/4-Methylphenol	4-Chloroaniline	1,1,1-Trichloroethane
4-Methyl-2-pentanone (MIBK)	4-Methyl-2-pentanone (MIBK)	1,1,2,2-Tetrachloroethane
Acetone	Acetone	2-Methylnaphthalene
Arsenic	Barium	2-Methylphenol
Barium	Benzene	2,4-Dimethylphenol
Benzene	Carbon disulfide	3-Methylphenol/4-Methylphenol
Benzo(a)anthracene	Chloromethane	4-Methyl-2-pentanone (MIBK)
Benzo(a)pyrene	Chromium	Acetone
Benzo(b)fluoranthene	Dibenzofuran	Acetophenone
Benzo(g,h,i)perylene	Dibromomethane	Benzene
Cadmium	Ethylbenzene	bis(2-Chloroisopropyl)ether
Carbon disulfide	Fluorene	bis(2-Ethylhexyl)phthalate
Chloromethane	Hydrocarbons	Carbon disulfide
Chromium	Lead	Chloroform
Chrysne	Mercury	Diethylphthalate
Di-n-butylphthalate	Methyl ethyl ketone (2-Butanone)	Ethylbenzene
Ethylbenzene	Methylene chloride	Methylene chloride
Fluoranthene	Naphthalene	Naphthalene
Hydrocarbons	Phenanthrene	Pentachlorophenol
Lead	Selenium	Phenol
Methylene chloride	Toluene	Toluene
Naphthalene	Total xylenes	Total xylenes
Phenanthrene		Trichloroethene
Pyrene		
Selenium		
Silver		
Toluene		
Total xylenes		
Trichloroethene		
bis(2-Ethylhexyl)phthalate		

A.1.3 TECHNICAL APPROACH

The technical approach discussed in this section addresses how COPCs were determined for the FTA. This approach follows the *Risk Assessment Guidance for Superfund, Volume I Human Health Evaluation Manual* (EPA, 1989). The evaluation process to determine COPCs for the risk assessment is detailed in Figure A.1-1 and includes the following tasks outlined in the EPA guidance:

- Review raw data for representativeness;
- Review blank data;
- Compare site results with blank data and calculate frequency of occurrence for site chemicals (i.e., determine whether site concentrations can be distinguished from blank results using standard sampling and analytical methods);
- Perform comparisons between site and background concentrations for naturally occurring chemicals (i.e., inorganic chemicals); and
- Calculate summary statistics for COPCs.

Each of these tasks are described in the following subsections.

A.1.3.1 Review of Available Raw Data for Representativeness

The first step in the COPC identification process is to review the available raw data for applicability. EPA (1989) states that all available data should be used to determine COPCs if the data are of sufficient and comparable quality and are representative of site conditions. According to EPA guidance, this data review process must include an evaluation of the following areas:

- Data available from historical site investigations;
- Analytical methods;
- Quantitation limits;
- Data qualifiers; and
- Tentatively identified compounds (TICs).

Each of these steps in the data review process is addressed below.

Review of Data Available from Historical Site Investigations

For the FTA, data are available from two different sources: the Holloman AFB Table 1 Phase II RFI and the Holloman AFB Table 2 Phase I RFI.

The data from these two sources were collected during different time periods by different sampling teams. The Holloman AFB Table 1 Phase II RFI data were collected during the fall of 1994. The Holloman AFB Table 2 RFI data were collected during the summer of 1993. The quality assessment/quality control (QA/QC) procedures followed for each of these data collection efforts are discussed in their respective quality control reports (Radian, 1995, 1994b).

EPA guidance (1992) specifies that data collected from a site at different time periods by different sampling teams can be combined if they meet the following conditions: 1) the methods used to analyze samples from different time periods and sampling teams be similar in terms of types of analyses conducted and the QA/QC procedures followed, and 2) the concentrations between sampling periods be similar. These conditions did apply to the two data sources used in this study, but since analytical practices may have differed between the sources (different labs and time periods), UTLs for blanks for any given analyte and analytical method were first determined separately for each data source. Chemical concentrations from a given data source were then compared with the respective blank UTLs from that source. The proportion of measurements that exceeded the UTL for blanks for a given analyte was determined simply as the ratio of the sum of measurements exceeding the respective UTLs from each source divided by the total number of measurements for that chemical, regardless of source. Thus, the integrity of the normal/blank sample relationship was preserved for each data source, but all available data were used.

Metals background data for soils and groundwater were obtained from the *Base-Wide Background Study—Sewage Lagoons and Lakes Investigation, Holloman Air Force Base* (Radian, 1993), which presents background data collected during the spring of 1993.

Analytical Methods

An examination of the analytical methods used to evaluate the data for this investigation was an important part of the data review process. It focused on ensuring that the analytical methods used were

appropriate for the analytes of interest (e.g., chemicals known to have been used at the SWMUs). The approved sampling and analysis plan was implemented successfully and data were generated using the planned analytical methods. A detailed evaluation of the analytical methods used during this investigation is presented in the *Sampling and Quality Control Summary Report (SQCSR) for Table 1 Phase II, Holloman Air Force Base* (Radian, 1995). The data collected for the Holloman AFB Table 2 Phase I RFI study went through the same type of QA review (Radian, 1994b).

After combining data from the two sources, some chemicals were found to have been analyzed using two different analytical methods. In these cases, data analysis was performed separately for each chemical and analytical method. The only exception to this was for arsenic and selenium. In the Holloman AFB background study (Radian, 1993), arsenic and selenium in soils were analyzed using Method SW6010. During the Holloman AFB Table 1 Phase II RFI , they were analyzed using Methods SW7060 and SW7740, respectively. When doing a comparison between site and background results, arsenic by SW7060 was compared with arsenic by SW6010, and selenium by SW7740 was compared with selenium by SW6010.

If a chemical was shown to be a COPC by a single analytical method, then only data from that analytical method were used to determine summary statistics for the risk assessment. If a chemical was shown to be a COPC by multiple analytical methods, then only results from the analytical method deemed most representative (e.g., lower detection limit) were used to determine summary statistics for the risk assessment. For inorganic analytes, results from the graphite furnace methods were chosen over results from the inductively coupled plasma emission spectroscopy method because graphite furnace spectroscopy is subject to fewer interferences and can generally detect lower concentrations. For organic analytes, measurements from Methods SW8015MP and SW8020 were chosen over Methods SW8240 and SW8270 because these methods are more sensitive and able to achieve lower detection limits.

Quantitation Limits

The third step in the data review, as specified in EPA (1989), involves the evaluation of "quantitation limits" for all of the chemicals assessed at the site. This analysis sometimes leads to the use of "proxy" (or estimated) concentrations for values reported as not detected and/or the elimination of certain chemicals from further consideration (because they are believed to be absent from the site).

The SQCSR (Radian, 1995) gives quantitation limits or reporting limits (RLs) specific to each sample collected during this study. The sample RLs take into account sample characteristics (e.g., matrix, dry weight) and analytical dilutions. RLs represent the lower bound of the normal working range for a particular method, and in this sense are conceptually similar to method quantitation limits.

Although RLs are available for the statistical assessment, they were not used by the analytical laboratory to censor data prior to the statistical analyses performed for this investigation. "Uncensored" data were requested from the laboratories for all sample and blank results. Uncensored data are measurements for which the results are reported "as measured" by the analytical instrument. The results are obtained using standard analytical and data reporting techniques, except that results below the RL are not discarded or reported as not detected. Thus, numerical results are available for a larger proportion of the sample measurements. "Censoring," although often used for a variety of reporting needs (e.g., censoring all results below a health-based criteria and reporting "< Health Limit"), complicates statistical analysis and interpretation by removing information about measurement variability. Censoring also necessitates the use of proxy concentrations for results reported as not detected so that a numerical estimate is available for each result. A more representative approach is to use the uncensored data generated by the analytical laboratory and prevent the need for proxy concentrations (EPA, 1992; Gilbert, 1987). Although these measurements below the RL may not indicate the presence and/or concentration of target analytes as reliably as do measurements above the RL, the uncensored measurement is a better estimate of the concentration than is any proxy concentration and will allow a better characterization of site conditions by data users and decision makers. Both approaches (i.e., use of proxies, use of uncensord data) are acceptable according to the EPA guidance documents (1989, 1992).

Uncensored data were used as reported for much of the inorganics and organic analyses performed. This approach includes the use of negative results when they were reported for inorganic constituents. The use of negative results is appropriate and justifiable and has been recommended by numerous authorities for this type of application (see, e.g., ASTM D-4210-83). The use of negative measurements is technically appropriate for all methods but is more common for inorganic methods. As the true concentration approaches zero, measurement variability causes the range of possible measurements to include negative results. As shown in the example in ASTM D 4210-83, exclusion or censoring of these negative measurements would bias any summary statistics (e.g., the average or mean) and thus provide a

biased estimated of site conditions. Therefore, all uncensored measurements (i.e., positive and negative) were used as reported in the statistical determination of COPCs.

For some of the organic and inorganic analytes, the data are automatically censored by the laboratory even when uncensored data are requested. This happens for those methods that use electronic filtering mechanisms to eliminate signals below a specified threshold (e.g., peak height, peak width, area reject). Thus, for these methods, results included data that were above the quantitation limit, "J" flagged data (reported results less than a quantitation limit), and "NDs" (where an ND indicated "no signal greater than the established threshold," *not* that the measurement was less than an RL). Because there is usually a positive concentration related to the signal threshold (i.e., ND does not mean zero concentration), proxy concentrations *were* estimated for uncensored data reported as NDs.

There are a number of ways for estimating proxy concentrations (e.g., substituting one-half the detection limit, substituting a uniform random number between zero and the RL). It is noted that the data had J-flagged results (i.e., results lower than the reporting limit); thus, using a number between 0 and the RL would provide an overly conservative estimate of NDs since it is known that the instrument can detect results down to the minimum J-flagged result. Even when the data were censored, it was believed that using a random number between 0 and the minimum result for the combined data sets still provided the best approach, since the RLs were, in some cases, orders of magnitude higher than the maximum detected results. In these cases, using a number between 0 and the RL would result in means and upper confidence levels (UCLs) that were higher than the maximum-detected result for the combined data set.

The approach used for estimating NDs is consistent with EPA (1989), which allows for excluding an ND record from the data set if using one-half the RL for NDs results in UCLs that are larger than the maximum detected result. The ND record was not excluded, but the ND was estimated with a more reasonable proxy concentration (i.e., a random number between 0 and the minimum detected result, instead of one-half the RL).

Qualified or Coded Data

The fourth step in the data review process involves a review of data qualifiers or codes reported with the analytical results so that uncertainties can be identified and evaluated. All data that were

validated during the QA/QC process were used to determine COPCs, and includes some data with qualifiers that indicate known identities but uncertain concentrations. Complete descriptions of the laboratory qualifier codes associated with the data from this study are given in the SQCSR report (Radian, 1995).

Tentatively Identified Compounds

The last step in the data review process is an evaluation of TICs. The mass spectral analysis of samples for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) results in the identification and quantitation of compounds given in the target compounds list (TCL). Sometimes the mass spectra indicate the presence of additional organic compounds that are not on the TCL. These spectra are compared with library spectra, and the compounds are considered TICs. The assigned identity and reported concentrations of TICs are uncertain because they are not based on direct comparison with calibration standards containing the compound, as is the case for TCL compounds. EPA (1989) states that TICs should be included in the risk assessment unless information exists to indicate that the TICs are not present at the site or unless the reported TICs do not have any associated toxicity values and therefore cannot be evaluated in the risk assessment. No TICs were reported for the Table 1 Phase II RFI data or the Table 2 Phase I RFI data.

A.1.3.2 Review of Blank Data

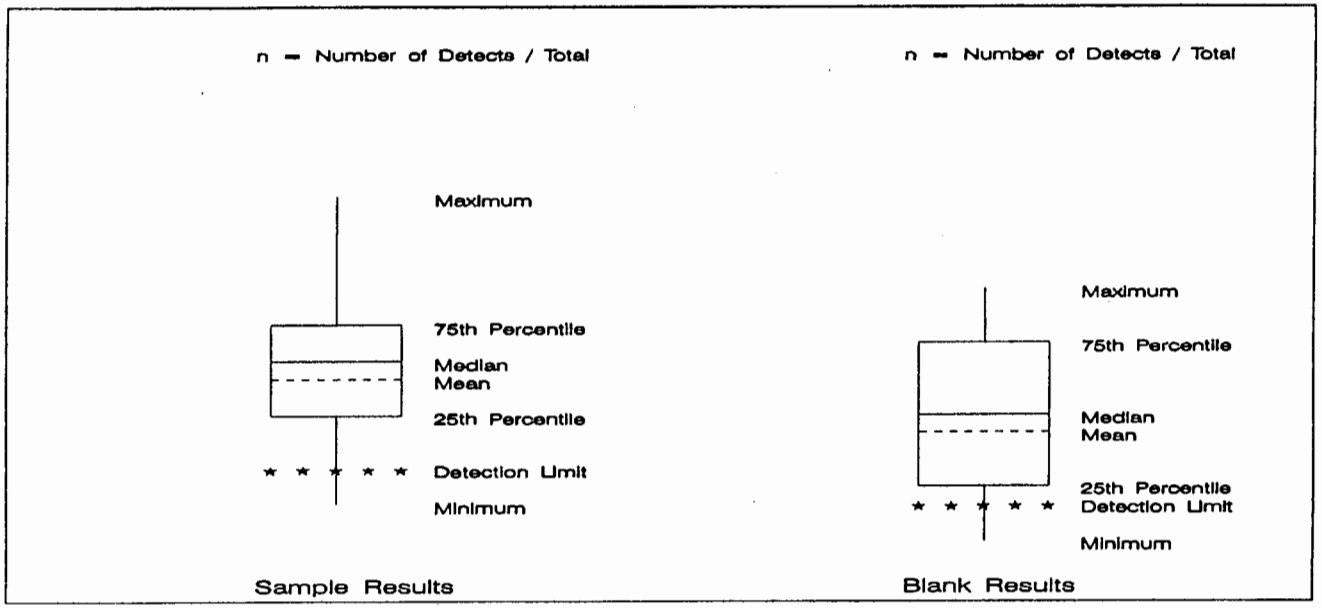
According to EPA (1989) in determining COPCs, the blank data should be reviewed to determine whether site results are due to a source other than historical site activities (e.g., sampling or laboratory contamination). Field and laboratory blanks are included in the analytical program to provide an indication of the potential introduction of contaminants into samples during sample collection or analyses. EPA guidance (both Contract Laboratory Program and risk assessment guidance) suggests that any site concentration greater than five times the maximum blank result for that analyte should be considered a positive identification and be included in the risk assessment. For common laboratory contaminants (CLCs), such as acetone, methyl methyl ketone, methylene chloride, toluene, and the phthalate esters, EPA recommends that site concentrations greater than 10 times the maximum blank result should be considered a positive identification and be included in the risk assessment. The approach described in this report and used to determine positive occurrences or frequencies of occurrence deviates from that suggested in EPA guidance.

Blank results can be used to evaluate the "noise" in the analytical system to verify whether or not site concentrations were in fact greater than the analytical noise. Blank results for this study are evaluated in terms of UTLs which are used to identify upper extremes of possible measurement results when there is not site contribution of the target analyte. A site result greater than the UTL for the blanks was considered a positive occurrence for that chemical. The approach used is considered a more justifiable approach than the 5- and 10-times rule because it is a more accurate assessment of whether a measurement is a part of analytical noise or is instead representative of site conditions. The intent of the 5- and 10-times rule (EPA, 1989) guidance is to identify results that can be distinguished from analytical noise and those that cannot. The calculated UTLs for blank results accomplish this objective, since they are probabilistic upper limits for the blank concentrations for a specific analyte.

Before calculating UTLs, the blank data were evaluated to determine whether there were any extremely high or outlying data that would indicate unusual contamination events. Box plots of the data were generated for each matrix (groundwater and soils) and analyte for the different types of blank data. Box plots are useful graphical tools for comparing the central tendency and dispersion of data distributions. An example of the box plot used for this analysis is presented in Figure A.1-2. This figure presents plots for two cases: 1) where the source data are indistinguishable from blank data, and, 2) where the source area data appear different from blank data. Each box plot is annotated to describe the summary statistics shown in the plot. The bottom and top of the box are the 25th and 75th percentiles of the data, respectively. The bottom and the top of the vertical lines extending from the box plot are the minimum and maximum of the data, respectively. The solid horizontal line contained within the box is the median (the 50th percentile), and the dashed horizontal line is the mean. The sample size is also identified at the top of each box plot. Finally, horizontal stars indicating the median reported RL are overlaid on the box plots.

These box plots show that, in general, for a given analyte, there were no apparent differences between the distributions of results for different blank types. Thus the different types of blank samples were pooled for each matrix and analyte. Values that were statistical outliers or that were judged during the QA/QC evaluation to be potentially biased high were flagged, but included in the calculation of the UTLs for blanks. UTLs for the blank samples were calculated for these pooled blank data sets.

Where Samples are Not Distinguishable from Blanks



Where Samples are Distinguishable from Blanks

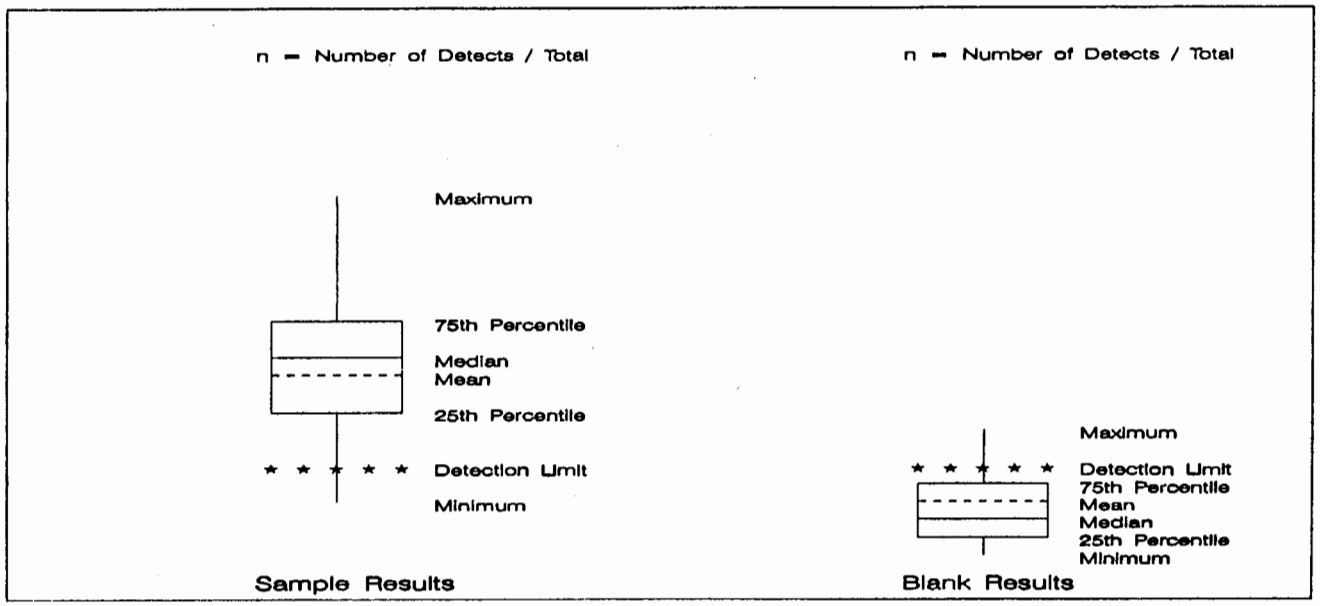


Figure A.1-2. Example Box Plots

The method of calculating the UTL depended on whether or not the distribution of blank results was normal. This was tested with the Shapiro-Wilk W test (Gilbert, 1987). If the data set did appear to be normally distributed, the normal UTL was calculated using the following equation:

$$UTL = \bar{x} + (K \times s),$$

where $\bar{x}$ is the estimated sample mean, K is the tolerance factor, and s is the estimated standard deviation. Normal UTLs were calculated for a coverage of 95% (i.e., the 95th percentile) with 95% confidence.

For blank data sets that were not normally distributed, nonparametric UTLs were calculated. The nonparametric UTL is simply the maximum blank concentration. However, the coverage for nonparametric UTLs is a function of the sample size and was often less than the coverage of 95% used for the normal UTLs.

A.1.3.3 Frequencies of Occurrence for Site Data

Site data were then compared to the blank data to determine the potential for false-positive measurements because of laboratory or field contamination and to determine whether target analytes occur frequently enough to pose a risk to human health or the environment.

Frequencies of occurrence were calculated for each analyte, in which a positive occurrence was any result greater than the UTL for the blanks. According to EPA (1989), analytes may be considered as candidates for elimination from a quantitative risk assessment if they are infrequently detected and there is reason to believe the detection is not due to site operations or disposal practices. For this study, it was agreed that a detection frequency limit of 5% would be used. Analytes with positive occurrences less than 5% were considered separately on the basis of detected results and applicable screening levels. Organic analytes with frequencies of occurrence greater than or equal to 5% for the FTA in any media were considered COPCs in the risk assessment for the FTA and media. Inorganic analytes were evaluated further by comparing measured results at the site to background concentrations, as discussed in the next section.

A.1.3.4 Comparison of Inorganic Site Concentrations with Naturally Occurring Background Levels

The next step in determiing the COPCs for this investigation was to compare concentrations for naturally occurring chemicals with background levels. For inorganic soil chemicals, comparisons were performed between site concentrations and naturally occurring background levels. Background data were obtained from the Holloman Base-Wide Background Study (Radian, 1993).

Two types of statistical comparisons were performed between site and background concentrations to determine whether there was any evidence of metals contamination on the site: means comparisons and individual comparisons. Statistical means comparisons were used to determine whether or not chemicals would be considered COPCs. Individual comparisons were used to evaluate the data further.

Characterization of Background Data

Background concentrations for soil and groundwater metals represent concentrations that are indigenous to Holloman AFB and not affected by activities occurring there. This subsection discusses the background data that were used for each of these matrices as well as the calculation of UTLs for background.

Results of a Base-wide background sampling investigation conducted at Holloman AFB are reported in Radian (1993). In this report, background concentrations were characterized for both total and dissolved groundwater metals and soil metals ranging from depths of 0 to 7 ft. Background soils were not divided into surface and subsurface groups because, during the background investigation, concentrations were found to be fairly homogenous for different depths.

All of the background data used, except for lead in soils, were obtained from the Holloman Base-Wide Background Study (Radian, 1993). Concentrations for background lead in soils reported in the Radian (1992) were used instead of those reported in the Base-Wide Background Study. This was because lead was analyzed by Method SW7421 in the 29 Sites RI but by Method SW6010 in the Base-Wide Background Study. Since Method SW7421 for lead was also used for the Table 1 Phase II RFI, the method provided data sets that would be more comparable in terms of the analytical methods used.

Means and Individuals Comparisons of Inorganic Site Concentrations to Background

Two types of statistical analyses were used to compare inorganic results from site areas to background areas. Tests of central tendency (e.g., means comparisons) were used to determine whether, on the average, concentrations of metals in the source areas were greater than background concentrations (as reported in Radian, 1993). This comparison was used to determine whether or not the inorganic chemicals would be considered COPCs. Additionally, individual source area results were compared with UTLs. These comparisons were used to determine whether individual sample results indicated the presence of isolated areas of elevated concentrations.

The applicability of tests of individual comparisons and tests of central tendency is discussed in the first subsection below. This discussion is provided as an explanation of the use of both methods to determine whether metals concentrations in source areas exceed those of background. The second subsection below gives a discussion of the statistical methods used to perform the means and individuals comparisons. Results of these statistical comparisons are provided in Section A.1.4 of this attachment.

Description of Tests of Means and Individuals Comparisons

Two types of statistical comparisons may be used to compare results from different sample populations. Means comparisons may be used to compare the average background concentration with a corresponding average concentration for a site of interest (e.g., downgradient monitoring wells). Additionally, individual results from each of the wells may be compared to the background UTLs.

Means comparisons (e.g., the Student's t-Test, the Wilcoxon test, analyses of variance [ANOVAs]) are the preferred approach to testing whether or not measurement results indicate a difference between two or more "sample populations" of interest. In this risk assessment, as in other similar studies, the two sample populations are background and site. Since these statistical concepts are more readily understood with examples, the following discussion will use the comparisons for groundwater as an example assessment to which these concepts may be applied. Conceptually, a means comparison tests the measurement results to determine the likelihood that they actually came from a single parent population, rather than from two different populations. (A Student's t-Test is a statistical test that can be performed when comparing *two* sample populations. An ANOVA is a statistical test that can be performed when comparing *multiple* sample

populations.) It is assumed that there is no difference between the two populations (i.e., that downgradient is not different from background) as long as the observed difference between their averages is within the range that could be attributed to chance.

The amount of difference attributable to chance in a means comparison is a function of variability in the sample data and the number of sample results available. The difference attributable to chance reflects the uncertainty in the statistical test and becomes smaller as the sample size increases. It also becomes smaller as the variability among results within each of the two populations decreases. The uncertainty resulting from sample size and variability directly affects what is known as the *power* of the statistical comparison. The power of a statistical comparison is the probability of detecting a given difference at a specified confidence level. As the power increases, it becomes possible to detect smaller and smaller differences between the true population means. Thus, with increased power there is less risk of failing to detect a difference that actually exists (false negative). This should not be confused with the confidence level of the test, which is related to the probability of erroneously concluding that a difference exists between the population means, when in fact the population means are not different (false positive). As the confidence level increases, the probability of incorrectly indicating a difference decreases.

The comparison of individual results to UTLs of a given population is another way of testing the difference between two sample populations. The UTL used in these comparisons represents an estimate of the upper 95th percentile (i.e., a coverage of 95%) with 95% confidence of the true background concentration of the analyte of interest. For data that are not normally distributed, the coverage may be $\leq$ 95% (a 95% coverage may not be achievable given the limitation of the statistical methods used for the nonnormal case) and the confidence level is 95%. Thus, there is a relatively small chance, on the order of 1 in 20, of a sample of uncontaminated groundwater (i.e., groundwater that is no different from background) having a metal concentration greater than the UTL. When individual sample results are compared to UTLs, they are interpreted to indicate the presence of contamination when they exceed the UTLs. On the other hand, samples are considered to be not different from background as long as they do not exceed the UTL.

In most cases, means comparisons offer significant advantages over comparisons using individual results compared to UTLs. However, both types of comparisons are useful and they provide different information about the data and the parent populations. Means comparisons offer greater statistical power than comparisons based on the UTL. Thus, means comparisons can detect smaller differences between

two populations and are less likely to fail to detect a difference that actually exists. Comparisons using individual results compared to UTLs are less sensitive and more likely to fail to detect contamination because of the inherent uncertainty in individual measurements. Much of this uncertainty is attributable to random measurement error, which is effectively "averaged out" in means comparisons where multiple results are considered together as a set.

The strength of means comparisons, however, can also be their weakness. Although random measurement errors are averaged out in the calculation of a sample mean, nonrandom effects can be diluted and overlooked. For example, four monitor wells might be grouped together on the basis of available hydrogeologic information. Whereas comparing average results for the four wells offers more power, it is important not to overlook cases in which results from one member of the initial group stand out as appreciably different from the others. When this occurs, comparison of this single anomalous result to the UTL allows it to be evaluated separately and, for example, to decide whether the initial well grouping should be reconsidered. Comparisons based on the UTL are also useful when there is only one result available for comparison. However, if a conclusion is drawn that a downgradient well is not different from background based on a single downgradient result, it must be acknowledged that there is a significant risk that there actually is a difference that was not detected simply because of the paucity of downgradient data.

Statistical Methods

As discussed in the previous section, tests of central tendency provide a good indication of whether or not the overall distribution of site concentrations and background concentrations differ significantly. Thus, results from the tests of central tendency were used to determine whether or not an inorganic was a COPC for this study. Results from the individual comparisons were used to provide additional information on the site to background comparisons and to help in evaluating the power of the test. Tests of central tendency and individuals comparisons are performed to answer two different questions, and thus the results of the two tests may differ. For example, the means comparison may show that there is no statistically significant difference between the site and background soil concentrations, on the average, whereas there may be one or two individual results that are greater than the UTL for background. This may indicate that, as a whole, the site is not different from background, but that there may be localized areas of elevated concentrations on the site. In such a case, further subdivisions of the area may be considered.

For the soil and groundwater data, the site and background data sets were evaluated with the Shapiro-Wilk test (Shapiro and Wilk, 1965) to determine whether the data sets were normally distributed. Conclusions of the Shapiro-Wilk test were used to determine an appropriate method for comparing potential source area results to background results. An alpha level of 0.05 was used to determine significance for the test of normality. The parametric Student's t-test (Proc t-test, SAS/Stat, 1989) was used to compare central tendencies (i.e., compare means) if results of both site and background data sets were normally distributed. The nonparametric Wilcoxon Rank-sum Test (Proc npar1way, SAS/Stat, 1989) was used to compare central tendencies if results of either site or background data sets were not normally distributed. The latter test compares the central tendency of the distributions of results by comparing the rank mean value for the source area to the background rank mean value. This is obtained by first combining the source area and background data sets for an analyte. The complete set of concentrations are then ordered. The rank of a value is its position (lowest = 1, second lowest = 2, etc.) in the combined data set. The average rank for the values corresponding to the background data can then be compared to the average rank for the source area. If the second is measurably larger than the first according to the nonparametric test, then one would conclude that concentrations tend to be higher in the source area than in the background area. Thus, the comparison can be made of the ranks of the data and it is not necessary for the background and source area results to follow the same distribution (as is the case for parametric procedures). An alpha level of 0.20 was used to determine significance for all tests of central tendency. Individual results from the source areas were compared with the UTLs given in the previous section that were calculated using the appropriate parametric or nonparametric method. This approach is drawn from EPA's (1992) RCRA guidance for statistical analyses in groundwater monitoring and is applicable to the situation described in this attachment.

A.1.3.5 Calculate Summary Statistics for COPCs

The next step in the data analysis process was to calculate summary statistics for those analytes determined to be COPCs. As stated previously, data evaluated for the quantitative risk assessment of the FTA were combined from two sources (i.e., Holloman AFB Table 1 Phase II RFI data and Holloman AFB Table 2 Phase I RFI data). In this case, data were combined from each of these sources before calculating summary statistics for the risk assessment. Measurements for nondetect results were estimated by substituting uniform random numbers between 0 and the minimum result for each media, analytical method, and analyte. Average site concentrations and the 95% UCL for the average were calculated for the FTA COPCs. These summary statistics were used to perform further screening of the COPCs as well as to conduct the risk assessment.

A.1.4 RESULTS

This section presents the results of the data analyses performed to determine the COPCs at the FTA. Results are presented for each of the following steps in the COPC determination process:

- Review blank data and determine UTLs for blank concentrations separately for the Holloman AFB Table 1 Phase II RFI data and the Holloman AFB Table 2 Phase I RFI data;
- Compare site results to blank data for each data source, and calculate a combined frequency of occurrence for site chemicals for all of the data; and
- Perform comparisons between site and background concentrations for naturally occurring chemicals (i.e., inorganic chemicals).

Additionally, the summary statistics calculated for the COPCs are presented.

A.1.4.1 Review of Blank Data

Box plots showing the blank data for each analyte are given in the SQCSR (Radian, 1995) for the Table 1 Phase II RFI and in the *Informal Technical Information Report* (ITIR) (Radian, 1994b) for the Table 2 Phase I RFI. Box plots are given for groundwater and soils data. All blank data reported were used to estimate UTLs to represent the upper limit of measurements expected for the blank population. The SQCSR and ITIR contain discussions of the validity of the blank results and associated site results.

A.1.4.2 Frequencies of Occurrence for Site Data

The UTL for blanks for every analyte was calculated for each of the matrices. The frequency of occurrence was then calculated. This involved a combined data set from two sources as discussed previously; results are given in Attachment A.1.1. Tables A.1.1-1 and A.1.1-2 in Attachment A.1.1 present the results for the quantitative risk assessment for groundwater and soil, respectively. (Chemicals that had no measureable concentrations are not presented in these tables.)

In addition to the blank UTLs and the calculated frequencies of occurrence, these tables show the number of samples collected from each SWMU and the range of site results (minimum and maximum). The tables also show whether or not a chemical was included as a COPC and a footnote describing the reason the chemical was or was not listed as a COPC.

A.1.4.3 Comparison of Inorganic Site Concentrations to Naturally Occurring Background Levels

As discussed in Section A.1.3.4, the COPC determination process compares concentrations of naturally occurring chemicals to background concentrations to determine whether there is any evidence of metals contamination at the site. This section discusses the background data that were used for these comparisons and gives the results of these comparisons.

Characterization of Background Data

Table A.1-2 presents the summary statistics (e.g., minimum, maximum, mean) for the soils background data. In addition to summary statistics, Table A.1-2 also shows the number of samples collected and gives information on the UTLs that were calculated for background. (The UTLs for background should not be confused with the UTLs for blanks. Although both sets of UTLs were calculated using the same methods, they represent different things. The *blank* UTL was used to determine frequencies of occurrence for site concentrations. The *background* UTL was used for the metals comparisons of site to background concentrations.) The type of UTL calculated for (normal or nonparametric) and the coverage for the UTL are also given in the tables.

Table A.1-2 presents only those metals for which site data existed. A complete list of summary statistics for all of the background metals can be found in the Holloman Base-Wide Background Study (Radian, 1993).

Table A.1-2
Summary Statistics for Background Soils*

Analyte	Analytical Method	Summary Statistics (mg/kg)							Upper Tolerance Limit[a]		
		N	Minimum	Maximum	Median	Mean	Standard Deviation	95% UCL for Mean	Tolerance Type	Coverage (%)	Upper Tolerance Limit (mg/kg)
Arsenic	SW6010	60	-9.212	8.238	0.152	0.116	3.355	0.840	Normal	95.0	6.883
Barium	SW6010	9	14.000	65.000	30.000	35.778	16.029	45.714	Normal	95.0	84.363
Cadmium	SW6010	58	-0.376	0.560	0.004	0.015	0.197	0.058	NP	95.0	0.560
Chromium	SW6010	9	0.360	4.800	2.200	2.340	1.407	3.212	Normal	95.0	6.605
Lead	SW7421	7	1.100	8.000	2.100	2.686	2.402	4.450	NP	65.2	8.000
Mercury	SW7471	37	-0.064	-0.008	-0.025	-0.027	0.012	-0.024	Normal	95.0	-0.001
Selenium	SW6010	62	-12.000	12.910	-0.965	-0.461	5.468	0.699	Normal	95.0	10.531
Silver	SW6010	59	-1.513	1.156	-0.180	-0.201	0.463	-0.100	Normal	95.0	0.734

**Base-Wise Background Study—Sewage Lagoons and Lakes Investigation* (Radian, 1993).
UCL = One-sided 95% upper confidence limit for the mean.
NP = Nonparametric upper tolerance limit.
[a]Uncensored data used to calculate summary statistics and upper tolerance limits.

Means and Individuals Comparisons of Inorganic Site Concentrations to Background

Results of the means and individuals comparisons for soils are given in Table A.1.1-3 of Attachment A.1.1. This table shows the p-values for the tests of central tendency, the conclusion (S = statistically significant at the 0.20 level, NS = not statistically significant at the 0.20 level), the power of the test, and the type of statistical test performed (i.e., Student's t-Test or Wilcoxon test). The power of the test represents the probability of detecting a difference of 40% between the background mean and the site mean at the 80% confidence level. It also shows the background UTLs and the number of site results exceeding the UTLs. The last two columns of this table indicate whether or not the chemical was listed as a COPC and a reason for this conclusion.

A.1.4.4 Calculate Summary Statistics for COPCs

The next step in the data analysis was to calculate summary statistics for those analytes determined to be COPCs. Organic analytes that had a frequency of occurrence that was greater than 5% were initially identified as COPCs. Inorganic analytes that had a frequency of occurrence greater than 5% *and* had average concentrations that were significantly greater than background were also initially identified as COPCs.

The following summary statistics were calculated for all analytes that were determined to be COPCs: minimum, maximum, mean, and 95% UCL for the mean. For censored data, proxy concentrations were estimated for values reported as ND by substituting a random uniform number between zero and the minimum result.

Tables A.1.1-4 and A.1.1-5 in Attachment A.1.1 provide summary statistics for COPCs for the FTA for groundwater and soil, respectively.

A.1.4.5 Raw Data

Raw data tables for groundwater, surface soil, and subsurface soil samples are provided in Attachments A.1.2, A.1-3, and A.1.4, respectively. These tables provide the data source, the analytical method, the estimated concentration (measured value or proxy value if nondetect), and the reporting limit for that measurement.

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Attachment A.1.1
Summary Tables for COPCs

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

Media=Groundwater METHOD=Organics

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	1,1,1-Trichloroethane	mg/L	15	ND	0.005	13.3	NC	Yes	d
SW8240	1,1,2,2-Tetrachloroethane	mg/L	15	ND	0.006	6.7	0.001	Yes	d
SW8240	1,1,2-Trichloroethane	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	1,1-Dichloroethane	mg/L	15	ND	0.051	6.7	NC	Yes	d
SW8240	1,1-Dichloroethene	mg/L	15	ND	0.009	13.3	NC	Yes	d
SW8270	1,2,4,5-Tetrachlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1,2,4-Trichlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1,2-Dichlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloroethane	mg/L	15	ND	ND	0.0	NC	No	e
SW8240	1,2-Dichloroethene (total)	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloropropane	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	1,3-Dichlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1,3-Dinitrobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1,4-Dichlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1,4-Naphthoquinone	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	1-Naphthylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,3,4,6-Tetrachlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,4,5-Trichlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,4,6-Trichlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,4-Dichlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,4-Dimethylphenol	mg/L	12	ND	0.028	16.7	NC	Yes	d
SW8270	2,4-Dinitrophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,4-Dinitrotoluene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,6-Dichlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2,6-Dinitrotoluene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2-Acetylaminofluorene	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	2-Chloroethyl vinyl ether	mg/L	15	ND	ND	0.0	NC	No	e

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

Media=Groundwater METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	2-Chloronaphthalene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2-Chlorophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	2-Hexanone	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	2-Methylnaphthalene	mg/L	12	ND	0.110	25.0	NC	Yes	d
SW8270	2-Methylphenol	mg/L	12	ND	0.034	25.0	NC	Yes	d
SW8270	2-Naphthylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2-Nitroaniline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2-Nitrophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	2-Picoline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dichlorobenzidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dimethylbenzidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	3-Methylcholanthrene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	3-Methylphenol/4-Methylphenol	mg/L	12	ND	0.039	25.0	NC	Yes	d
SW8270	3-Nitroaniline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4,6-Dinitro-2-methylphenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Aminobiphenyl	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Bromophenyl phenyl ether	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Chloro-3-methylphenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Chloroaniline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Chlorophenyl phenyl ether	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	4-Methyl-2-pentanone (MIBK)	mg/L	15	ND	2.400	20.0	NC	Yes	d
SW8270	4-Nitroaniline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Nitrophenol	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	4-Nitroquinoline-N-oxide	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	5-Nitro-o-toluidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	7,12-Dimethylbenz(a)-anthracene	mg/L	12	ND	ND	0.0	NC	No	a

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

Media=Groundwater METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	Acenaphthene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Acenaphthylene	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Acetone	mg/L	15	ND	4.800	33.3	0.115	Yes	d
SW8270	Acetophenone	mg/L	12	ND	0.100	16.7	NC	Yes	d
SW8270	Aniline	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Anthracene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Aramite	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Benzene	mg/L	15	ND	6.900	40.0	0.002	Yes	d
SW8270	Benzo(a)anthracene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Benzo(a)pyrene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Benzo(b)fluoranthene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Benzo(g,h,i)perylene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Benzo(k)fluoranthene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Benzyl alcohol	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Bromodichloromethane	mg/L	15	ND	ND	0.0	NC	No	e
SW8240	Bromoform	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Bromomethane	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	Butylbenzylphthalate	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Carbon disulfide	mg/L	15	ND	0.036	6.7	NC	Yes	d
SW8240	Carbon tetrachloride	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Chlorobenzene	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Chloroethane	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Chloroform	mg/L	15	ND	0.000	6.7	NC	Yes	d
SW8240	Chloromethane	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	Chrysene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Di-n-butylphthalate	mg/L	12	ND	ND	0.0	NC	No	a

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

Media=Groundwater METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	Di-n-octylphthalate	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Dibenz(a,h)anthracene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Dibenzofuran	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Dibromochloromethane	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	Diethylphthalate	mg/L	12	ND	0.006	8.3	NC	Yes	d
SW8270	Dimethylphenethylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Dimethylphthalate	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Diphenylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Ethyl methanesulfonate	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Ethylbenzene	mg/L	15	ND	2.300	40.0	0.001	Yes	d
SW8270	Fluoranthene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Fluorene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachlorobutadiene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachlorocyclopentadiene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachloroethane	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachlorophene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Hexachloropropene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Indeno(1,2,3-cd)pyrene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Isophorone	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Isosafrole	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Methapyriline	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Methyl ethyl ketone (2-Butanone)	mg/L	15	ND	0.004	0.0	0.012	No	e
SW8270	Methyl methanesulfonate	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Methylene chloride	mg/L	15	0.001	0.120	46.7	0.002	Yes	d
SW8270	N-Nitroso-di-n-butylamine	mg/L	12	ND	ND	0.0	NC	No	a

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

---------- Media=Groundwater METHOD=Organics ----------
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	N-Nitroso-di-n-propylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodiethylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodimethylamine	mg/L	12	ND	ND	0.0	NC	No	e
SW8270	N-Nitrosodiphenylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomethylethylamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomorpholine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopiperidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopyrrolidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Naphthalene	mg/L	12	ND	0.230	33.3	NC	Yes	d
SW8270	Nitrobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pentachlorobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pentachloroethane	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pentachloronitrobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pentachlorophenol	mg/L	12	ND	0.099	25.0	NC	Yes	d
SW8270	Phenacetin	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Phenanthrene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Phenol	mg/L	12	ND	0.026	25.0	NC	Yes	d
SW8270	Pronamide	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pyrene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Pyridine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	Safrole	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	Styrene	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Tetrachloroethene	mg/L	15	ND	ND	0.0	NC	No	e
SW8240	Toluene	mg/L	15	ND	1.500	20.0	0.004	Yes	d
SW8240	Total xylenes	mg/L	15	ND	2.900	40.0	0.003	Yes	d
SW8240	Trichloroethene	mg/L	15	ND	0.120	20.0	NC	Yes	d

Table A.1.1-1
Risk Assessment - Groundwater Conclusions for FTA

Media=Groundwater METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	Vinyl acetate	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	Vinyl chloride	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethoxy)methane	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethyl) ether	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroisopropyl)ether	mg/L	12	ND	0.001	8.3	NC	Yes	d
SW8270	bis(2-Ethylhexyl)phthalate	mg/L	12	ND	0.017	8.3	0.001	Yes	d
SW8240	cis-1,3-Dichloropropene	mg/L	15	ND	ND	0.0	NC	No	a
SW8270	o-Toluidine	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	p-Dimethylaminoazobenzene	mg/L	12	ND	ND	0.0	NC	No	a
SW8270	p-Phenylenediamine	mg/L	12	ND	ND	0.0	NC	No	a
SW8240	trans-1,2-Dichloroethene	mg/L	15	ND	ND	0.0	NC	No	a
SW8240	trans-1,3-Dichloropropene	mg/L	15	ND	ND	0.0	NC	No	a

N = 143

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

---------- Media=Subsurface METHOD=Inorganics ----------

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW7060	Arsenic	mg/kg	16	-5.210	7.180	93.8	NC	No	c
SW6010	Barium	mg/kg	16	19.700	134.000	100.0	NC	Yes	b
SW6010	Cadmium	mg/kg	16	-0.142	0.255	93.8	NC	No	c
SW6010	Chromium	mg/kg	16	4.000	19.700	100.0	NC	Yes	b
SW7421	Lead	mg/kg	16	1.070	9.820	100.0	NC	Yes	b
SW7471	Mercury	mg/kg	16	-0.034	0.046	100.0	NC	Yes	b
SW7740	Selenium	mg/kg	16	0.161	4.630	100.0	NC	Yes	b
SW6010	Silver	mg/kg	16	-3.340	0.149	93.8	NC	No	c

N = 8

---------- Media=Subsurface METHOD=Organics ----------

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	1,1,1-Trichloroethane	mg/kg	32	ND	2.000	6.3	NC	Yes	d
SW8240	1,1,2,2-Tetrachloroethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	1,1,2-Trichloroethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	1,1-Dichloroethane	mg/kg	32	ND	0.057	3.1	NC	No	e
SW8240	1,1-Dichloroethene	mg/kg	32	ND	0.120	3.1	NC	No	e
SW8270	1,2,4,5-Tetrachlorobenzene	mg/kg	16	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	1,2,4-Trichlorobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	1,2-Dibromoethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	1,2-Dichlorobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloroethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloroethene (total)	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloropropane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	1,3-Dichlorobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	1,3-Dinitrobenzene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	1,4-Dichlorobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	1,4-Naphthoquinone	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	1-Naphthylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2,3,4,6-Tetrachlorophenol	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2,4,5-Trichlorophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2,4,6-Trichlorophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2,4-Dichlorophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2,4-Dimethylphenol	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	2,4-Dinitrophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2,4-Dinitrotoluene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2,6-Dichlorophenol	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2,6-Dinitrotoluene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2-Acetylaminofluorene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	2-Chloroethyl vinyl ether	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	2-Chloronaphthalene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2-Chlorophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	2-Hexanone	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	2-Methylnaphthalene	mg/kg	28	ND	83.200	53.6	NC	Yes	d

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	2-Methylphenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2-Naphthylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2-Nitroaniline	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2-Nitrophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	2-Picoline	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dichlorobenzidine	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dimethylbenzidine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	3-Methylcholanthrene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	3-Methylphenol/4-Methylphenol	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	3-Nitroaniline	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4,6-Dinitro-2-methylphenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4-Aminobiphenyl	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	4-Bromophenyl phenyl ether	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4-Chloro-3-methylphenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4-Chloroaniline	mg/kg	28	ND	3.700	7.1	NC	Yes	d
SW8270	4-Chlorophenyl phenyl ether	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	4-Methyl-2-pentanone (MIBK)	mg/kg	32	ND	0.004	9.4	NC	Yes	d
SW8270	4-Nitroaniline	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4-Nitrophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	4-Nitroquinoline-N-oxide	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	5-Nitro-o-toluidine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	7,12-Dimethylbenz(a)-anthracene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Acenaphthene	mg/kg	28	ND	0.671	3.6	NC	No	e
SW8270	Acenaphthylene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Acetone	mg/kg	32	ND	2.200	65.6	0.005	Yes	d
SW8270	Acetophenone	mg/kg	28	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	Aniline	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Anthracene	mg/kg	28	ND	0.524	3.6	NC	No	e
SW8270	Aramite	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Benzene	mg/kg	32	ND	13.500	37.5	NC	Yes	d
SW8270	Benzo(a)anthracene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Benzo(a)pyrene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Benzo(b)fluoranthene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Benzo(g,h,i)perylene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Benzo(k)fluoranthene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Benzoic acid	mg/kg	12	ND	ND	0.0	NC	No	a
SW8270	Benzyl alcohol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	Bromodichloromethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Bromoform	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Bromomethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	Butylbenzylphthalate	mg/kg	28	ND	ND	0.0	NC	No	a
SW8240	Carbon disulfide	mg/kg	32	ND	0.160	21.9	NC	Yes	d
SW8240	Carbon tetrachloride	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Chlorobenzene	mg/kg	32	ND	ND	0.0	NC	No	e
SW8240	Chloroethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Chloroform	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Chloromethane	mg/kg	32	ND	0.016	12.5	NC	Yes	d
SW8270	Chrysene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Di-n-butylphthalate	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Di-n-octylphthalate	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Dibenz(a,h)anthracene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Dibenzofuran	mg/kg	28	ND	3.070	28.6	NC	Yes	d

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	Dibromochloromethane	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Dibromomethane	mg/kg	16	ND	0.071	25.0	NC	Yes	d
SW8270	Diethylphthalate	mg/kg	28	ND	0.517	3.6	NC	No	e
SW8270	Dimethylphenethylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Dimethylphthalate	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Diphenylamine	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Ethyl methanesulfonate	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Ethylbenzene	mg/kg	32	ND	250.000	53.1	NC	Yes	d
SW8270	Fluoranthene	mg/kg	28	ND	0.309	3.6	NC	No	e
SW8270	Fluorene	mg/kg	28	ND	2.350	28.6	NC	Yes	d
SW8270	Hexachlorobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Hexachlorobutadiene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Hexachlorocyclopentadiene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Hexachloroethane	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Hexachlorophene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Hexachloropropene	mg/kg	16	ND	ND	0.0	NC	No	a
E418.1	Hydrocarbons	mg/kg	16	-9.360	31800.000	56.3	NC	Yes	d
SW8270	Indene	mg/kg	12	ND	ND	0.0	NC	No	a
SW8270	Indeno(1,2,3-cd)pyrene	mg/kg	28	ND	ND	0.0	NC	No	e
SW8270	Isophorone	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Isosafrole	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Methapyriline	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Methyl ethyl ketone (2-Butanone)	mg/kg	32	ND	0.041	18.8	NC	Yes	d
SW8270	Methyl methanesulfonate	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Methylene chloride	mg/kg	32	ND	1.500	68.8	0.280	Yes	d
SW8270	N-Nitroso-di-n-butylamine	mg/kg	16	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	N-Nitroso-di-n-propylamine	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodiethylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodimethylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodiphenylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomethylethylamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomorpholine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopiperidine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopyrrolidine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Naphthalene	mg/kg	28	ND	31.000	42.9	NC	Yes	d
SW8270	Nitrobenzene	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Pentachlorobenzene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Pentachloroethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Pentachloronitrobenzene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Pentachlorophenol	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	Phenacetin	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Phenanthrene	mg/kg	28	ND	2.830	21.4	NC	Yes	d
SW8270	Phenol	mg/kg	28	ND	0.530	3.6	NC	No	e
SW8270	Pronamide	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Pyrene	mg/kg	28	ND	0.329	3.6	NC	No	e
SW8270	Pyridine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Safrole	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Styrene	mg/kg	32	ND	ND	0.0	NC	No	e
E418.1	TRPH	mg/kg	20	ND	4030.000	45.0	NC	Yes	d
SW8240	Tetrachloroethene	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Toluene	mg/kg	32	ND	197.000	53.1	NC	Yes	d
SW8240	Total xylenes	mg/kg	32	ND	373.000	56.3	NC	Yes	d

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Subsurface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	Trichloroethene	mg/kg	32	ND	ND	0.0	NC	No	e
SW8240	Vinyl acetate	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	Vinyl chloride	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethoxy)methane	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethyl) ether	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroisopropyl)ether	mg/kg	28	ND	ND	0.0	NC	No	a
SW8270	bis(2-Ethylhexyl)phthalate	mg/kg	28	ND	ND	0.0	NC	No	e
SW8240	cis-1,3-Dichloropropene	mg/kg	32	ND	ND	0.0	NC	No	a
SW8270	o-Toluidine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	p-Dimethylaminoazobenzene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	p-Phenylenediamine	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	trans-1,2-Dichloroethene	mg/kg	32	ND	ND	0.0	NC	No	a
SW8240	trans-1,3-Dichloropropene	mg/kg	32	ND	ND	0.0	NC	No	a

N = 149

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Inorganics

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW7060	Arsenic	mg/kg	2	3.900	10.500	100.0	NC	Yes	d
SW6010	Barium	mg/kg	2	92.200	227.000	100.0	NC	Yes	d
SW6010	Cadmium	mg/kg	2	0.084	0.344	100.0	NC	Yes	d
SW6010	Chromium	mg/kg	2	12.700	25.300	100.0	NC	Yes	d
SW7421	Lead	mg/kg	2	6.990	19.800	100.0	NC	Yes	d
SW7471	Mercury	mg/kg	2	-0.017	-0.010	100.0	NC	No	a
SW7740	Selenium	mg/kg	2	1.510	2.270	100.0	NC	Yes	d
SW6010	Silver	mg/kg	2	-1.070	-0.662	100.0	NC	No	a

N = 8

Media=Surface METHOD=Organics

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	1,1,1-Trichloroethane	mg/kg	16	ND	0.005	6.3	NC	Yes	d
SW8240	1,1,2,2-Tetrachloroethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	1,1,2-Trichloroethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	1,1-Dichloroethane	mg/kg	16	ND	ND	0.0	NC	No	e
SW8240	1,1-Dichloroethene	mg/kg	16	ND	ND	0.0	NC	No	e
SW8270	1,2,4,5-Tetrachlorobenzene	mg/kg	14	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	1,2,4-Trichlorobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	1,2-Dibromoethane	mg/kg	2	ND	ND	0.0	NC	No	a
SW8270	1,2-Dichlorobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloroethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloroethene (total)	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	1,2-Dichloropropane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	1,3-Dichlorobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	1,3-Dinitrobenzene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	1,4-Dichlorobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	1,4-Naphthoquinone	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	1-Naphthylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	2,3,4,6-Tetrachlorophenol	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	2,4,5-Trichlorophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2,4,6-Trichlorophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2,4-Dichlorophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2,4-Dimethylphenol	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	2,4-Dinitrophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2,4-Dinitrotoluene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2,6-Dichlorophenol	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	2,6-Dinitrotoluene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2-Acetylaminofluorene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	2-Chloroethyl vinyl ether	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2-Chloronaphthalene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2-Chlorophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	2-Hexanone	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	2-Methylnaphthalene	mg/kg	15	ND	6.170	20.0	NC	Yes	d

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	2-Methylphenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2-Naphthylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	2-Nitroaniline	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2-Nitrophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	2-Picoline	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dichlorobenzidine	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	3,3'-Dimethylbenzidine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	3-Methylcholanthrene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	3-Methylphenol/4-Methylphenol	mg/kg	15	ND	0.197	6.7	NC	Yes	d
SW8270	3-Nitroaniline	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4,6-Dinitro-2-methylphenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4-Aminobiphenyl	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	4-Bromophenyl phenyl ether	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4-Chloro-3-methylphenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4-Chloroaniline	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	4-Chlorophenyl phenyl ether	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	4-Methyl-2-pentanone (MIBK)	mg/kg	16	ND	0.002	25.0	NC	Yes	d
SW8270	4-Nitroaniline	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4-Nitrophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	4-Nitroquinoline-N-oxide	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	5-Nitro-o-toluidine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	7,12-Dimethylbenz(a)-anthracene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Acenaphthene	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Acenaphthylene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Acetone	mg/kg	16	ND	0.760	37.5	NC	Yes	d
SW8270	Acetophenone	mg/kg	15	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	Aniline	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Anthracene	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Aramite	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Benzene	mg/kg	16	ND	6.770	31.3	NC	Yes	d
SW8270	Benzo(a)anthracene	mg/kg	15	ND	0.063	6.7	NC	Yes	d
SW8270	Benzo(a)pyrene	mg/kg	15	ND	0.074	6.7	NC	Yes	d
SW8270	Benzo(b)fluoranthene	mg/kg	15	ND	0.089	6.7	NC	Yes	d
SW8270	Benzo(g,h,i)perylene	mg/kg	15	ND	0.077	6.7	NC	Yes	d
SW8270	Benzo(k)fluoranthene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Benzoic acid	mg/kg	1	ND	ND	0.0	NC	No	a
SW8270	Benzyl alcohol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	Bromodichloromethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Bromoform	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Bromomethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	Butylbenzylphthalate	mg/kg	15	ND	ND	0.0	NC	No	a
SW8240	Carbon disulfide	mg/kg	16	ND	0.019	6.3	NC	Yes	d
SW8240	Carbon tetrachloride	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Chlorobenzene	mg/kg	16	ND	ND	0.0	NC	No	e
SW8240	Chloroethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Chloroform	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Chloromethane	mg/kg	16	ND	0.004	6.3	NC	Yes	d
SW8270	Chrysene	mg/kg	15	ND	0.074	13.3	NC	Yes	d
SW8270	Di-n-butylphthalate	mg/kg	15	ND	0.049	6.7	NC	Yes	d
SW8270	Di-n-octylphthalate	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Dibenz(a,h)anthracene	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Dibenzofuran	mg/kg	15	ND	ND	0.0	NC	No	e

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	Dibromochloromethane	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Dibromomethane	mg/kg	2	ND	ND	0.0	NC	No	e
SW8270	Diethylphthalate	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Dimethylphenethylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Dimethylphthalate	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Diphenylamine	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Ethyl methanesulfonate	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Ethylbenzene	mg/kg	16	ND	63.000	43.8	NC	Yes	d
SW8270	Fluoranthene	mg/kg	15	ND	0.090	6.7	NC	Yes	d
SW8270	Fluorene	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Hexachlorobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Hexachlorobutadiene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Hexachlorocyclopentadiene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Hexachloroethane	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Hexachlorophene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Hexachloropropene	mg/kg	14	ND	ND	0.0	NC	No	a
E418.1	Hydrocarbons	mg/kg	2	11600.000	16000.000	100.0	NC	Yes	d
SW8270	Indene	mg/kg	1	ND	ND	0.0	NC	No	a
SW8270	Indeno(1,2,3-cd)pyrene	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Isophorone	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Isosafrole	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Methapyriline	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Methyl ethyl ketone (2-Butanone)	mg/kg	16	ND	ND	0.0	NC	No	e
SW8270	Methyl methanesulfonate	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Methylene chloride	mg/kg	16	ND	0.025	87.5	NC	Yes	d
SW8270	N-Nitroso-di-n-butylamine	mg/kg	14	ND	ND	0.0	NC	No	a

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8270	N-Nitroso-di-n-propylamine	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodiethylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodimethylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosodiphenylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomethylethylamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosomorpholine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopiperidine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	N-Nitrosopyrrolidine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Naphthalene	mg/kg	15	ND	3.850	13.3	NC	Yes	d
SW8270	Nitrobenzene	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Pentachlorobenzene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Pentachloroethane	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Pentachloronitrobenzene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Pentachlorophenol	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	Phenacetin	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Phenanthrene	mg/kg	15	ND	0.303	13.3	NC	Yes	d
SW8270	Phenol	mg/kg	15	ND	ND	0.0	NC	No	e
SW8270	Pronamide	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Pyrene	mg/kg	15	ND	0.097	13.3	NC	Yes	d
SW8270	Pyridine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	Safrole	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	Styrene	mg/kg	16	ND	ND	0.0	NC	No	e
E418.1	TRPH	mg/kg	10	ND	11500.000	40.0	NC	Yes	d
SW8240	Tetrachloroethene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Toluene	mg/kg	16	ND	58.500	81.3	NC	Yes	d
SW8240	Total xylenes	mg/kg	16	ND	119.000	81.3	NC	Yes	d

Table A.1.1-2
Risk Assessments - Soil Conclusions for FTA

Media=Surface METHOD=Organics
(continued)

Analytical Method	Analyte	Units	N	Minimum	Maximum	Freq of Occ.(1)	UTL for Blank Data(2)	Chemical of Potential Concern?	Footnote
SW8240	Trichloroethene	mg/kg	16	ND	0.001	25.0	NC	Yes	d
SW8240	Vinyl acetate	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	Vinyl chloride	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethoxy)methane	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroethyl) ether	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	bis(2-Chloroisopropyl)ether	mg/kg	15	ND	ND	0.0	NC	No	a
SW8270	bis(2-Ethylhexyl)phthalate	mg/kg	15	ND	1.150	6.7	NC	Yes	d
SW8240	cis-1,3-Dichloropropene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8270	o-Toluidine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	p-Dimethylaminoazobenzene	mg/kg	14	ND	ND	0.0	NC	No	a
SW8270	p-Phenylenediamine	mg/kg	14	ND	ND	0.0	NC	No	a
SW8240	trans-1,2-Dichloroethene	mg/kg	16	ND	ND	0.0	NC	No	a
SW8240	trans-1,3-Dichloropropene	mg/kg	16	ND	ND	0.0	NC	No	a

N = 149

Table A.1.1-3
Soil Site Comparisons to Background for FTA

Media=Subsurface

Analytical Method	Analyte	Units	Bkgrd Hits	Bkgrd Mean	Bkgrd Max	Site Hits	Site Mean	Site Max	Test Type	P-Val for Test	Test Concl	Test Power (1)	UTL for Bkgrd (2)	N > UTL for Bkgrd	Concl	Footnote
SW7060	Arsenic	mg/kg	32/60	0.116	8.238	16/16	0.171	7.180	t-Test	0.4767	NS	0.2144	6.883	1	No	c
SW6010	Barium	mg/kg	9/9	35.778	65.000	16/16	78.156	134.000	t-Test	0.0003	S	0.6056	84.363	7	Yes	b
SW6010	Cadmium	mg/kg	29/58	0.015	0.560	16/16	0.051	0.255	Wilcoxon	0.2485	NS	0.4284	0.560	0	No	c
SW6010	Chromium	mg/kg	9/9	2.340	4.800	16/16	11.779	19.700	t-Test	0.0000	S	0.3944	6.605	14	Yes	b
SW7421	Lead	mg/kg	7/7	2.686	8.000	16/16	4.467	9.820	Wilcoxon	0.0599	S	0.3586	8.000	2	Yes	b
SW7471	Mercury	mg/kg	0/37	-0.027	-0.008	16/16	-0.003	0.046	t-Test	0.0001	S	0.0006	NC	NC	Yes	b
SW7740	Selenium	mg/kg	26/62	-0.461	12.910	16/16	2.262	4.630	t-Test	0.0002	S	0.1648	10.531	0	Yes	b
SW6010	Silver	mg/kg	20/59	-0.201	1.156	16/16	-1.451	0.149	t-Test	0.9999	NS	0.0954	0.734	0	No	c

N = 8

Media=Surface

Analytical Method	Analyte	Units	Bkgrd Hits	Bkgrd Mean	Bkgrd Max	Site Hits	Site Mean	Site Max	Test Type	P-Val for Test	Test Concl	Test Power (1)	UTL for Bkgrd (2)	N > UTL for Bkgrd	Concl	Footnote
SW7060	Arsenic	mg/kg	32/60	0.116	8.238	2/2	7.200	10.500	t-Test	0.0025	S	0.2054	6.883	1	Yes	d
SW6010	Barium	mg/kg	9/9	35.778	65.000	2/2	159.600	227.000	t-Test	0.1579	S	0.3701	84.363	2	Yes	d
SW6010	Cadmium	mg/kg	29/58	0.015	0.560	2/2	0.214	0.344	Wilcoxon	0.0631	S	0.4277	0.560	0	Yes	d
SW6010	Chromium	mg/kg	9/9	2.340	4.800	2/2	19.000	25.300	t-Test	0.1143	S	0.3153	6.605	2	Yes	d
SW7421	Lead	mg/kg	7/7	2.686	8.000	2/2	13.395	19.800	Wilcoxon	0.0353	S	0.3701	8.000	1	Yes	d
SW7471	Mercury	mg/kg	0/37	-0.027	-0.008	2/2	-0.014	-0.010	t-Test	0.0723	S	0.0196	NC	NC	No	a

Table A.1.1-3
Soil Site Comparisons to Background for FTA

Media=Surface
(continued)

Analytical Method	Analyte	Units	Bkgrd Hits	Bkgrd Mean	Bkgrd Max	Site Hits	Site Mean	Site Max	Test Type	P-Val for Test	Test Concl	Test Power (1)	UTL for Bkgrd (2)	N > UTL for Bkgrd	Concl	Footnote
SW7740	Selenium	mg/kg	26/62	-0.461	12.910	2/2	1.890	2.270	t-Test	0.2743	NS	0.1871	10.531	0	Yes	d
SW6010	Silver	mg/kg	20/59	-0.201	1.156	2/2	-0.866	-0.662	t-Test	0.9755	NS	0.1392	0.734	0	No	a

N = 8

Table A.1.1-4
Holloman AFB Table 1 Phase II Groundwater COPCs
For Quantitative Risk Assessment of FTA

---------- Media=Groundwater METHOD=Organics ----------

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW8240	1,1,1-Trichloroethane	mg/L	15	2	ND	0.0045	0.0006	0.0011
SW8240	1,1,2,2-Tetrachloroethane	mg/L	15	2	ND	0.0061	0.0006	0.0013
SW8240	1,1-Dichloroethane	mg/L	15	1	ND	0.051	0.0105	0.0174
SW8240	1,1-Dichloroethene	mg/L	15	2	ND	0.0087	0.001	0.0019
SW8270	2,4-Dimethylphenol	mg/L	12	2	ND	0.028	0.008	0.0126
SW8270	2-Methylnaphthalene	mg/L	12	3	ND	0.11	0.0275	0.0485
SW8270	2-Methylphenol	mg/L	12	3	ND	0.034	0.0089	0.014
SW8270	3-Methylphenol/4-Methylphenol	mg/L	12	3	ND	0.039	0.0128	0.019
SW8240	4-Methyl-2-pentanone (MIBK)	mg/L	15	3	ND	2.4	0.1903	0.4698
SW8240	Acetone	mg/L	15	6	ND	4.8	0.4957	1.0539
SW8270	Acetophenone	mg/L	12	2	ND	0.1	0.009	0.0239
SW8240	Benzene	mg/L	15	9	ND	6.9	1.0751	2.0292
SW8240	Carbon disulfide	mg/L	15	1	ND	0.036	0.008	0.0126
SW8240	Chloroform	mg/L	15	1	ND	0.0003	0.0002	0.0002
SW8270	Diethylphthalate	mg/L	12	1	ND	0.0059	0.0028	0.0036
SW8240	Ethylbenzene	mg/L	15	6	ND	2.3	0.4569	0.8249
SW8240	Methylene chloride	mg/L	15	15	0.0008	0.12	0.0217	0.0395
SW8270	Naphthalene	mg/L	12	4	ND	0.23	0.0518	0.0986
SW8270	Pentachlorophenol	mg/L	12	3	ND	0.099	0.0187	0.034
SW8270	Phenol	mg/L	12	3	ND	0.026	0.0083	0.0124
SW8240	Toluene	mg/L	15	4	ND	1.5	0.1249	0.3029
SW8240	Total xylenes	mg/L	15	8	ND	2.9	0.2353	0.5768
SW8240	Trichloroethene	mg/L	15	3	ND	0.12	0.0093	0.0233
SW8270	bis(2-Chloroisopropyl)ether	mg/L	12	1	ND	0.0013	0.0008	0.001
SW8270	bis(2-Ethylhexyl)phthalate	mg/L	12	1	ND	0.017	0.0054	0.008

N = 25

Table A.1.1-5
Holloman AFB Table 1 Phase II RFI Soil COPCs
For Quantitative Risk Assessment of FTA

---------- Media=Subsurface METHOD=Inorganics ----------

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW6010	Barium	mg/kg	16	16	19.7	134	78.156	94.016
SW6010	Chromium	mg/kg	16	16	4	19.7	11.779	13.839
SW7421	Lead	mg/kg	16	16	1.07	9.82	4.4669	5.6091
SW7471	Mercury	mg/kg	16	16	-0.034	0.0463	-0.003	0.0061
SW7740	Selenium	mg/kg	16	16	0.1611	4.63	2.2623	2.7132

N = 5

---------- Media=Subsurface METHOD=Organics ----------

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW8240	1,1,1-Trichloroethane	mg/kg	32	2	ND	2	0.0697	0.1753
SW8270	2-Methylnaphthalene	mg/kg	28	15	ND	83.2	8.2986	14.012
SW8270	4-Chloroaniline	mg/kg	28	2	ND	3.7	0.7276	1.039
SW8240	4-Methyl-2-pentanone (MIBK)	mg/kg	32	3	ND	0.0044	0.0014	0.002
SW8240	Acetone	mg/kg	32	21	ND	2.2	0.2885	0.4678
SW8240	Benzene	mg/kg	32	12	ND	13.5	1.0607	1.9801
SW8240	Carbon disulfide	mg/kg	32	7	ND	0.16	0.2339	0.495
SW8240	Chloromethane	mg/kg	32	4	ND	0.0156	0.1933	0.395
SW8270	Dibenzofuran	mg/kg	28	8	ND	3.07	0.4112	0.6324
SW8240	Dibromomethane	mg/kg	16	4	ND	0.0712	0.0076	0.0154

Table A.1.1-5
Holloman AFB Table 1 Phase II RFI Soil COPCs
For Quantitative Risk Assessment of FTA

---------- Media=Subsurface METHOD=Organics ----------
(continued)

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW8240	Ethylbenzene	mg/kg	32	17	ND	250	29.19	49.733
SW8270	Fluorene	mg/kg	28	8	ND	2.35	0.2404	0.3965
E418.1	Hydrocarbons	mg/kg	16	16	-9.36	31800	4962.1	8835.5
SW8240	Methyl ethyl ketone (2-Butanone)	mg/kg	32	6	ND	0.0406	0.3404	0.8011
SW8240	Methylene chloride	mg/kg	32	22	ND	1.5	0.0845	0.1684
SW8270	Naphthalene	mg/kg	28	12	ND	31	2.5975	4.555
SW8270	Phenanthrene	mg/kg	28	6	ND	2.83	0.2396	0.4213
E418.1	TRPH	mg/kg	20	9	ND	4030	829.19	1318.9
SW8240	Toluene	mg/kg	32	17	ND	197	21.328	37.983
SW8240	Total xylenes	mg/kg	32	18	ND	373	55.05	90.349

N = 20

---------- Media=Surface METHOD=Inorganics ----------

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW7060	Arsenic	mg/kg	2	2	3.9	10.5	7.2	28.035
SW6010	Barium	mg/kg	2	2	92.2	227	159.6	585.15
SW6010	Cadmium	mg/kg	2	2	0.0836	0.344	0.2138	1.0359
SW6010	Chromium	mg/kg	2	2	12.7	25.3	19	58.777

Table A.1.1-5
Holloman AFB Table 1 Phase II RFI Soil COPCs
For Quantitative Risk Assessment of FTA

---------- Media=Surface METHOD=Inorganics ----------
(continued)

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW7421	Lead	mg/kg	2	2	6.99	19.8	13.395	53.835
SW7740	Selenium	mg/kg	2	2	1.51	2.27	1.89	4.2892

N = 6

---------- Media=Surface METHOD=Organics ----------

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW8240	1,1,1-Trichloroethane	mg/kg	16	1	ND	0.0049	0.0371	0.0976
SW8270	2-Methylnaphthalene	mg/kg	15	3	ND	6.17	0.469	1.1864
SW8270	3-Methylphenol/4-Methylphenol	mg/kg	15	1	ND	0.197	0.1646	0.2156
SW8240	4-Methyl-2-pentanone (MIBK)	mg/kg	16	4	ND	0.0024	0.0099	0.0252
SW8240	Acetone	mg/kg	16	6	ND	0.76	0.0888	0.1748
SW8240	Benzene	mg/kg	16	5	ND	6.77	0.4876	1.2299
SW8270	Benzo(a)anthracene	mg/kg	15	1	ND	0.063	0.0407	0.0482
SW8270	Benzo(a)pyrene	mg/kg	15	1	ND	0.074	0.0434	0.0524
SW8270	Benzo(b)fluoranthene	mg/kg	15	1	ND	0.089	0.0456	0.0592
SW8270	Benzo(g,h,i)perylene	mg/kg	15	1	ND	0.077	0.0308	0.0436
SW8240	Carbon disulfide	mg/kg	16	1	ND	0.0194	0.0067	0.0094
SW8240	Chloromethane	mg/kg	16	1	ND	0.0042	0.0084	0.0183

Table A.1.1-5
Holloman AFB Table 1 Phase II RFI Soil COPCs
For Quantitative Risk Assessment of FTA

---------- Media=Surface METHOD=Organics ----------
(continued)

Analytical Method	Analyte	Units	N	Hits	Minimum	Maximum	Mean (a)	95% UCL (a,b)
SW8270	Chrysene	mg/kg	15	2	ND	0.0742	0.0407	0.0517
SW8270	Di-n-butylphthalate	mg/kg	15	1	ND	0.049	0.0238	0.0307
SW8240	Ethylbenzene	mg/kg	16	7	ND	63	5.8859	13.371
SW8270	Fluoranthene	mg/kg	15	1	ND	0.09	0.0468	0.0622
E418.1	Hydrocarbons	mg/kg	2	2	11600	16000	13800	27690
SW8240	Methylene chloride	mg/kg	16	14	0.0032	0.025	0.1783	0.4789
SW8270	Naphthalene	mg/kg	15	2	ND	3.85	0.2809	0.73
SW8270	Phenanthrene	mg/kg	15	2	ND	0.303	0.0398	0.0733
SW8270	Pyrene	mg/kg	15	2	ND	0.097	0.0572	0.0733
E418.1	TRPH	mg/kg	10	4	ND	11500	2034.7	4204.9
SW8240	Toluene	mg/kg	16	13	ND	58.5	4.1735	10.584
SW8240	Total xylenes	mg/kg	16	13	ND	119	11.132	25.287
SW8240	Trichloroethene	mg/kg	16	4	ND	0.0013	0.048	0.1298
SW8270	bis(2-Ethylhexyl)phthalate	mg/kg	15	1	ND	1.15	0.262	0.3876

N = 26

Attachment A.1-2
Groundwater Raw Data For COPCs

---------- SWMU=FTA Method=Organics Analyte=1,1,1-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.00058	.0005800	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	.	.0002106	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0003199	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	.0003058	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0005421	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0000105	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0003598	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0003753	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0001760	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0003977	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.00450	.0045000	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	.0001053	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0000226	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0004851	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0003688	ND	0.120	mg/L	

N = 15

--------- SWMU=FTA Method=Organics Analyte=1,1,2,2-Tetrachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	.0002831	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0000682	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.00610	.0061000	DET	0.025	mg/L	J
Table 1 Phase II	SW8240	L	.	.0001244	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0000373	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0001140	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0001657	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0000127	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0002262	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0003169	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.00035	.0003500	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	.0000621	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0002283	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0001030	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0001185	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,1,2-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.03594	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00490	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.01399	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00350	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00077	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00463	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00209	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00172	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00004	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00147	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00141	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.17649	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00458	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.06776	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.08408	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	0.051	0.051000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	.	0.003634	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.018791	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.002876	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001912	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002447	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001262	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004870	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000519	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000977	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000204	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.013157	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.003872	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.015794	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.036911	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	.0009846	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0005315	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0004412	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	.0000470	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0004817	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0001783	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0002963	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0004475	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0000737	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.0010	.0010000	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.0087	.0087000	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0002684	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0002788	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0000413	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.0006254	ND	0.120	mg/L	

N = 15

--------- SWMU=FTA Method=Organics Analyte=1,2,4,5-Tetrachlorobenzene ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00047	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00637	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00127	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00478	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00687	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00238	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00278	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00039	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.07657	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00660	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16618	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00625	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,2,4-Trichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00759	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00038	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00211	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00258	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00643	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00198	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00198	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00304	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13599	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00235	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14313	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00680	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00367	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00201	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00463	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00685	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00306	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00263	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00716	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00854	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15597	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00018	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19510	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01698	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.22653	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00097	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02260	ND	0.025	mg/L	

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00113	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00027	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00486	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00093	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00066	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00149	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00469	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00301	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.12109	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00050	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.16971	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.02544	ND	0.120	mg/L	

N = 15

--------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethene (total) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.10573	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00183	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02262	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00253	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00410	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00405	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00046	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00208	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00420	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00059	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00275	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.22576	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00445	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.24156	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.10616	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloropropane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.019046	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.000181	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.017912	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.003886	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001886	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000342	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001281	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002576	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000909	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004323	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000175	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.047024	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.004055	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.063278	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.063190	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,3-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.003239	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001316	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004253	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002174	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002552	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002052	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000667	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007396	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.069544	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.003153	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.013164	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.042861	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,3-Dinitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00115	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00783	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00140	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00556	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00859	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00598	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00592	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00246	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.04220	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00854	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14449	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02884	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,4-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00548	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00787	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00093	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00038	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00659	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00195	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00690	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00624	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15541	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00696	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00890	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00722	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1,4-Naphthoquinone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0026980	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0074651	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0095043	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=1,4-Naphthoquinone ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00494	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00010	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00864	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00919	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00437	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10199	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00594	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.09402	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04716	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=1-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.005725	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003266	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009395	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005670	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001420	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002981	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001991	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004276	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.055207	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.003918	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000211	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.026460	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=2,3,4,6-Tetrachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.042421	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.037072	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.018219	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.034172	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.033224	ND	0.05	mg/L	

--------- SWMU=FTA Method=Organics Analyte=2,3,4,6-Tetrachlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.03076	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02525	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04269	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.39501	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.04264	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.60130	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.22225	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4,5-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.01595	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03774	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04240	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02941	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01196	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00855	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02902	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02031	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.81308	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.02494	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.83372	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.07549	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4,6-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0035475	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0040860	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0087316	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0023952	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0047991	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0077495	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0021546	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2,4,6-Trichlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.006946	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.020168	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.003125	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.063496	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.010598	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.006446	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009779	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004718	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002071	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007795	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006447	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005835	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007678	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.029090	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.008586	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.016230	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.029703	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4-Dimethylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002745	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001787	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009592	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008240	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000330	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004364	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000712	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005342	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.024	0.024000	DET	0.20	mg/L	J

---------- SWMU=FTA Method=Organics Analyte=2,4-Dimethylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.003119	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.028	0.028000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.007413	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.04950	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04182	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04507	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03602	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02076	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03071	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04725	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03118	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.91563	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.00356	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.62281	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.02180	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00385	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00441	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00965	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00862	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00801	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00011	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00426	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00720	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12839	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00222	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.05681	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrotoluene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.00072625	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,6-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00588	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00039	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00154	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00103	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00138	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00909	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00627	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00408	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11285	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00277	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15388	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02244	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2,6-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00464	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00723	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00909	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00913	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00560	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00188	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00449	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00878	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12117	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00995	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.04697	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04863	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Acetylaminofluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.08577	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.08560	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.01099	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.03057	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.04671	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.02733	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.01467	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.03301	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	0.02327	ND	2.0	mg/L	
Table 1 Phase II	SW8270	L	.	0.01674	ND	0.1	mg/L	
Table 1 Phase II	SW8270	L	.	1.59766	ND	2.0	mg/L	
Table 1 Phase II	SW8270	L	.	0.40297	ND	0.5	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=2-Chloroethyl vinyl ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.001695	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004936	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001914	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004798	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.003452	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004154	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002237	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002532	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.003939	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.003292	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001457	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.067052	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.002249	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.011779	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.039329	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Chloronaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00929	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00680	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00215	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00853	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00204	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00852	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00920	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00496	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11217	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00343	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.09135	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04310	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Chlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00472	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00345	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00536	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00631	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00154	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00911	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00547	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00771	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11361	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00208	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18167	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01267	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Hexanone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.41680	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00706	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.01220	ND	0.05	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2-Hexanone ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00373	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00057	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00235	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00325	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00471	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00272	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00821	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00067	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.37274	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00413	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.46193	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.06398	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Methylnaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00686	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00822	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00839	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00908	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00703	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00566	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00540	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00045	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.071	0.07100	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.00008	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.110	0.11000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	0.098	0.09800	DET	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0062321	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0028669	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2-Methylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002181	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005888	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004316	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008347	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000644	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002688	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.021	0.021000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.003216	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.034	0.034000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	0.015	0.015000	DET	0.05	mg/L	J

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00034	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00102	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00725	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00917	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00066	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00393	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00387	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00071	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10868	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00759	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10921	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00064	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.020298	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.023639	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.002911	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.020687	ND	0.05	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2-Nitroaniline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.01762	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01640	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02822	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03761	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.21511	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.00252	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.58191	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.20507	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00903	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00710	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00291	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00983	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00923	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00897	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00759	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00733	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15794	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00151	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19543	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02668	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=2-Picoline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0032607	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0046059	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0094766	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0053536	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0033315	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0068582	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=2-Picoline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00272	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00579	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17763	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00758	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03641	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01671	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dichlorobenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.01213	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00143	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00013	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01355	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01770	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00222	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00434	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00924	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01958	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.01610	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.11782	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.07649	ND	0.10	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dimethylbenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0030526	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0038737	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0048583	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0057053	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0076015	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0055189	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0017891	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0055508	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dimethylbenzidine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.19616	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00478	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10686	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04759	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=3-Methylcholanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.003334	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009674	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001089	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007140	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002447	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000658	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007320	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009811	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.027947	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.009376	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.031012	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.017525	ND	0.05	mg/L	

N = 12

------- SWMU=FTA Method=Organics Analyte=3-Methylphenol/4-Methylphenol --------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.007643	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008042	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005328	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007138	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005853	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006412	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002313	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009271	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.039	0.039000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.007523	ND	0.01	mg/L	

------- SWMU=FTA Method=Organics Analyte=3-Methylphenol/4-Methylphenol --------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	0.021	0.021	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	0.034	0.034	DET	0.05	mg/L	J

N = 12

---------- SWMU=FTA Method=Organics Analyte=3-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.03401	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03560	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01314	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02709	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02842	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00153	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01326	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03254	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.33540	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.02878	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.87781	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.04182	ND	0.25	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=4,6-Dinitro-2-methylphenol ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00865	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03985	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00750	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04373	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03633	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03843	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01612	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02160	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.54700	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.03901	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.44406	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.14356	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=4-Aminobiphenyl ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00960	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00487	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00988	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00936	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00819	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00696	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00802	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00869	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11399	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00284	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13354	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01017	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=4-Bromophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00914	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00951	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00139	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00033	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00823	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00521	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00193	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00480	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15796	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00725	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10975	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04794	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=4-Chloro-3-methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0076231	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0070041	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0055133	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=4-Chloro-3-methylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00217	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00181	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00088	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00775	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00647	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18992	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00191	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.06924	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03453	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=4-Chloroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00406	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00035	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00430	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00858	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00153	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00116	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00625	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00745	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01482	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00384	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18775	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00450	ND	0.05	mg/L	

N = 12

-------- SWMU=FTA Method=Organics Analyte=4-Chlorophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0002181	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0007084	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0036105	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0031735	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0098381	ND	0.01	mg/L	

-------- SWMU=FTA Method=Organics Analyte=4-Chlorophenyl phenyl ether ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00161	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00311	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00296	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18109	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00656	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17895	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01605	ND	0.05	mg/L	

N = 12

-------- SWMU=FTA Method=Organics Analyte=4-Methyl-2-pentanone (MIBK) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00257	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00933	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.04819	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00098	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00331	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00709	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00681	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00454	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00436	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00318	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00009	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	0.23	0.23000	DET	0.50	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00363	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	2.40	2.40000	DET	0.50	mg/L	
Table 1 Phase II	SW8240	L	0.13	0.13000	DET	0.25	mg/L	J

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.038118	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.009629	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.004443	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.031500	ND	0.05	mg/L	

---------- SWMU=FTA Method=Organics Analyte=4-Nitroaniline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00723	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03548	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00509	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01566	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.78524	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.03357	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.53961	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.09599	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=4-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00428	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.02114	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01708	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04750	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00476	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00872	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01562	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03824	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.39192	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.03248	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.10931	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.07858	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=4-Nitroquinoline-N-oxide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	

---------- SWMU=FTA Method=Organics Analyte=4-Nitroquinoline-N-oxide ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=5-Nitro-o-toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00168	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00503	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00770	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00856	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00249	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00553	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00220	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00359	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13246	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00734	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.06764	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03391	ND	0.05	mg/L	

N = 12

------ SWMU=FTA Method=Organics Analyte=7,12-Dimethylbenz(a)-anthracene -------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0089988	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0034957	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0012412	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0094903	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0033021	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0061118	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0044680	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0063834	ND	0.01	mg/L	

------ SWMU=FTA Method=Organics Analyte=7,12-Dimethylbenz(a)-anthracene -------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.09488	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00835	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13532	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03676	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Acenaphthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00712	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00096	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01000	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00243	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00729	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00495	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00584	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00957	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13276	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00375	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.02303	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04382	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Acenaphthylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.000443	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002811	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000201	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007384	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003558	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009391	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008975	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004911	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.040858	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.005434	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Acenaphthylene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.16435	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00133	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Acetone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	4.800	4.80000	DET	0.50	mg/L	
Table 1 Phase II	SW8240	L	0.023	0.02300	DET	0.01	mg/L	
Table 1 Phase II	SW8240	L	0.610	0.61000	DET	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00948	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00221	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00558	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00051	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00006	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00622	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00579	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00618	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	0.450	0.45000	DET	0.50	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00621	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	0.860	0.86000	DET	0.50	mg/L	
Table 1 Phase II	SW8240	L	0.650	0.65000	DET	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Acetophenone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00000	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.0017	0.00170	DET	0.01	mg/L	J
Table 1 Phase II	SW8270	L	.	0.00082	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00163	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00099	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00137	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00052	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00030	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.1000	0.10000	DET	0.20	mg/L	J

---------- SWMU=FTA Method=Organics Analyte=Acetophenone ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.00012623	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.00017830	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	.00049690	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Aniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00652	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00540	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00343	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00594	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00536	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00290	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00860	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00109	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19570	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00265	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15933	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02912	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.007350	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003470	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000487	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009695	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001452	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007680	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000671	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007929	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.043950	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.002628	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.045046	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Anthracene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.037965	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Aramite ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00153	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00193	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00803	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00897	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00730	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00627	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00055	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00059	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14788	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00767	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.07307	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01712	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	1.80000	1.80000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	0.00071	0.00071	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00034	0.00034	DET	0.025	mg/L	J
Table 1 Phase II	SW8240	L	0.00470	0.00470	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.12000	0.12000	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00007	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00011	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00033	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00010	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00018	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.00054	0.00054	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	4.50000	4.50000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00015	ND	0.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Benzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	6.9	6.9	DET	0.25	mg/L	
Table 1 Phase II	SW8240	L	2.8	2.8	DET	0.12	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00377	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00285	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00361	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00283	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00537	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00301	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00547	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00451	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03523	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00518	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17770	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04783	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.008240	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009595	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009218	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003178	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003327	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009056	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006968	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009221	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.023974	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.008458	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.010927	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.010730	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzo(b)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00842	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00820	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00126	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00014	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00067	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00288	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00585	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00498	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19727	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00566	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.04899	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00858	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzo(g,h,i)perylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00522	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00804	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00690	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00193	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00062	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00448	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00608	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00636	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18847	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00666	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14421	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04743	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzo(k)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0019314	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0023024	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0025151	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Benzo(k)fluoranthene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002312	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007987	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006999	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000757	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003840	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.089466	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.006075	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.074390	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.001295	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzyl alcohol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.003584	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004015	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002591	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001415	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000541	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003251	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009693	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006555	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.079268	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.009849	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.055167	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.039646	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Bromodichloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.17407	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00001	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00529	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00009	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00408	ND	0.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Bromodichloromethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00323	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00078	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00466	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00017	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00312	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00355	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.13224	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00114	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.09851	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.04443	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Bromoform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.16938	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00435	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00253	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00022	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00133	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00193	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00419	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00187	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00084	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00005	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00479	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02080	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00149	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.06144	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.09305	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Bromomethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.068421	ND	0.5	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Bromomethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00194	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00637	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00242	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00040	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00048	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00703	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00596	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00572	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00718	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00162	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.44008	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00174	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.21629	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.16676	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Butylbenzylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.009565	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005208	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001159	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006806	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007884	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007036	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008168	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003622	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.081849	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.008773	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.013927	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.044229	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Carbon disulfide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.019245	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.003524	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.012043	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.001681	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004645	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000092	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002387	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001445	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001938	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000436	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000014	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.036	0.036000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	.	0.003231	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.016730	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.016019	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Carbon tetrachloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.01944	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00289	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02438	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00334	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00006	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00113	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00328	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00072	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00444	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00059	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00119	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.17108	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00433	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.09003	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.05627	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Chlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.11221	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00135	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00220	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00069	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00257	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00288	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00131	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00140	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00412	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00018	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00051	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.18010	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00159	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.17985	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.10956	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Chloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.26638	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00053	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00007	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00322	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00844	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00619	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00175	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00486	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00294	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00840	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00132	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.20502	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00280	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.08492	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.20979	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Chloroform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	.00014016	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.00018463	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00006906	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.00033	.00033000	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	.00007522	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00018355	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00026871	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00008901	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00029721	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00022053	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00004740	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00032868	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.00001229	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	.00015898	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	.00002518	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Chloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.40405	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00938	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.01395	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00453	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00638	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00607	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00750	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00913	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00968	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00463	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00984	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.45741	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00234	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.40978	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.07738	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Chrysene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.001205	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005821	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004328	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003293	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004636	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001588	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005661	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005906	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005970	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.000235	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006231	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.012311	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Di-n-butylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00233	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00549	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00673	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00091	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00339	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00426	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00925	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00319	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11637	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00039	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19051	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03416	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Di-n-octylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0062126	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0083745	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0006279	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Di-n-octylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00655	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00408	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00916	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00880	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00152	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.05742	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00961	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12135	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04030	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Dibenz(a,h)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00351	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00181	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00584	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00796	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00282	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00209	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00949	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00015	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19947	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00504	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.06685	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04352	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Dibenzofuran ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0087395	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0022993	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0050211	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0019521	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0027274	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Dibenzofuran ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00629	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00957	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00768	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18425	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00012	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16568	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04991	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Dibromochloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.02383	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00114	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.01173	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00496	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00239	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00420	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00046	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00286	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00162	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00001	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00091	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.15217	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00363	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.05951	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.04592	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Diethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0005516	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0026546	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0026001	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0019260	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Diethylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0005612	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0029004	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0041209	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0007967	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0040779	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	.0034334	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0039573	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.0059	.0059000	DET	0.05	mg/L	J

N = 12

---------- SWMU=FTA Method=Organics Analyte=Dimethylphenethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002562	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003278	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006497	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008706	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004053	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001611	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001465	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009770	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.058564	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.001667	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.054053	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.001659	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0005469	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0087861	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0083171	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0076125	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0086461	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0016378	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00500	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00131	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17882	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00148	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12846	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02757	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Diphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00707	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00363	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00441	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00310	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00531	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00513	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00468	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00250	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14738	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00816	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18365	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02119	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Ethyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0013179	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0026177	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0095148	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0093729	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0002079	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0054186	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0045625	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0061464	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Ethyl methanesulfonate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.10309	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00761	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.08441	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00809	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Ethylbenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	1.1000	1.10000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00171	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00359	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	0.0039	0.00390	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.0290	0.02900	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00080	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00215	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00374	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00061	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00281	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00315	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	1.6000	1.60000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00197	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	2.3000	2.30000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	1.8000	1.80000	DET	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0054392	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0034681	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0022173	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0015648	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0019065	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0093341	NO	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0041638	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Fluoranthene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00149	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12836	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00146	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13609	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04978	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Fluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00687	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00835	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00908	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00926	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00086	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00511	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00258	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00354	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17808	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00687	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.07294	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03715	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.004852	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007275	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008877	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004944	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001080	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003745	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000327	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005961	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.097527	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00764	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15371	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00104	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobutadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00907	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00197	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00099	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00756	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00806	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00304	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00043	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00556	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12374	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00378	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.08011	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02596	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=Hexachlorocyclopentadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00447	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00294	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00393	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00071	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00581	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00496	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00746	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00450	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12312	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00354	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10035	ND	0.20	mg/L	

--------- SWMU=FTA Method=Organics Analyte=Hexachlorocyclopentadiene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.041973	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Hexachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00168	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00430	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00484	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00312	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00727	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00244	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00174	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00958	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.11041	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00104	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16930	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04863	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Hexachlorophene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Hexachloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.009166	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006364	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000528	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008816	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004444	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002180	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008237	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000001	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.033177	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.007214	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.025900	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.027603	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Indeno(1,2,3-cd)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.005214	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005692	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002269	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.008553	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000292	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.006989	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000066	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000732	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.039673	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.002240	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.028699	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.014560	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Isophorone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0025107	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0016062	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0057325	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Isophorone ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.001248	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.002594	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003955	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.005468	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001185	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.071247	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.007885	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.077074	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.046202	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Isosafrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.01586	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01084	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01392	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01955	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00052	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00373	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01704	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01641	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.37981	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.01470	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.30581	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.00688	ND	0.10	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Methapyriline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0015589	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0050157	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0027615	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0096207	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0013742	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Methapyriline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00615	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00678	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00428	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01811	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00330	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16614	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00291	ND	0.05	mg/L	

N = 12

------ SWMU=FTA Method=Organics Analyte=Methyl ethyl ketone (2-Butanone) ------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	.0033660	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.004	.0040000	DET	0.01	mg/L	J
Table 1 Phase II	SW8240	L	.	.0034331	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	.0003181	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0018010	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0004012	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0020809	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0036716	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0010067	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0018780	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0016762	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0020024	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	.0030436	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	.0007887	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	.0021148	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Methyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0045985	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0035761	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0089527	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0019204	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Methyl methanesulfonate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00402	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00472	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00811	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00851	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03807	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00614	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10728	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03750	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Methylene chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	0.10000	0.10000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	0.00076	0.00076	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00940	0.00940	DET	0.025	mg/L	J
Table 1 Phase II	SW8240	L	0.00110	0.00110	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00230	0.00230	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00092	0.00092	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00095	0.00095	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00240	0.00240	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00190	0.00190	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00080	0.00080	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.00180	0.00180	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.12000	0.12000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	0.00078	0.00078	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	0.06000	0.06000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	0.02200	0.02200	DET	0.120	mg/L	J

N = 15

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-butylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0004268	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0013733	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0051639	ND	0.01	mg/L	

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-butylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.000708	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003422	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.007252	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003721	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009260	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.030001	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.005660	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.076109	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.009407	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-propylamine ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00417	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00080	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00548	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00363	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00633	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00873	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00211	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00291	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.04877	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00977	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16730	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04700	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0096274	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0039354	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0035790	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0016880	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0050144	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiethylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00086	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00208	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00110	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.08179	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00027	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12221	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03981	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodimethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00878	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00345	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00921	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00352	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00435	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00894	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00530	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00296	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16653	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00922	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03540	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04671	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0052724	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0062811	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0028161	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0072325	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0063055	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0045489	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0065307	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiphenylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00502	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03310	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00040	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13500	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04999	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=N-Nitrosomethylethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00128	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00710	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00202	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00011	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00864	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00325	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00102	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00423	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.10652	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00785	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01633	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03978	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosomorpholine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00302	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00322	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00983	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00231	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00053	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00979	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00774	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00362	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13068	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosomorpholine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00091	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.19601	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00785	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopiperidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00123	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00988	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00738	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00325	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00652	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00969	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00993	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00943	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14020	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00386	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.06316	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04917	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopyrrolidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00519	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00026	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00068	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00125	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00140	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00901	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00163	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00811	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14656	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00155	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.08995	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopyrrolidine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.021059	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Naphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00163	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.0036	0.00360	DET	0.01	mg/L	J
Table 1 Phase II	SW8270	L	.	0.00296	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00280	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00209	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00291	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00031	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00251	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.1700	0.17000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.00332	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.2300	0.23000	DET	0.20	mg/L	
Table 1 Phase II	SW8270	L	0.2000	0.20000	DET	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Nitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00472	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00060	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00168	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00294	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00126	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00544	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00538	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00143	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01613	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00145	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12761	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01572	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pentachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00107	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00700	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00427	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00570	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00312	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00046	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00463	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00134	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.07020	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00043	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16213	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02430	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pentachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00801	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00664	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00173	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00262	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00818	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00327	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00537	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00996	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.08727	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00079	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18152	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00751	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pentachloronitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.019168	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.038939	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.012077	ND	0.05	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Pentachloronitrobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.04653	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.01024	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.04954	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.03783	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.00651	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.42698	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.00328	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.21811	ND	1.00	mg/L	
Table 1 Phase II	SW8270	L	.	0.13611	ND	0.25	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pentachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002075	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.000991	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.021081	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.013011	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.007539	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.000375	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.000165	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	.	0.001068	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	0.051	0.051000	DET	1.00	mg/L	J
Table 1 Phase II	SW8270	L	.	0.003269	ND	0.05	mg/L	
Table 1 Phase II	SW8270	L	0.099	0.099000	DET	1.00	mg/L	J
Table 1 Phase II	SW8270	L	0.025	0.025000	DET	0.25	mg/L	J

N = 12

---------- SWMU=FTA Method=Organics Analyte=Phenacetin ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0048302	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0090731	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0099591	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0008099	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0007636	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Phenacetin ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.005614	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001144	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009444	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.053394	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.004193	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.065723	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.008512	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Phenanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00810	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00024	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00511	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00318	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00437	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00450	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00763	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00806	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14772	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00091	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00653	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.01254	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Phenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0013569	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0082993	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0022598	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0047547	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0064373	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0075104	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0050776	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Phenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.002833	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.026	0.026000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	.	0.003487	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.022	0.022000	DET	0.20	mg/L	J
Table 1 Phase II	SW8270	L	0.010	0.010000	DET	0.05	mg/L	J

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pronamide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00715	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00578	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00281	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00527	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00223	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00986	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00829	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00767	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00918	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00987	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.18349	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.03170	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00049	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00144	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00272	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00035	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00497	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00997	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00190	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00822	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.12454	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Pyrene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00512	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17671	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00981	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Pyridine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00508	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01590	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00448	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01118	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01555	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.01761	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00331	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.00331	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.28815	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.01210	ND	0.02	mg/L	
Table 1 Phase II	SW8270	L	.	0.19978	ND	0.40	mg/L	
Table 1 Phase II	SW8270	L	.	0.06392	ND	0.10	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Safrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00209	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00635	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00246	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00985	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00494	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00126	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00416	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00607	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.01484	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00572	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.15857	ND	0.20	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Safrole ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.00071587	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Styrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.22610	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00055	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.01357	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00060	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00464	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00241	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00381	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00325	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00271	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00288	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00185	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.11400	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00452	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.08014	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.02772	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.056712	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.001336	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.015596	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.003058	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.003675	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001279	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.002851	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.001695	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.000482	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.004561	ND	0.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00283	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.05172	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00399	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.15444	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.08467	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Toluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	1.50000	1.50000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	0.00069	0.00069	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00008	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	0.00730	0.00730	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00060	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00025	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00036	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00049	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00057	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00043	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00045	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.36000	0.36000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00063	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00029	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00065	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Total xylenes ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	2.90000	2.90000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	0.00056	0.00056	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00048	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	0.00780	0.00780	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.01600	0.01600	DET	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00019	ND	0.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Total xylenes ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	0.0012	0.00120	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00027	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00032	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00048	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00032	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.5600	0.56000	DET	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00011	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.0300	0.03000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	0.0120	0.01200	DET	0.120	mg/L	J

N = 15

---------- SWMU=FTA Method=Organics Analyte=Trichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	0.1200	0.12000	DET	0.250	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00210	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00043	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	0.0047	0.00470	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00182	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00202	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00073	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00144	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00162	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00028	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	0.0021	0.00210	DET	0.005	mg/L	J
Table 1 Phase II	SW8240	L	.	0.00005	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00074	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00131	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00072	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Vinyl acetate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.24700	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00697	ND	0.01	mg/L	

---------- SWMU=FTA Method=Organics Analyte=Vinyl acetate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.04958	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00006	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00637	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00000	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00584	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00480	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00982	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00149	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00892	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.37410	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00437	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.17091	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.23319	ND	0.25	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Vinyl chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.11378	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00269	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.03357	ND	0.05	mg/L	
Table 1 Phase II	SW8240	L	.	0.00296	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00238	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00741	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00221	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00368	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00637	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00540	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.00210	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.20561	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.00344	ND	0.01	mg/L	
Table 1 Phase II	SW8240	L	.	0.02057	ND	0.50	mg/L	
Table 1 Phase II	SW8240	L	.	0.05572	ND	0.25	mg/L	

N = 15

--------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethoxy)methane ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00208	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00606	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00227	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00228	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00425	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00942	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00776	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00151	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03524	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00678	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17765	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.02800	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethyl) ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00739	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00792	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00909	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00110	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00190	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00467	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00773	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00098	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03160	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00454	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.14039	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00507	ND	0.05	mg/L	

N = 12

-------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroisopropyl)ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.00038338	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.00080962	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.00092497	ND	0.01	mg/L	

-------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroisopropyl)ether ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0000968	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0008442	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.0013	.0013000	DET	0.01	mg/L	J
Table 1 Phase II	SW8270	L	.	.0008922	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0011527	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0012193	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	.0007304	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0005173	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	.0004541	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=bis(2-Ethylhexyl)phthalate ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.001362	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003515	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000653	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004560	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.009879	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.003256	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.000121	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	0.017	0.017000	DET	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.004877	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.007865	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.001773	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.010237	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=cis-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.16264	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00028	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02399	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00491	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00108	ND	0.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=cis-1,3-Dichloropropene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00152	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00103	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00460	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00108	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00048	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00239	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.12610	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00015	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.12359	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.11742	ND	0.120	mg/L	

N = 15

---------- SWMU=FTA Method=Organics Analyte=o-Toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00718	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00885	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00821	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00412	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00883	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00102	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00225	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00061	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.16747	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00248	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.17654	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04216	ND	0.05	mg/L	

N = 12

--------- SWMU=FTA Method=Organics Analyte=p-Dimethylaminoazobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.0025200	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0008541	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0086314	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	.0054586	ND	0.01	mg/L	

--------- SWMU=FTA Method=Organics Analyte=p-Dimethylaminoazobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	0.00432	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00220	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00611	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.00315	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.03319	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.00543	ND	0.01	mg/L	
Table 1 Phase II	SW8270	L	.	0.13828	ND	0.20	mg/L	
Table 1 Phase II	SW8270	L	.	0.04748	ND	0.05	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=p-Phenylenediamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	
Table 1 Phase II	SW8270	L	.	.	ND	.	mg/L	

N = 12

---------- SWMU=FTA Method=Organics Analyte=trans-1,2-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	.0033080	ND	.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0030823	ND	.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0007679	ND	.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0010202	ND	.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0035631	ND	.005	mg/L	
Table 1 Phase II	SW8240	L	.	.0043735	ND	.005	mg/L	

---------- SWMU=FTA Method=Organics Analyte=trans-1,2-Dichloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00352	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00257	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00366	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00002	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00391	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.01997	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00104	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.16363	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.07498	ND	0.120	mg/L	

N = 15

--------- SWMU=FTA Method=Organics Analyte=trans-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	L	.	0.00604	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00030	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00309	ND	0.025	mg/L	
Table 1 Phase II	SW8240	L	.	0.00120	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00006	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00119	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00052	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00354	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00138	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00385	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.00051	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.19087	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.00362	ND	0.005	mg/L	
Table 1 Phase II	SW8240	L	.	0.02573	ND	0.250	mg/L	
Table 1 Phase II	SW8240	L	.	0.03955	ND	0.120	mg/L	

N = 15

Attachment A.1-3
Surface Soil Raw Data For COPCs

---------- SWMU=FTA Method=Inorganics Analyte=Arsenic ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7060	S	10.5	10.5	DET	0.277	mg/kg	
Table 2 Phase I	SW7060	S	3.9	3.9	DET	0.368	mg/kg	

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Barium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	227.0	227.0	DET	0.0571	mg/kg	B
Table 2 Phase I	SW6010	S	92.2	92.2	DET	0.0550	mg/kg	B

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Cadmium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	0.3440	0.3440	DET	0.283	mg/kg	B
Table 2 Phase I	SW6010	S	0.0836	0.0836	DET	0.273	mg/kg	BJ

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Chromium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	25.3	25.3	DET	0.269	mg/kg	B
Table 2 Phase I	SW6010	S	12.7	12.7	DET	0.259	mg/kg	B

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Lead ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7421	S	19.80	19.80	DET	0.817	mg/kg	SB
Table 2 Phase I	SW7421	S	6.99	6.99	DET	0.217	mg/kg	SB

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Mercury ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7471	S	-0.0174	-0.0174	DET	0.0167	mg/kg	J
Table 2 Phase I	SW7471	S	-0.0104	-0.0104	DET	0.0167	mg/kg	J

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Selenium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7740	S	1.51	1.51	DET	0.210	mg/kg	
Table 2 Phase I	SW7740	S	2.27	2.27	DET	0.278	mg/kg	

N = 2

---------- SWMU=FTA Method=Inorganics Analyte=Silver ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	-1.070	-1.070	DET	0.181	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.662	-0.662	DET	0.174	mg/kg	BJ

N = 2

---------- SWMU=FTA Method=Organics Analyte=1,1,1-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00093	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00386	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00312	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00184	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00404	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.0049	0.00490	DET	0.0320	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00170	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00352	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00025	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00200	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00070	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00331	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00274	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00256	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.55470	ND	1.1000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00296	ND	0.0161	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=1,1,2,2-Tetrachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00517	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00425	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00003	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00408	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00384	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01357	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00197	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00582	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00015	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00363	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00320	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01684	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00261	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01744	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	1.42203	ND	2.2400	mg/kg	
Table 2 Phase I	SW8240	S	.	0.02236	ND	0.0259	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,1,2-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00597	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00237	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00476	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00215	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00201	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02037	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00165	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00526	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00098	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00362	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01406	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01760	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00011	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00498	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	1.00760	ND	1.34000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00016	ND	0.00599	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00001	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00195	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00420	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00195	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00068	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02740	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00082	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00604	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00132	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00083	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02131	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00251	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00135	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01716	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.50675	ND	1.2800	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00204	ND	0.0125	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00449	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00050	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00411	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00207	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00487	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02159	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00110	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00198	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00146	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00258	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00369	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02012	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00185	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00096	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	1.65880	ND	1.8100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00001	ND	0.0198	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=1,2,4,5-Tetrachlorobenzene ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.26911	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34313	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03558	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12823	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27472	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35213	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.86981	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.44304	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28799	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08118	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20858	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02909	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11156	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05193	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=1,2,4-Trichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.21748	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16600	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20842	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02465	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33696	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35637	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42593	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38591	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32836	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02725	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18068	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10487	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19090	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03548	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02898	ND	0.0614	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,2-Dibromoethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	1.00576	ND	1.26000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00045	ND	0.00527	mg/kg	

N = 2

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.14545	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24274	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02464	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32125	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01133	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38982	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77755	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29806	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22289	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21511	ND	0.35	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichlorobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.21401	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18479	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28257	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02578	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00302	ND	0.0858	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00378	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00194	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00119	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00265	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00390	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02315	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00186	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00507	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00345	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00209	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00373	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02185	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00014	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00052	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	1.08873	ND	1.91000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00094	ND	0.00628	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethene (total) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	.0010304	ND	.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	.0031930	ND	.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	.0044063	ND	.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	.0009356	ND	.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	.0043313	ND	.0056	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethene (total) ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.018472	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000742	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002901	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004418	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001102	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001419	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.019638	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002564	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.023679	ND	0.0270	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloropropane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00462	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00438	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	..	0.00408	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00516	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00353	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02514	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00335	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00601	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00062	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00526	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02127	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00590	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00106	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01596	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.36545	ND	1.1900	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00386	ND	0.0107	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,3-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.38592	ND	0.39	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,3-Dichlorobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.09758	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10647	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10443	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11596	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00656	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35639	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77675	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05514	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31885	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16325	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35645	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24022	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22884	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01689	ND	0.0781	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,3-Dinitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.38907	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30379	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16548	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32682	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12225	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39873	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34976	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52297	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18596	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00181	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18282	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15096	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11250	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25277	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=1,4-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30938	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33785	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34267	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13009	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14790	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20759	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93323	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31449	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31965	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24360	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05839	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29188	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27660	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02310	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07605	ND	0.102	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=1,4-Naphthoquinone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.26339	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07033	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20840	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00742	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10471	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24050	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30989	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62843	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09131	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05582	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20426	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14441	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28601	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00368	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=1-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.28978	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10372	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36557	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24015	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14956	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17547	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16022	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48266	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31184	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24842	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15175	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34550	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32171	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02833	ND	0.36	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=2,3,4,6-Tetrachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.85391	ND	1.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.75434	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20906	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.67133	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47070	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	1.87023	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.27084	ND	7.1	mg/kg	
Table 1 Phase II	SW8270	S	.	2.45853	ND	3.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51157	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15469	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	1.33208	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.95695	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12530	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05655	ND	1.7	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=2,4,5-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.95493	ND	1.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.89243	ND	1.8000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42202	ND	1.8000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26260	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72831	ND	1.8000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.84286	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.32177	ND	7.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.62838	ND	3.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72800	ND	1.8000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41589	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.60285	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28363	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.35367	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.35711	ND	1.7000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03169	ND	0.0768	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,4,6-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.27829	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35676	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20299	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14935	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25292	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24499	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.64280	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24396	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03667	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27725	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17786	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35826	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13083	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05360	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06266	ND	0.0915	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,4-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.15576	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20419	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13438	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25870	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36773	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03996	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43703	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49647	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05034	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19104	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15039	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08136	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11811	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15079	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10932	ND	0.122	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,4-Dimethylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.09192	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23438	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11110	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11339	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15244	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19609	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52888	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29056	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37409	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15676	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20062	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04951	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32988	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05966	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05604	ND	0.113	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.33025	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.75274	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.47623	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93844	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54188	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.36375	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.43872	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	2.82080	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08842	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.90598	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.01024	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22451	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.97703	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60065	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02188	ND	0.156	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.23241	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02793	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27850	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26165	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25886	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17637	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12304	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27666	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04714	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00368	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32828	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28065	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13072	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07344	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06155	ND	0.0955	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2,6-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.27686	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03628	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14922	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02261	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09193	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08649	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23807	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29383	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07609	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13138	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08410	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28938	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01469	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35112	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=2,6-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.32892	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19297	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34883	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14082	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26395	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14786	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.06937	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40386	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22747	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07140	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08560	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33315	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19722	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32755	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08059	ND	0.104	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Acetylaminofluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.90642	ND	3.9	mg/kg	
Table 1 Phase II	SW8270	S	.	2.87883	ND	3.7	mg/kg	
Table 1 Phase II	SW8270	S	.	3.04667	ND	3.7	mg/kg	
Table 1 Phase II	SW8270	S	.	1.55807	ND	3.5	mg/kg	
Table 1 Phase II	SW8270	S	.	2.44028	ND	3.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99463	ND	4.2	mg/kg	
Table 1 Phase II	SW8270	S	.	8.98963	ND	15.0	mg/kg	
Table 1 Phase II	SW8270	S	.	6.33083	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	2.69272	ND	3.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12818	ND	3.5	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72515	ND	3.4	mg/kg	
Table 1 Phase II	SW8270	S	.	2.55715	ND	3.6	mg/kg	
Table 1 Phase II	SW8270	S	.	2.50220	ND	3.5	mg/kg	
Table 1 Phase II	SW8270	S	.	1.87880	ND	3.6	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=2-Chloroethyl vinyl ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00180	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00348	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00294	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00005	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00275	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00159	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00416	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00565	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00418	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00147	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01050	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04956	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00462	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01305	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.24005	ND	0.6940	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01206	ND	0.0363	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=2-Chloronaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.09901	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21819	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30214	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25420	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04871	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36817	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17016	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47036	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07118	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31374	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01171	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14623	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34483	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23021	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00892	ND	0.0918	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Chlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.10787	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32493	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17033	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18591	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17413	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33184	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28787	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29220	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12409	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08969	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23163	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05195	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33778	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26220	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06943	ND	0.079	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Hexanone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.01073	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00588	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00406	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00042	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00525	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00308	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00770	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00655	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00576	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01046	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02311	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03039	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00609	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03845	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.93051	ND	2.1400	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01715	ND	0.0207	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=2-Methylnaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	0.160	0.16000	DET	0.3900	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.06981	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06791	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03819	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04310	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07526	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07319	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	0.083	0.08300	DET	0.8100	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.02773	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00350	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03973	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07883	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04666	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05879	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	6.170	6.17000	DET	0.0811	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.16825	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14640	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34543	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06478	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05361	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15881	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39800	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51208	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10655	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06549	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26983	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19384	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33709	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29346	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01387	ND	0.0439	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.08672	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16353	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21906	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30694	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21265	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41211	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92059	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25728	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30753	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29539	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05611	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01891	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12140	NO	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00085	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=2-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.20472	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.61566	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.51066	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14227	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.14350	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.07149	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.22399	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.68041	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20263	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.60751	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.21443	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.95050	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.11356	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.71049	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10295	ND	0.103	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.32506	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10735	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13374	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16811	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04769	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30736	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08216	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28710	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25015	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21487	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03889	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19094	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06061	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13909	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04657	ND	0.104	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=2-Picoline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.34018	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24716	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33488	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.201D1	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30993	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15268	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18516	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34342	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22184	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31553	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01182	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00444	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26311	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10361	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dichlorobenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.31669	ND	0.790	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50289	ND	0.730	mg/kg	
Table 1 Phase II	SW8270	S	.	0.44605	ND	0.740	mg/kg	
Table 1 Phase II	SW8270	S	.	0.58526	ND	0.710	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25282	ND	0.740	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28234	ND	0.840	mg/kg	
Table 1 Phase II	SW8270	S	.	0.89251	ND	2.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.02773	ND	1.600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05539	ND	0.760	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24885	ND	0.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31242	ND	0.690	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37267	ND	0.720	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27717	ND	0.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60536	ND	0.710	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04515	ND	0.125	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dimethylbenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.17462	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21514	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10909	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02587	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03791	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10645	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31169	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.59904	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35638	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05045	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04997	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26784	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16116	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18524	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=3-Methylcholanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.11324	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34791	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19037	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12763	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18213	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07463	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25663	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32899	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05304	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17083	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05245	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24039	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29147	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10376	ND	0.36	mg/kg	

N = 14

------- SWMU=FTA Method=Organics Analyte=3-Methylphenol/4-Methylphenol --------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30241	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33029	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08852	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06708	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09528	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05480	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15746	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18503	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28528	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01040	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01871	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10303	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25524	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31922	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	0.197	0.19700	DET	0.0509	mg/kg	F

N = 15

---------- SWMU=FTA Method=Organics Analyte=3-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.55549	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.78658	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28059	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21600	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52542	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30766	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.65431	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.25214	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.79202	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.27766	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24465	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02271	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.53543	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.23039	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02413	ND	0.109	mg/kg	

N = 15

--------- SWMU=FTA Method=Organics Analyte=4,6-Dinitro-2-methylphenol ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.03721	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07285	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28259	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55877	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44306	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77284	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	5.08539	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58980	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49843	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.87755	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.67579	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21971	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04732	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33934	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11687	ND	0.137	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Aminobiphenyl ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.21256	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23321	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10465	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27766	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27294	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16110	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78843	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63254	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26441	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20854	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01316	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30850	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33488	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28731	ND	0.36	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=4-Bromophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.23966	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00518	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01708	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10442	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10526	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12045	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.73745	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17410	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17946	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07822	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13882	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01722	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24409	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21108	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01435	ND	0.0585	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Chloro-3-methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.15439	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07164	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24412	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30093	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35196	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17443	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29878	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54593	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15223	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15359	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05644	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32851	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20982	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24205	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03968	ND	0.0559	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Chloroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.34382	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28082	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26411	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09465	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07130	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36688	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37882	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35854	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15954	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14098	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21453	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15956	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22547	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24130	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10118	ND	0.131	mg/kg	

N = 15

-------- SWMU=FTA Method=Organics Analyte=4-Chlorophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.14241	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15113	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34367	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14964	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31439	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07082	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80982	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52359	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08447	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26000	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06777	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27099	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34042	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31227	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01190	ND	0.0653	mg/kg	

N = 15

-------- SWMU=FTA Method=Organics Analyte=4-Methyl-2-pentanone (MIBK) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00015	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.0019	0.00190	DET	0.0110	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00012	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.0006	0.00060	DET	0.0110	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00013	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.0024	0.00240	DET	0.0640	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00058	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00055	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.0016	0.00160	DET	0.0110	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00037	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00029	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00005	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00018	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00014	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.13993	ND	1.8500	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00987	ND	0.0116	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=4-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.84853	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43298	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93706	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.65608	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21907	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.08774	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.73918	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	3.78665	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.38922	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.13067	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32960	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39365	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18645	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.83367	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06983	ND	0.152	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.38497	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.17686	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15698	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29353	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.45225	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17328	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.74728	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.48916	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.85072	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24263	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52495	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.60356	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.95297	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.09812	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11282	ND	0.162	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=4-Nitroquinoline-N-oxide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=5-Nitro-o-toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.27538	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15032	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15667	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11787	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00286	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38842	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17393	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22064	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22931	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19812	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02802	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09024	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11872	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11396	ND	0.36	mg/kg	

N = 14

------ SWMU=FTA Method=Organics Analyte=7,12-Dimethylbenz(a)-anthracene -------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.04331	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16002	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05157	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27426	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30984	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26709	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43956	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28036	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10550	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23687	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19075	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23560	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23263	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02494	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Acenaphthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.19112	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16456	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02817	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16800	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19623	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02376	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48712	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54355	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30065	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21115	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08015	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34437	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16166	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29597	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08756	ND	0.0893	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Acenaphthylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29637	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17294	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35127	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26392	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28904	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10101	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46173	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04107	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06437	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15920	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12110	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05645	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33774	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07338	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Drganics Analyte=Acetone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.210	0.21000	DET	0.012	mg/kg	
Table 1 Phase II	SW8240	S	0.052	0.05200	DET	0.011	mg/kg	
Table 1 Phase II	SW8240	S	0.042	0.04200	DET	0.011	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01093	ND	0.011	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00417	ND	0.011	mg/kg	
Table 1 Phase II	SW8240	S	0.760	0.76000	DET	0.064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00354	ND	0.011	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00198	ND	0.012	mg/kg	
Table 1 Phase II	SW8240	S	0.015	0.01500	DET	0.011	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00699	ND	0.011	mg/kg	
Table 1 Phase II	SW8240	S	0.012	0.01200	DET	0.052	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00535	ND	0.054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00276	ND	0.011	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00088	ND	0.054	mg/kg	
Table 2 Phase I	SW8240	S	.	0.27635	ND	2.890	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01684	ND	0.178	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Acetophenone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.35661	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31335	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16903	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18463	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17427	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11428	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.19290	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.61719	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04066	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07635	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15016	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08575	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05711	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10555	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02847	ND	0.0718	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Aniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.36267	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35178	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22798	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34220	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29741	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32150	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04022	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27330	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02032	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09436	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12015	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30113	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07347	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18681	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01921	ND	0.0872	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.21324	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34181	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19291	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21788	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09213	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37555	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.46412	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.67118	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35628	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08144	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14839	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03527	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31357	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00912	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05796	ND	0.107	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Aramite ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.33186	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23890	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08384	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06385	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21561	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36101	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42092	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03120	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17487	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07487	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09936	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32154	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01595	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21847	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Benzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.02200	0.02200	DET	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00075	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00062	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00064	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00064	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	0.00430	0.00430	DET	0.0320	mg/kg	J
Table 1 Phase II	SW8240	S	0.00076	0.00076	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00050	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00055	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00069	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00027	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00008	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00025	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00017	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	6.77000	6.77000	DET	2.5000	mg/kg	
Table 2 Phase I	SW8240	S	1.00000	1.00000	DET	0.0109	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.026238	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.048645	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.062211	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.040313	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.060841	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.019488	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.052531	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.048231	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.018459	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.050649	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.016520	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.028178	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.047720	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	0.063	0.063000	DET	0.360	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.026749	ND	0.083	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.063148	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.026563	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.049780	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.012045	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.069896	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.034283	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.036663	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.042866	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.028263	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.049684	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.064239	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.037891	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.008900	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	0.074	0.074000	DET	0.360	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.053035	ND	0.111	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzo(b)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.005302	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.087938	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.036912	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.014060	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.005529	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.048810	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.058845	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.058828	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.007965	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.026959	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.085227	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.074385	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.046437	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	0.089	0.089000	DET	0.360	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.038120	ND	0.147	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzo(g,h,i)perylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.006302	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.046486	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.021564	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.001076	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.015822	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.002213	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.067711	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.003182	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.074343	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.026603	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.014812	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.045590	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.001427	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	0.077	0.077000	DET	0.360	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.057573	ND	0.158	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzo(k)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.35246	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24498	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28855	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13058	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08205	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31801	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.49771	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40240	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21211	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07687	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29368	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03824	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12204	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12042	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01462	ND	0.154	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Benzoic acid ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	1.93401	ND	3.64	mg/kg	

N = 1

---------- SWMU=FTA Method=Organics Analyte=Benzyl alcohol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29400	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04323	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30865	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09044	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26604	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30040	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41919	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.70550	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06394	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04928	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17847	ND	0.34	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Benzyl alcohol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.25603	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14947	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12380	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02409	ND	0.0751	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Bromodichloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00501	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00175	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00074	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00098	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00475	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01361	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00033	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00166	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00445	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00011	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01778	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00563	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00451	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00095	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	1.35624	ND	1.5900	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00875	ND	0.0246	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Bromoform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.005418	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003374	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002074	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004074	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001880	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.010027	ND	0.0320	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Bromoform ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00198	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00048	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00133	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00080	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01056	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02157	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00198	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00894	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.10483	ND	1.4200	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01173	ND	0.0126	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Bromomethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.01039	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00917	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00460	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01014	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00650	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02256	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00405	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00584	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00778	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00557	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03190	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00100	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00998	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00762	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	2.06810	ND	2.5500	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00402	ND	0.0178	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Butylbenzylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.38506	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12054	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24933	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10379	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03187	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28129	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.79927	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80360	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08998	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18875	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23205	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16436	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32661	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21892	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02377	ND	0.255	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Carbon disulfide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.003996	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003404	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003002	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000373	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.005304	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.009963	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001927	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003447	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001720	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004320	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.012503	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.013189	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004630	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.019185	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001249	ND	2.3500	mg/kg	
Table 2 Phase I	SW8240	S	0.0194	0.019400	DET	0.0290	mg/kg	J

N = 16

---------- SWMU=FTA Method=Organics Analyte=Carbon tetrachloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00255	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00365	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00212	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00414	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00024	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01411	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00416	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00193	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00468	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00518	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00109	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01537	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00181	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02087	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.70424	ND	1.8900	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00207	ND	0.0141	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Chlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00445	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00042	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00442	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00406	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00540	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00047	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00359	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00577	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00136	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00156	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02366	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01879	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00067	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01697	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.61278	ND	1.51000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00628	ND	0.00838	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Chloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00527	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00561	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00521	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00345	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00765	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00037	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00839	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01083	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00956	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00168	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01271	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00308	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00483	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01337	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	1.18763	ND	2.2800	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00188	ND	0.0167	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Chloroform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00010	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00072	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00154	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00373	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00428	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00145	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00025	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00170	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00513	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00079	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01065	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00627	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00209	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00422	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.93018	ND	1.01000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00313	ND	0.00917	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Chloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.003077	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002098	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.0042	0.004200	DET	0.0110	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.003577	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000265	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004029	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000410	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002763	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003349	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000941	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001495	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001949	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000137	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000683	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.092520	ND	1.9400	mg/kg	
Table 2 Phase I	SW8240	S	.	0.012709	ND	0.0157	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Chrysene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.010038	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.010527	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.054118	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.061280	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.016379	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.043248	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.028647	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.066360	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.069486	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.022853	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.048768	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.011996	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.022901	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	0.0700	0.070000	DET	0.360	mg/kg	J
Table 2 Phase I	SW8270	S	0.0742	0.074200	DET	0.138	mg/kg	J

N = 15

---------- SWMU=FTA Method=Organics Analyte=Di-n-butylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.013604	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.033707	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.017610	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.013725	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	0.049	0.049000	DET	0.3700	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.025694	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.027978	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.009392	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.016726	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.011858	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.020074	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.015515	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.004479	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.040474	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.056834	ND	0.0691	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Di-n-octylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.03315	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22430	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32496	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24321	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28682	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10619	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66633	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17203	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01639	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14424	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31527	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20139	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05681	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27256	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05321	ND	0.072	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Dibenz(a,h)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.36315	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16486	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12713	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06895	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29031	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18532	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43533	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43073	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10330	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25232	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25712	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28748	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04296	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23981	ND	0.36	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11811	ND	0.14	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Dibenzofuran ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.14295	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23304	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19091	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11489	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16932	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04964	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.09950	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51460	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13405	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00018	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00536	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01861	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31865	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31911	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05680	ND	0.0774	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Dibromochloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00443	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00451	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00002	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00270	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00163	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02175	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00421	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00177	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00531	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00181	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01266	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01233	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00156	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01935	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.70537	ND	1.13000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00476	ND	0.00615	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Dibromomethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	1.13892	ND	1.30000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00506	ND	0.00751	mg/kg	

N = 2

---------- SWMU=FTA Method=Organics Analyte=Diethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.38085	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16310	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25478	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31603	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15681	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11930	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.53803	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55528	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37124	ND	0.38	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Diethylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.11478	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31668	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19417	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20842	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14982	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00409	ND	0.0354	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Dimethylphenethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.22325	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18421	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12587	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29851	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28011	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08375	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.88013	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.56170	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15597	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29258	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08090	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19627	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14582	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17467	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02236	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03013	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17623	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27542	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29211	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34289	ND	0.42	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.34871	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.73994	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29884	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26931	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23835	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32925	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01136	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28340	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00466	ND	0.0626	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Diphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.08544	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28919	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10448	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15009	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17077	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41464	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37977	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78028	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25627	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24435	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13526	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04935	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24427	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25729	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06867	ND	0.126	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Ethyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.33233	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33063	ND	0.37	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Ethyl methanesulfonate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.25183	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07075	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30402	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30834	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93012	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54053	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36777	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00577	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04380	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16519	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03699	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29423	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Ethylbenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.0910	0.0910	DET	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	0.0010	0.0010	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0006	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	0.0011	0.0011	DET	0.0054	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0001	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0003	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	0.0770	0.0770	DET	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0008	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	0.0008	0.0008	DET	0.0057	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0006	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0004	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0001	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0003	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0001	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	31.0000	31.0000	DET	1.6600	mg/kg	
Table 2 Phase I	SW8240	S	63.0000	63.0000	DET	0.8230	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.037002	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.081192	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.006657	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.073562	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.089942	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.076134	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.005801	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.042795	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.078444	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.055860	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.013014	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.048199	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.000743	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	0.09	0.090000	DET	0.3600	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.002061	ND	0.0823	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Fluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.15393	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32684	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07107	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27303	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04633	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31527	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39529	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01369	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15482	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31634	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32338	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13573	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34886	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34742	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04704	ND	0.0641	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29917	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32986	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10933	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08862	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19333	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24915	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.03541	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24514	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36982	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25415	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17617	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03862	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11405	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18467	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03188	ND	0.0769	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobutadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.33753	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34494	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34562	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30398	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23236	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03429	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.91763	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27804	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10168	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25040	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11380	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30872	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07161	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21127	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14319	ND	0.144	mg/kg	

N = 15

--------- SWMU=FTA Method=Organics Analyte=Hexachlorocyclopentadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02038	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32896	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31827	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33053	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15596	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28270	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78200	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05735	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37743	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16806	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01399	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31350	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23551	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16296	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00865	ND	0.166	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Hexachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02586	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19993	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03104	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16382	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17642	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07257	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.97209	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.61471	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16233	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23267	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06231	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13933	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19964	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34071	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06725	ND	0.0771	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Hexachlorophene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Hexachloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.11558	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15734	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04649	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16911	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25235	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20185	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.84752	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03360	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31493	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29672	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13710	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13890	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03707	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05238	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Hydrocarbons ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	E418.1	S	11600	11600	DET	348	mg/kg	B
Table 2 Phase I	E418.1	S	16000	16000	DET	693	mg/kg	B

N = 2

---------- SWMU=FTA Method=Organics Analyte=Indene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.038754	ND	0.0893	mg/kg	

N = 1

---------- SWMU=FTA Method=Organics Analyte=Indeno(1,2,3-cd)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.32524	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13401	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35102	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08927	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21401	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32787	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.13983	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02569	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25527	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27925	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01369	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34706	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25152	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10349	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03355	ND	0.123	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Isophorone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.25028	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03338	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12908	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19783	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21052	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05554	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42602	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15455	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22932	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07117	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25241	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19987	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20032	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13022	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00048	ND	0.0451	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Isosafrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.50607	ND	0.79	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39091	ND	0.73	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63888	ND	0.74	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05379	ND	0.71	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39975	ND	0.74	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47718	ND	0.84	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42445	ND	2.90	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52706	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03513	ND	0.76	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60409	ND	0.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.67089	ND	0.69	mg/kg	
Table 1 Phase II	SW8270	S	.	0.64376	ND	0.72	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38626	ND	0.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09792	ND	0.71	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Methapyriline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.13782	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17212	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07551	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27022	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02868	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00274	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35950	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36610	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04438	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30689	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18490	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33351	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27453	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13508	ND	0.36	mg/kg	

N = 14

------ SWMU=FTA Method=Organics Analyte=Methyl ethyl ketone (2-Butanone) ------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00777	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00240	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00277	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00876	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00618	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01118	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00768	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00728	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00992	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00137	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05117	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00989	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00845	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00042	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	1.85902	ND	2.8200	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00642	ND	0.0236	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Methyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.15560	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18810	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20428	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27978	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29841	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04920	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31683	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00927	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11293	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04678	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23914	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22299	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24140	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18025	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Methylene chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.0035	0.00350	DET	0.00600	mg/kg	J
Table 1 Phase II	SW8240	S	0.0032	0.00320	DET	0.00550	mg/kg	J
Table 1 Phase II	SW8240	S	0.0033	0.00330	DET	0.00560	mg/kg	J
Table 1 Phase II	SW8240	S	0.0059	0.00590	DET	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	0.0036	0.00360	DET	0.00560	mg/kg	J
Table 1 Phase II	SW8240	S	0.0250	0.02500	DET	0.03200	mg/kg	J
Table 1 Phase II	SW8240	S	0.0038	0.00380	DET	0.00550	mg/kg	J
Table 1 Phase II	SW8240	S	0.0046	0.00460	DET	0.00610	mg/kg	J
Table 1 Phase II	SW8240	S	0.0045	0.00450	DET	0.00570	mg/kg	J
Table 1 Phase II	SW8240	S	0.0062	0.00620	DET	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	0.0090	0.00900	DET	0.02600	mg/kg	J
Table 1 Phase II	SW8240	S	0.0086	0.00860	DET	0.02700	mg/kg	J
Table 1 Phase II	SW8240	S	0.0068	0.00680	DET	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	0.0080	0.00800	DET	0.02700	mg/kg	J
Table 2 Phase I	SW8240	S	.	2.75070	ND	2.79000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00530	ND	0.00997	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-butylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.00197	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09327	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17591	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28120	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20947	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04259	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24125	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.58983	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17699	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19298	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31161	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14143	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12449	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35330	ND	0.36	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-propylamine ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.20931	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21904	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23041	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08431	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09636	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31183	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30771	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66478	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31606	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13552	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31097	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32101	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21638	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24991	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01794	ND	0.0861	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.09176	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08596	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07216	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13689	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07004	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04745	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.46336	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31509	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20671	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31932	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06390	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23201	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34895	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19200	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodimethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.04220	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36173	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20251	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17291	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35526	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35339	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47734	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.79374	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26922	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00572	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30437	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25649	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22760	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05240	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.12530	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29457	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14438	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27490	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33430	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01014	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.97591	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03106	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37995	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09044	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00396	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03011	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26748	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11071	ND	0.36	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=N-Nitrosomethylethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.23933	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16625	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26359	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16643	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15960	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20617	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55187	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55586	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35119	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05449	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18429	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29895	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33267	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17956	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosomorpholine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29025	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34375	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34814	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02122	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09863	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03683	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.64618	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47478	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06863	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20901	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10642	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26382	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15104	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03859	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopiperidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.13473	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06460	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00478	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15124	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13225	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12175	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50000	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54764	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23911	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12573	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25321	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23772	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09116	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29535	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopyrrolidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.32655	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09248	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24418	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25568	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08011	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09038	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.31556	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15162	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21302	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19557	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15985	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13588	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19782	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32019	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Naphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	0.053	0.05300	DET	0.390	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.04348	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04732	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01166	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01396	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00657	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04290	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00149	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04432	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02478	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01147	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03000	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00554	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02752	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	3.850	3.85000	DET	0.108	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Nitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.10188	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11089	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36819	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17523	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01366	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00461	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63773	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52255	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21407	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01329	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33359	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07973	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21941	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05247	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00365	ND	0.0613	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Pentachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.03868	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04589	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25417	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19428	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04366	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13178	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.41847	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60063	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34897	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00311	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06079	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29378	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13619	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11195	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Pentachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02524	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28961	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31374	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19245	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03398	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31229	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.17242	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.75209	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05195	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26195	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32796	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24295	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26354	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09724	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Pentachloronitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.37668	ND	1.9	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42449	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50283	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25417	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38182	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04384	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18075	ND	7.1	mg/kg	
Table 1 Phase II	SW8270	S	.	3.40192	ND	3.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.89145	ND	1.8	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93321	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	1.53710	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.56908	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26036	ND	1.7	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31688	ND	1.7	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Pentachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.72514	ND	1.900	mg/kg	
Table 1 Phase II	SW8270	S	.	1.73050	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41459	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.03787	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.24377	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	1.49979	ND	2.000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.94113	ND	7.100	mg/kg	
Table 1 Phase II	SW8270	S	.	2.71452	ND	3.900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.67530	ND	1.800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62100	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.03597	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35437	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05536	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08013	ND	1.700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05257	ND	0.133	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Phenacetin ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.12533	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29912	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07886	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14321	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02751	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06239	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.30141	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.57732	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16664	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06670	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01598	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29511	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12587	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05265	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Phenanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.00511	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03771	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01109	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02232	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02507	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02312	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01824	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02824	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01006	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00676	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01978	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03560	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01046	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	0.041	0.04100	DET	0.3600	mg/kg	J
Table 2 Phase I	SW8270	S	0.303	0.30300	DET	0.0922	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Phenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.38497	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35969	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15172	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30801	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02112	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23873	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	1.21743	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63551	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37169	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30899	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00315	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19212	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22501	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25448	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00196	ND	0.052	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=Pronamide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.32898	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06141	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01054	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03302	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18814	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16187	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	1.05317	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.71760	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15278	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07780	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05996	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27307	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04989	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11700	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.075151	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.022899	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.089041	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.017436	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.030598	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.017992	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.067546	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.086592	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.074002	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.096707	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.078204	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.006555	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.006484	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	0.0970	0.097000	DET	0.3600	mg/kg	J
Table 2 Phase I	SW8270	S	0.0923	0.092300	DET	0.0988	mg/kg	J

N = 15

---------- SWMU=FTA Method=Organics Analyte=Pyridine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.48690	ND	0.79	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03377	ND	0.73	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43029	ND	0.74	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51225	ND	0.71	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36410	ND	0.74	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10530	ND	0.84	mg/kg	
Table 1 Phase II	SW8270	S	.	2.88658	ND	2.90	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20399	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42180	ND	0.76	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06252	ND	0.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20462	ND	0.69	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10061	ND	0.72	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23666	ND	0.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48155	ND	0.71	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Safrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.22998	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28298	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20705	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16315	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33423	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31303	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.87559	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.57648	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07294	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33146	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24304	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05946	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02906	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06657	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=Styrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00311	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00068	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00383	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00383	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00102	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00729	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00199	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00501	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00257	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00270	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02216	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02322	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00289	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00239	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	1.08093	ND	1.1900	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00386	ND	0.0121	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=TRPH ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	E418.1	S	.	2.35	ND	27.3	mg/kg	
Table 1 Phase II	E418.1	S	1060	1060.00	DET	48.1	mg/kg	
Table 1 Phase II	E418.1	S	.	18.88	ND	22.7	mg/kg	
Table 1 Phase II	E418.1	S	.	10.15	ND	26.5	mg/kg	
Table 1 Phase II	E418.1	S	.	13.07	ND	25.7	mg/kg	
Table 1 Phase II	E418.1	S	2400	2400.00	DET	90.1	mg/kg	
Table 1 Phase II	E418.1	S	5330	5330.00	DET	235.0	mg/kg	
Table 1 Phase II	E418.1	S	11500	11500.00	DET	600.0	mg/kg	
Table 1 Phase II	E418.1	S	.	4.18	ND	26.8	mg/kg	
Table 1 Phase II	E418.1	S	.	8.37	ND	25.2	mg/kg	

N = 10

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	.0045464	ND	.006	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00068	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00304	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00114	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00529	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00247	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00543	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00457	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00268	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00129	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01547	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02096	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00389	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02322	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.63250	ND	1.7900	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00831	ND	0.0182	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Toluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.1200	0.1200	DET	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	0.0016	0.0016	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	0.0010	0.0010	DET	0.0056	mg/kg	J
Table 1 Phase II	SW8240	S	0.0027	0.0027	DET	0.0054	mg/kg	J
Table 1 Phase II	SW8240	S	0.0006	0.0006	DET	0.0056	mg/kg	J
Table 1 Phase II	SW8240	S	0.0160	0.0160	DET	0.0320	mg/kg	J
Table 1 Phase II	SW8240	S	0.0022	0.0022	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0002	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	0.0006	0.0006	DET	0.0057	mg/kg	J
Table 1 Phase II	SW8240	S	0.0004	0.0004	DET	0.0053	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0002	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0001	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	0.0004	0.0004	DET	0.0053	mg/kg	J
Table 1 Phase II	SW8240	S	0.0200	0.0200	DET	0.0270	mg/kg	J
Table 2 Phase I	SW8240	S	8.1100	8.1100	DET	1.0400	mg/kg	
Table 2 Phase I	SW8240	S	58.5000	58.5000	DET	0.5160	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Total xylenes ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.160	0.160	DET	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	0.003	0.003	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	0.003	0.003	DET	0.0054	mg/kg	J
Table 1 Phase II	SW8240	S	0.001	0.001	DET	0.0056	mg/kg	J
Table 1 Phase II	SW8240	S	0.019	0.019	DET	0.0320	mg/kg	J
Table 1 Phase II	SW8240	S	0.010	0.010	DET	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	0.005	0.005	DET	0.0061	mg/kg	J
Table 1 Phase II	SW8240	S	0.003	0.003	DET	0.0057	mg/kg	J
Table 1 Phase II	SW8240	S	0.000	0.000	DET	0.0053	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	0.000	0.000	DET	0.0053	mg/kg	J
Table 1 Phase II	SW8240	S	0.002	0.002	DET	0.0270	mg/kg	J
Table 2 Phase I	SW8240	S	58.900	58.900	DET	3.2300	mg/kg	B
Table 2 Phase I	SW8240	S	119.000	119.000	DET	1.2800	mg/kg	B

N = 16

---------- SWMU=FTA Method=Organics Analyte=Trichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00015	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.00066	0.00066	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.00100	0.00100	DET	0.0056	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00057	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.00081	0.00081	DET	0.0056	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00032	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.00130	0.00130	DET	0.0055	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00018	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00050	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00005	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00028	ND	0.0260	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00015	ND	0.0270	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00054	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00016	ND	0.0270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.74773	ND	1.3500	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01332	ND	0.0201	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Vinyl acetate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00355	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00698	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01095	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00179	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00605	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03316	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00224	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00651	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	D.D0398	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00140	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02986	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03438	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01012	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01910	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.70305	ND	0.8190	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00553	ND	0.0186	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Vinyl chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.01143	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01017	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01066	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00495	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00694	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00675	ND	0.0640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00702	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01149	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00601	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00719	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03579	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05226	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00504	ND	0.0110	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05047	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	0.87724	ND	2.0300	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01569	ND	0.0204	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethoxy)methane ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29062	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10579	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03653	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23197	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06899	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04946	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.17381	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80307	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33916	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34841	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18732	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11470	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11436	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07028	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02229	ND	0.0883	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethyl) ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.19905	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36289	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19661	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22395	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11454	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07031	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72076	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02731	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18027	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12979	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08926	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19360	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08605	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31422	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05726	ND	0.0681	mg/kg	

N = 15

-------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroisopropyl)ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.31880	ND	0.3900	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00041	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01522	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25896	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09941	ND	0.3700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34765	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00617	ND	1.5000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06544	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27453	ND	0.3800	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15889	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22782	ND	0.3400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33608	ND	0.3600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15026	ND	0.3500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19379	ND	0.3600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01276	ND	0.0619	mg/kg	

N = 15

--------- SWMU=FTA Method=Organics Analyte=bis(2-Ethylhexyl)phthalate ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.28177	ND	0.390	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01815	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27934	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10184	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25823	ND	0.370	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16725	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32891	ND	1.500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48291	ND	0.810	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12933	ND	0.380	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24280	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10627	ND	0.340	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10975	ND	0.360	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00689	ND	0.350	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26726	ND	0.360	mg/kg	
Table 2 Phase I	SW8270	S	1.15	1.15000	DET	0.371	mg/kg	

N = 15

---------- SWMU=FTA Method=Organics Analyte=cis-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00577	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00029	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00099	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00498	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00014	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00801	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00352	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00242	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00328	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00252	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01615	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01368	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00307	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02212	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	1.10628	ND	1.23000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00457	ND	0.00611	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=o-Toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.29561	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05686	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15718	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00137	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34491	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04605	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30131	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72917	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01906	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16617	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18973	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11432	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27684	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21161	ND	0.36	mg/kg	

N = 14

--------- SWMU=FTA Method=Organics Analyte=p-Dimethylaminoazobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02927	ND	0.39	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33444	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03731	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32724	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12623	ND	0.37	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32571	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.56014	ND	1.50	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63461	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15861	ND	0.38	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17588	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32527	ND	0.34	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32892	ND	0.36	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00416	ND	0.35	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07158	ND	0.36	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=p-Phenylenediamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 14

---------- SWMU=FTA Method=Organics Analyte=trans-1,2-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00103	ND	0.0060	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00497	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00113	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00500	ND	0.0054	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00384	ND	0.0056	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02799	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00113	ND	0.0055	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00176	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00101	ND	0.0057	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00242	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04162	ND	0.0520	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02233	ND	0.0540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00020	ND	0.0053	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05151	ND	0.0540	mg/kg	
Table 2 Phase I	SW8240	S	.	1.07659	ND	1.1800	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00686	ND	0.0194	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=trans-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00155	ND	0.00600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00508	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00460	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00155	ND	0.00540	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00338	ND	0.00560	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01105	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00085	ND	0.00550	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00493	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00021	ND	0.00570	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00391	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02257	ND	0.02600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01289	ND	0.02700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00303	ND	0.00530	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00797	ND	0.02700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.34518	ND	1.32000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00743	ND	0.00889	mg/kg	

N = 16

Attachment A.1.4
Subsurface Soil Raw Data For COPCs

---------- SWMU=FTA Method=Inorganics Analyte=Arsenic ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7060	S	0.493	0.493	DET	0.364	mg/kg	
Table 2 Phase I	SW7060	S	-5.210	-5.210	DET	0.352	mg/kg	J
Table 2 Phase I	SW7060	S	-1.010	-1.010	DET	0.257	mg/kg	J
Table 2 Phase I	SW7060	S	-3.890	-3.890	DET	0.376	mg/kg	J
Table 2 Phase I	SW7060	S	-3.040	-3.040	DET	0.263	mg/kg	J
Table 2 Phase I	SW7060	S	2.180	2.180	DET	0.343	mg/kg	
Table 2 Phase I	SW7060	S	0.173	0.173	DET	0.244	mg/kg	J
Table 2 Phase I	SW7060	S	0.213	0.213	DET	0.200	mg/kg	
Table 2 Phase I	SW7060	S	7.180	7.180	DET	0.265	mg/kg	
Table 2 Phase I	SW7060	S	2.680	2.680	DET	0.325	mg/kg	
Table 2 Phase I	SW7060	S	-0.119	-0.119	DET	0.277	mg/kg	J
Table 2 Phase I	SW7060	S	2.130	2.130	DET	0.316	mg/kg	
Table 2 Phase I	SW7060	S	2.010	2.010	DET	0.371	mg/kg	
Table 2 Phase I	SW7060	S	-1.450	-1.450	DET	0.247	mg/kg	J
Table 2 Phase I	SW7060	S	-1.190	-1.190	DET	0.267	mg/kg	J
Table 2 Phase I	SW7060	S	1.580	1.580	DET	0.404	mg/kg	

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Barium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	120.0	120.0	DET	0.0588	mg/kg	
Table 2 Phase I	SW6010	S	134.0	134.0	DET	0.0660	mg/kg	
Table 2 Phase I	SW6010	S	52.3	52.3	DET	0.0493	mg/kg	
Table 2 Phase I	SW6010	S	74.3	74.3	DET	0.0639	mg/kg	
Table 2 Phase I	SW6010	S	44.3	44.3	DET	0.0501	mg/kg	
Table 2 Phase I	SW6010	S	58.0	58.0	DET	0.0616	mg/kg	
Table 2 Phase I	SW6010	S	58.1	58.1	DET	0.0437	mg/kg	
Table 2 Phase I	SW6010	S	42.5	42.5	DET	0.0492	mg/kg	
Table 2 Phase I	SW6010	S	109.0	109.0	DET	0.0506	mg/kg	B
Table 2 Phase I	SW6010	S	87.1	87.1	DET	0.0591	mg/kg	B
Table 2 Phase I	SW6010	S	19.7	19.7	DET	0.0382	mg/kg	B
Table 2 Phase I	SW6010	S	30.1	30.1	DET	0.0452	mg/kg	B
Table 2 Phase I	SW6010	S	121.0	121.0	DET	0.0706	mg/kg	
Table 2 Phase I	SW6010	S	81.6	81.6	DET	0.0509	mg/kg	
Table 2 Phase I	SW6010	S	96.5	96.5	DET	0.0546	mg/kg	
Table 2 Phase I	SW6010	S	122.0	122.0	DET	0.0723	mg/kg	

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Cadmium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	0.17300	0.17300	DET	0.292	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.08090	0.08090	DET	0.327	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.00681	-0.00681	DET	0.244	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.24000	0.24000	DET	0.317	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.25500	0.25500	DET	0.248	mg/kg	B
Table 2 Phase I	SW6010	S	-0.14200	-0.14200	DET	0.306	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.08150	-0.08150	DET	0.217	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.11000	-0.11000	DET	0.244	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.06120	0.06120	DET	0.251	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.24900	0.24900	DET	0.293	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.12000	-0.12000	DET	0.189	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.09990	-0.09990	DET	0.224	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.21000	0.21000	DET	0.350	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.00176	-0.00176	DET	0.252	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.24900	0.24900	DET	0.270	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.13700	-0.13700	DET	0.358	mg/kg	BJ

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Chromium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	16.20	16.20	DET	0.277	mg/kg	B
Table 2 Phase I	SW6010	S	18.50	18.50	DET	0.311	mg/kg	B
Table 2 Phase I	SW6010	S	9.45	9.45	DET	0.232	mg/kg	B
Table 2 Phase I	SW6010	S	12.80	12.80	DET	0.301	mg/kg	B
Table 2 Phase I	SW6010	S	5.14	5.14	DET	0.236	mg/kg	B
Table 2 Phase I	SW6010	S	12.10	12.10	DET	0.291	mg/kg	B
Table 2 Phase I	SW6010	S	9.37	9.37	DET	0.206	mg/kg	B
Table 2 Phase I	SW6010	S	7.76	7.76	DET	0.232	mg/kg	B
Table 2 Phase I	SW6010	S	19.70	19.70	DET	0.239	mg/kg	B
Table 2 Phase I	SW6010	S	10.50	10.50	DET	0.278	mg/kg	B
Table 2 Phase I	SW6010	S	4.00	4.00	DET	0.180	mg/kg	B
Table 2 Phase I	SW6010	S	6.74	6.74	DET	0.213	mg/kg	B
Table 2 Phase I	SW6010	S	14.10	14.10	DET	0.333	mg/kg	B
Table 2 Phase I	SW6010	S	10.70	10.70	DET	0.240	mg/kg	B
Table 2 Phase I	SW6010	S	13.90	13.90	DET	0.257	mg/kg	B
Table 2 Phase I	SW6010	S	17.50	17.50	DET	0.341	mg/kg	B

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Lead ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7421	S	7.59	7.59	DET	0.1280	mg/kg	S
Table 2 Phase I	SW7421	S	9.82	9.82	DET	0.1220	mg/kg	SB
Table 2 Phase I	SW7421	S	3.66	3.66	DET	0.0899	mg/kg	S
Table 2 Phase I	SW7421	S	3.97	3.97	DET	0.1300	mg/kg	S
Table 2 Phase I	SW7421	S	1.07	1.07	DET	0.0915	mg/kg	SB
Table 2 Phase I	SW7421	S	4.21	4.21	DET	0.1190	mg/kg	SB
Table 2 Phase I	SW7421	S	3.97	3.97	DET	0.0846	mg/kg	S
Table 2 Phase I	SW7421	S	1.85	1.85	DET	0.0714	mg/kg	SB
Table 2 Phase I	SW7421	S	8.82	8.82	DET	0.3120	mg/kg	SB
Table 2 Phase I	SW7421	S	2.75	2.75	DET	0.0959	mg/kg	SB
Table 2 Phase I	SW7421	S	1.99	1.99	DET	0.0817	mg/kg	SB
Table 2 Phase I	SW7421	S	1.66	1.66	DET	0.0930	mg/kg	SB
Table 2 Phase I	SW7421	S	6.12	6.12	DET	0.1290	mg/kg	SB
Table 2 Phase I	SW7421	S	3.04	3.04	DET	0.0863	mg/kg	SB
Table 2 Phase I	SW7421	S	4.71	4.71	DET	0.0924	mg/kg	SB
Table 2 Phase I	SW7421	S	6.24	6.24	DET	0.1390	mg/kg	SB

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Mercury ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7471	S	-0.00820	-0.00820	DET	0.0197	mg/kg	BJ
Table 2 Phase I	SW7471	S	0.02160	0.02160	DET	0.0207	mg/kg	B
Table 2 Phase I	SW7471	S	-0.01510	-0.01510	DET	0.0145	mg/kg	BJ
Table 2 Phase I	SW7471	S	-0.00862	-0.00862	DET	0.0207	mg/kg	BJ
Table 2 Phase I	SW7471	S	0.00000	0.00000	DET	0.0154	mg/kg	BJ
Table 2 Phase I	SW7471	S	-0.00820	-0.00820	DET	0.0197	mg/kg	BJ
Table 2 Phase I	SW7471	S	0.00915	0.00915	DET	0.0146	mg/kg	BJ
Table 2 Phase I	SW7471	S	0.02080	0.02080	DET	0.0143	mg/kg	B
Table 2 Phase I	SW7471	S	-0.01520	-0.01520	DET	0.0146	mg/kg	J
Table 2 Phase I	SW7471	S	-0.00987	-0.00987	DET	0.0158	mg/kg	J
Table 2 Phase I	SW7471	S	-0.02270	-0.02270	DET	0.0136	mg/kg	J
Table 2 Phase I	SW7471	S	-0.03420	-0.03420	DET	0.0164	mg/kg	J
Table 2 Phase I	SW7471	S	0.01170	0.01170	DET	0.0188	mg/kg	BJ
Table 2 Phase I	SW7471	S	-0.00926	-0.00926	DET	0.0148	mg/kg	BJ
Table 2 Phase I	SW7471	S	-0.02190	-0.02190	DET	0.0150	mg/kg	BJ
Table 2 Phase I	SW7471	S	0.04630	0.04630	DET	0.0222	mg/kg	B

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Selenium ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW7740	S	3.1100	3.1100	DET	0.328	mg/kg	
Table 2 Phase I	SW7740	S	4.6300	4.6300	DET	0.314	mg/kg	
Table 2 Phase I	SW7740	S	2.3800	2.3800	DET	0.231	mg/kg	
Table 2 Phase I	SW7740	S	2.4900	2.4900	DET	0.333	mg/kg	
Table 2 Phase I	SW7740	S	1.0500	1.0500	DET	0.235	mg/kg	
Table 2 Phase I	SW7740	S	2.8200	2.8200	DET	0.307	mg/kg	
Table 2 Phase I	SW7740	S	1.8400	1.8400	DET	0.217	mg/kg	
Table 2 Phase I	SW7740	S	0.8650	0.8650	DET	0.182	mg/kg	
Table 2 Phase I	SW7740	S	2.8600	2.8600	DET	0.199	mg/kg	
Table 2 Phase I	SW7740	S	2.7900	2.7900	DET	0.246	mg/kg	
Table 2 Phase I	SW7740	S	0.1611	0.1611	DET	0.211	mg/kg	J
Table 2 Phase I	SW7740	S	2.0600	2.0600	DET	0.238	mg/kg	
Table 2 Phase I	SW7740	S	2.5700	2.5700	DET	0.331	mg/kg	
Table 2 Phase I	SW7740	S	2.1300	2.1300	DET	0.221	mg/kg	
Table 2 Phase I	SW7740	S	1.7900	1.7900	DET	0.237	mg/kg	
Table 2 Phase I	SW7740	S	2.6500	2.6500	DET	0.357	mg/kg	

N = 16

---------- SWMU=FTA Method=Inorganics Analyte=Silver ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW6010	S	-1.540	-1.540	DET	0.186	mg/kg	J
Table 2 Phase I	SW6010	S	-2.650	-2.650	DET	0.209	mg/kg	J
Table 2 Phase I	SW6010	S	-1.180	-1.180	DET	0.156	mg/kg	J
Table 2 Phase I	SW6010	S	-2.600	-2.600	DET	0.202	mg/kg	J
Table 2 Phase I	SW6010	S	-1.230	-1.230	DET	0.158	mg/kg	J
Table 2 Phase I	SW6010	S	-1.270	-1.270	DET	0.195	mg/kg	J
Table 2 Phase I	SW6010	S	-1.190	-1.190	DET	0.138	mg/kg	J
Table 2 Phase I	SW6010	S	-1.440	-1.440	DET	0.155	mg/kg	J
Table 2 Phase I	SW6010	S	-0.808	-0.808	DET	0.160	mg/kg	BJ
Table 2 Phase I	SW6010	S	-0.170	-0.170	DET	0.187	mg/kg	BJ
Table 2 Phase I	SW6010	S	0.149	0.149	DET	0.121	mg/kg	B
Table 2 Phase I	SW6010	S	0.102	0.102	DET	0.143	mg/kg	BJ
Table 2 Phase I	SW6010	S	-3.340	-3.340	DET	0.223	mg/kg	J
Table 2 Phase I	SW6010	S	-1.780	-1.780	DET	0.161	mg/kg	J
Table 2 Phase I	SW6010	S	-1.930	-1.930	DET	0.172	mg/kg	J
Table 2 Phase I	SW6010	S	-2.340	-2.340	DET	0.228	mg/kg	J

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,1,1-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.03804	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02132	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00597	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00194	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00032	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02030	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	0.042	0.04200	DET	0.63000	mg/kg	J
Table 1 Phase II	SW8240	S	2.000	2.00000	DET	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00488	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02541	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00536	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00448	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00010	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00401	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00574	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00371	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00093	ND	0.00254	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00213	ND	0.00271	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00033	ND	0.00919	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00244	ND	0.00270	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00083	ND	0.00202	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00099	ND	0.00258	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00582	ND	0.00950	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00771	ND	0.00928	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00150	ND	0.00189	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00005	ND	0.00208	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00009	ND	0.00178	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00965	ND	0.01490	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00008	ND	0.00245	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00108	ND	0.00195	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00168	ND	0.00196	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01147	ND	0.01380	mg/kg	

N = 32

--------- SWMU=FTA Method=Organics Analyte=1,1,2,2-Tetrachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.13230	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00477	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	1.15558	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00222	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00415	ND	0.0062	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=1,1,2,2-Tetrachloroethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.02695	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.19215	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.45006	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00244	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	6.06217	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00193	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00564	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00072	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00575	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00255	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04402	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00383	ND	0.00691	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00350	ND	0.00735	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.02090	ND	0.02490	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00645	ND	0.00732	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00459	ND	0.00548	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00270	ND	0.00700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00307	ND	0.02580	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.02344	ND	0.02520	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00299	ND	0.00514	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00055	ND	0.00564	mg/kg	
Table 2 Phase I	SWB240	S	.	0.00058	ND	0.00484	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01814	ND	0.02400	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00649	ND	0.00664	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00302	ND	0.00529	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00241	ND	0.00533	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00570	ND	0.03750	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=1,1,2-Trichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.30734	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00566	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.12271	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00164	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00320	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01764	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.37286	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.34345	ND	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00453	ND	0.0067	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,1,2-Trichloroethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	4.41704	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00294	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00382	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00573	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00357	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00253	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04515	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00041	ND	0.00208	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00140	ND	0.00221	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00661	ND	0.00750	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00015	ND	0.00220	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00012	ND	0.00165	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00127	ND	0.00211	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00081	ND	0.00776	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00124	ND	0.00757	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00100	ND	0.00155	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00103	ND	0.00170	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00040	ND	0.00146	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00523	ND	0.00555	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00068	ND	0.00200	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00144	ND	0.00159	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00087	ND	0.00160	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00229	ND	0.01130	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.042740	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.053231	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001191	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001712	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002565	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.012785	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.029095	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	0.057	0.057000	DET	0.6500	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.002155	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	.	0.055632	ND	6.1000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002974	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.005605	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.004337	ND	0.0061	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.007007	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.003401	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.024648	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002080	ND	0.00233	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000472	ND	0.00249	mg/kg	
Table 2 Phase I	SW8240	S	.	0.004224	ND	0.00843	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.001254	ND	0.00247	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000312	ND	0.00185	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000982	ND	0.00237	mg/kg	
Table 2 Phase I	SW8240	S	.	0.005923	ND	0.00872	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000876	ND	0.00851	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000662	ND	0.00174	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001723	ND	0.00191	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001092	ND	0.00164	mg/kg	
Table 2 Phase I	SW8240	S	.	0.004540	ND	0.01160	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001996	ND	0.00224	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001737	ND	0.00179	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001411	ND	0.00180	mg/kg	
Table 2 Phase I	SW8240	S	.	0.011996	ND	0.01270	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.11671	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03503	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.06496	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00240	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00445	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00411	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.06576	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	0.12	0.12000	DET	0.65000	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00194	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00246	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00458	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00347	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00408	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00294	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00071	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04301	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00160	ND	0.00349	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,1-Dichloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0012757	ND	0.00372	mg/kg	
Table 2 Phase I	SW8240	S	.	.0058842	ND	0.01260	mg/kg	X
Table 2 Phase I	SW8240	S	.	.0030170	ND	0.00370	mg/kg	
Table 2 Phase I	SW8240	S	.	.0025161	ND	0.00277	mg/kg	
Table 2 Phase I	SW8240	S	.	.0033140	ND	0.00354	mg/kg	
Table 2 Phase I	SW8240	S	.	.0046463	ND	0.01310	mg/kg	
Table 2 Phase I	SW8240	S	.	.0093081	ND	0.01270	mg/kg	
Table 2 Phase I	SW8240	S	.	.0010612	ND	0.00260	mg/kg	
Table 2 Phase I	SW8240	S	.	.0004839	ND	0.00286	mg/kg	
Table 2 Phase I	SW8240	S	.	.0018118	ND	0.00245	mg/kg	
Table 2 Phase I	SW8240	S	.	.0089859	ND	0.01830	mg/kg	
Table 2 Phase I	SW8240	S	.	.0011510	ND	0.00336	mg/kg	
Table 2 Phase I	SW8240	S	.	.0007844	ND	0.00268	mg/kg	
Table 2 Phase I	SW8240	S	.	.0006659	ND	0.00269	mg/kg	
Table 2 Phase I	SW8240	S	.	.0024693	ND	0.01900	mg/kg	

N = 32

--------- SWMU=FTA Method=Organics Analyte=1,2,4,5-Tetrachlorobenzene ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.19998	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.13100	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23111	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00065	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13209	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43540	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.05186	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29683	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21371	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47042	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34434	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05538	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16812	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12025	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14606	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31888	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,2,4-Trichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.95375	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.23796	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92083	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10714	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22805	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.38427	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.45853	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.53108	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29404	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22980	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40835	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01564	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19751	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03281	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69496	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35637	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19748	ND	0.7080	mg/kg	
Table 2 Phase I	SW8270	S	.	0.32679	ND	0.7210	mg/kg	
Table 2 Phase I	SW8270	S	.	0.33559	ND	0.5260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46064	ND	0.7590	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01823	ND	0.0243	mg/kg	
Table 2 Phase I	SW8270	S	.	0.38428	ND	0.4210	mg/kg	
Table 2 Phase I	SW8270	S	.	0.47232	ND	0.4880	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00899	ND	0.0194	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01654	ND	0.0168	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01848	ND	0.0202	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00431	ND	0.0184	mg/kg	
Table 2 Phase I	SW8270	S	.	0.61794	ND	0.7540	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=1,2-Dibromoethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0013689	ND	.00233	mg/kg	
Table 2 Phase I	SW8240	S	.	.0007760	ND	.00249	mg/kg	X
Table 2 Phase I	SW8240	S	.	.0074550	ND	.00843	mg/kg	
Table 2 Phase I	SW8240	S	.	.0011191	ND	.00247	mg/kg	
Table 2 Phase I	SW8240	S	.	.0002293	ND	.00185	mg/kg	
Table 2 Phase I	SW8240	S	.	.0015519	ND	.00237	mg/kg	
Table 2 Phase I	SW8240	S	.	.0086753	ND	.00872	mg/kg	X
Table 2 Phase I	SW8240	S	.	.0065475	ND	.00851	mg/kg	X
Table 2 Phase I	SW8240	S	.	.0000681	ND	.00174	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,2-Dibromoethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.001545	ND	0.00191	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000824	ND	0.00164	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000200	ND	0.00488	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001961	ND	0.00224	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000208	ND	0.00179	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000643	ND	0.00180	mg/kg	
Table 2 Phase I	SW8240	S	.	0.011655	ND	0.01270	mg/kg	X

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.42377	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38135	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.00205	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22045	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40668	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.81156	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42754	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15632	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25197	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51722	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00065	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07631	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24956	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31183	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20471	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14542	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.43290	ND	0.9880	mg/kg	
Table 2 Phase I	SW8270	S	.	0.92942	ND	1.0100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15063	ND	0.7350	mg/kg	
Table 2 Phase I	SW8270	S	.	0.58489	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03247	ND	0.0339	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09192	ND	0.5890	mg/kg	
Table 2 Phase I	SW8270	S	.	0.49029	ND	0.6810	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02190	ND	0.0271	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01184	ND	0.0235	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02373	ND	0.0282	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02197	ND	0.0256	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08349	ND	1.0500	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.51217	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02430	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.51132	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00134	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00292	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01736	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.12624	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.46051	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00087	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	4.56631	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00497	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00455	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00431	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00167	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00037	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04875	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00063	ND	0.00237	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00044	ND	0.00252	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00234	ND	0.00855	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00158	ND	0.00251	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00174	ND	0.00188	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00115	ND	0.00240	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00506	ND	0.00884	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00218	ND	0.00863	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00058	ND	0.00176	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00120	ND	0.00193	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00078	ND	0.00166	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00111	ND	0.00583	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00146	ND	0.00228	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00044	ND	0.00181	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00009	ND	0.00182	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00436	ND	0.01280	mg/kg	

N = 32

--------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethene (total) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.19805	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02054	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	1.24712	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00280	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00043	ND	0.0062	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=1,2-Dichloroethene (total) ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00698	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.33816	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.63046	ND	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00400	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	.	1.93837	ND	6.1000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00038	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00571	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00004	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00179	ND	0.0081	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00582	ND	0.0065	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01443	ND	0.0570	mg/kg	

N = 16

---------- SWMU=FTA Method=Drganics Analyte=1,2-Dichloropropane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.34410	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05658	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.13831	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00563	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00137	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02437	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.29949	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.20030	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00147	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	3.72364	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00360	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00357	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00172	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00488	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00285	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04740	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00242	ND	0.00357	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00125	ND	0.00381	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01133	ND	0.01290	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00088	ND	0.00379	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00048	ND	0.00284	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00145	ND	0.00362	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00299	ND	0.01340	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00707	ND	0.01300	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00220	ND	0.00266	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,2-Dichloropropane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.001612	ND	0.00292	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000718	ND	0.00250	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000263	ND	0.00991	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002864	ND	0.00344	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001973	ND	0.00274	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001659	ND	0.00276	mg/kg	
Table 2 Phase I	SW8240	S	.	0.013656	ND	0.01940	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=1,3-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.07113	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40116	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.28904	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43141	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10318	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.79814	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.71239	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.85100	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33480	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31548	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21676	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37985	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04475	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23343	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10286	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35272	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.43388	ND	0.8990	mg/kg	
Table 2 Phase I	SW8270	S	.	0.69812	ND	0.9160	mg/kg	
Table 2 Phase I	SW8270	S	.	0.43434	ND	0.6690	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52296	ND	0.9640	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01774	ND	0.0308	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19812	ND	0.5350	mg/kg	
Table 2 Phase I	SW8270	S	.	0.28271	ND	0.6200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02234	ND	0.0247	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00686	ND	0.0214	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00591	ND	0.0256	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00529	ND	0.0233	mg/kg	
Table 2 Phase I	SW8270	S	.	0.25589	ND	0.9580	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=1,3-Dinitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.86967	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.44609	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.23412	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12021	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23382	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.57643	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16404	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.55080	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24914	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33099	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32735	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25947	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28928	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04707	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.74247	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13733	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1,4-Dichlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.42170	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.85999	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.65717	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29040	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26876	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.56184	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72609	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.60671	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37875	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.53728	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19569	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23982	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35065	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24758	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16633	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37919	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23917	ND	1.1800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.03837	ND	1.2000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.84276	ND	0.8750	mg/kg	
Table 2 Phase I	SW8270	S	.	0.43845	ND	1.2600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02754	ND	0.0403	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1,4-Dichlorobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.54131	ND	0.7010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10771	ND	0.8110	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00081	ND	0.0323	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00988	ND	0.0280	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02100	ND	0.0336	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01044	ND	0.0305	mg/kg	
Table 2 Phase I	SW8270	S	.	0.61750	ND	1.2500	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=1,4-Naphthoquinone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.20431	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.96639	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02446	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29943	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00020	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99243	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.81593	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.66901	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06550	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.42678	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30676	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18340	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14015	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40109	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19569	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10221	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=1-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.08858	ND	4.6	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18411	ND	4.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04761	ND	4.4	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=1-Naphthylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.34833	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09057	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62534	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.08250	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.91802	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09255	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.65797	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14087	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01728	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09139	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27973	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04741	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36466	ND	0.38	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=2,3,4,6-Tetrachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	21.6102	ND	22.0	mg/kg	
Table 1 Phase II	SW8270	S	.	4.1212	ND	19.0	mg/kg	
Table 1 Phase II	SW8270	S	.	6.3802	ND	21.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.4740	ND	2.3	mg/kg	
Table 1 Phase II	SW8270	S	.	1.8390	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.7428	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	0.7805	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	3.9692	ND	8.3	mg/kg	
Table 1 Phase II	SW8270	S	.	1.0592	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2384	ND	7.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9887	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	2.0548	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	1.3232	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.2946	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6451	ND	4.2	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3673	ND	1.8	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=2,4,5-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	15.6777	ND	22.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	16.6192	ND	19.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	14.7881	ND	21.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1824	ND	2.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.4653	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0321	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.3387	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6631	ND	8.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.4358	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	5.1706	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.2497	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0507	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1206	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2595	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.0087	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0227	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.2109	ND	0.8850	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0945	ND	0.9010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.4662	ND	0.6580	mg/kg	
Table 2 Phase I	SW8270	S	.	0.2628	ND	0.9490	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0233	ND	0.0303	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0542	ND	0.5270	mg/kg	
Table 2 Phase I	SW8270	S	.	0.4657	ND	0.6100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0176	ND	0.0243	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0022	ND	0.0210	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0083	ND	0.0252	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0011	ND	0.0229	mg/kg	
Table 2 Phase I	SW8270	S	.	0.6011	ND	0.9430	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,4,6-Trichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.58510	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.91229	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.02252	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11200	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11404	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06646	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.65087	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.12184	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36560	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2,4,6-Trichlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.19990	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31116	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01610	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08633	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11092	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55259	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07509	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20807	ND	1.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.32526	ND	1.0700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.53309	ND	0.7840	mg/kg	
Table 2 Phase I	SW8270	S	.	0.26601	ND	1.1300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02584	ND	0.0361	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08522	ND	0.6270	mg/kg	
Table 2 Phase I	SW8270	S	.	0.26621	ND	0.7260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00579	ND	0.0289	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01161	ND	0.0251	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02062	ND	0.0301	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00834	ND	0.0273	mg/kg	
Table 2 Phase I	SW8270	S	.	0.29412	ND	1.1200	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,4-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.29386	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.41737	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.43129	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00826	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39995	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.57730	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55068	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22377	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18712	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34777	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10464	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08620	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02735	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31801	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29904	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11983	ND	0.38	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09215	ND	1.40	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2,4-Dichlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	1.22582	ND	1.4300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11957	ND	1.0400	mg/kg	
Table 2 Phase I	SW8270	S	.	1.17490	ND	1.5000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00672	ND	0.0480	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46349	ND	0.8330	mg/kg	
Table 2 Phase I	SW8270	S	.	0.82870	ND	0.9650	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02295	ND	0.0384	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01970	ND	0.0333	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00980	ND	0.0399	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00766	ND	0.0363	mg/kg	
Table 2 Phase I	SW8270	S	.	1.27273	ND	1.4900	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,4-Dimethylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.32318	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.30692	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.41253	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37004	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03793	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06464	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.12056	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33088	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30350	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99904	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31859	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29230	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01825	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06213	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23203	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28367	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.23556	ND	1.3000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.65268	ND	1.3200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00969	ND	0.9650	mg/kg	
Table 2 Phase I	SW8270	S	.	1.20096	ND	1.3900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04087	ND	0.0445	mg/kg	
Table 2 Phase I	SW8270	S	.	0.33777	ND	0.7730	mg/kg	
Table 2 Phase I	SW8270	S	.	0.45591	ND	0.8940	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02116	ND	0.0356	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01453	ND	0.0309	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2,4-Dimethylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.03490	ND	0.0370	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01924	ND	0.0336	mg/kg	
Table 2 Phase I	SW8270	S	.	0.45066	ND	1.3800	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	20.6682	ND	22.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	10.7735	ND	19.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.9826	ND	21.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6857	ND	2.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3981	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.4635	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.2359	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.2519	ND	8.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0022	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.1807	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.6968	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.5570	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.7287	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.4352	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.7908	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1074	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.9090	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	1.5624	ND	1.8300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.5293	ND	1.3400	mg/kg	
Table 2 Phase I	SW8270	S	.	1.6459	ND	1.9300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0371	ND	0.0617	mg/kg	
Table 2 Phase I	SW8270	S	.	0.9512	ND	1.0700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.3956	ND	1.2400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0374	ND	0.0495	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0363	ND	0.0428	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0302	ND	0.0514	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0112	ND	0.0467	mg/kg	
Table 2 Phase I	SW8270	S	.	0.3283	ND	1.9200	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,4-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.66962	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.62507	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.57757	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23445	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34182	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51330	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60308	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69462	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38419	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38323	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19676	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32548	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08834	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29866	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08672	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11876	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34923	ND	1.1000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23740	ND	1.1200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52725	ND	0.8180	mg/kg	
Table 2 Phase I	SW8270	S	.	1.15392	ND	1.1800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01779	ND	0.0377	mg/kg	
Table 2 Phase I	SW8270	S	.	0.13567	ND	0.6550	mg/kg	
Table 2 Phase I	SW8270	S	.	0.59089	ND	0.7580	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01947	ND	0.0302	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01529	ND	0.0262	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02411	ND	0.0314	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00415	ND	0.0285	mg/kg	
Table 2 Phase I	SW8270	S	.	1.00451	ND	1.1700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2,6-Dichlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.37328	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.37627	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20784	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08400	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39327	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.40077	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05613	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.74194	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03132	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2,6-Dichlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.85471	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12788	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12973	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40587	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35969	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77525	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27377	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=2,6-Dinitrotoluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.91026	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.45711	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.15775	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29306	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37541	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12104	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.05877	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14825	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16940	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.70610	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39565	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36185	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32861	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00457	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36658	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27353	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.77033	ND	1.2000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.27126	ND	1.2200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.25307	ND	0.8910	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01874	ND	1.2900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02415	ND	0.0411	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02793	ND	0.7140	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12760	ND	0.8260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00339	ND	0.0329	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00394	ND	0.0285	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03109	ND	0.0342	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01949	ND	0.0311	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52267	ND	1.2800	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Acetylaminofluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	25.9552	ND	46.0	mg/kg	
Table 1 Phase II	SW8270	S	.	11.0773	ND	40.0	mg/kg	
Table 1 Phase II	SW8270	S	.	33.8529	ND	44.0	mg/kg	
Table 1 Phase II	SW8270	S	.	2.1098	ND	4.7	mg/kg	
Table 1 Phase II	SW8270	S	.	1.9044	ND	4.1	mg/kg	
Table 1 Phase II	SW8270	S	.	12.2830	ND	17.0	mg/kg	
Table 1 Phase II	SW8270	S	.	15.4466	ND	17.0	mg/kg	
Table 1 Phase II	SW8270	S	.	15.5200	ND	17.0	mg/kg	
Table 1 Phase II	SW8270	S	.	2.4650	ND	4.4	mg/kg	
Table 1 Phase II	SW8270	S	.	3.0001	ND	16.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.8410	ND	4.1	mg/kg	
Table 1 Phase II	SW8270	S	.	3.6856	ND	4.2	mg/kg	
Table 1 Phase II	SW8270	S	.	2.4839	ND	4.1	mg/kg	
Table 1 Phase II	SW8270	S	.	4.2781	ND	4.3	mg/kg	
Table 1 Phase II	SW8270	S	.	2.0196	ND	8.6	mg/kg	
Table 1 Phase II	SW8270	S	.	3.6960	ND	3.8	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=2-Chloroethyl vinyl ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.57664	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00528	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	1.01554	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00680	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00179	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00517	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.37644	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.49994	ND	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00191	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	.	0.92234	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00081	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00563	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00130	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00048	ND	0.0081	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00537	ND	0.0065	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05565	ND	0.0570	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00113	ND	0.0039	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00318	ND	0.0042	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00364	ND	0.0141	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00199	ND	0.0041	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00256	ND	0.0031	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=2-Chloroethyl vinyl ether ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.001491	ND	0.00395	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001891	ND	0.01460	mg/kg	
Table 2 Phase I	SW8240	S	.	0.011983	ND	0.01420	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.002792	ND	0.00290	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002249	ND	0.00318	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002169	ND	0.00273	mg/kg	
Table 2 Phase I	SW8240	S	.	0.006100	ND	0.03370	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000690	ND	0.00375	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001108	ND	0.00299	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002081	ND	0.00300	mg/kg	
Table 2 Phase I	SW8240	S	.	0.013725	ND	0.02110	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=2-Chloronaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.94531	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.42396	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48338	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14368	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19152	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46467	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24945	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.56123	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00512	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26788	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32752	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33849	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38078	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29256	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18522	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32398	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21631	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.92062	ND	1.0800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.72345	ND	0.7860	mg/kg	
Table 2 Phase I	SW8270	S	.	0.56061	ND	1.1300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02030	ND	0.0362	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21603	ND	0.6290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.33251	ND	0.7280	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02500	ND	0.0290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01185	ND	0.0251	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2-Chloronaphthalene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.01042	ND	0.0302	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01470	ND	0.0274	mg/kg	
Table 2 Phase I	SW8270	S	.	0.71313	ND	1.1300	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Chlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.70698	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.64397	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.40531	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36252	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23290	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35374	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.54420	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43068	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30169	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.31478	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34414	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38121	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28816	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24348	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46404	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01722	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00733	ND	0.9100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.57771	ND	0.9270	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19409	ND	0.6770	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21288	ND	0.9760	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01837	ND	0.0312	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23390	ND	0.5420	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52334	ND	0.6270	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00161	ND	0.0250	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00581	ND	0.0216	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00836	ND	0.0260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00081	ND	0.0236	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09850	ND	0.9700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Hexanone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.94980	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05322	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.18843	ND	2.7000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00755	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01161	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.06237	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.62753	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.46379	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01046	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	2.32220	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00655	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00086	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00074	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01533	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01009	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.09654	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00010	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00074	ND	0.0014	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00045	ND	0.0047	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00087	ND	0.0014	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00012	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00039	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00333	ND	0.0049	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00257	ND	0.0048	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00090	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00095	ND	0.0011	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00063	ND	0.0009	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00205	ND	0.0192	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00116	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00037	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00062	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00529	ND	0.0071	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=2-Methylnaphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	10.0	10.0000	DET	4.60	mg/kg	
Table 1 Phase II	SW8270	S	2.1	2.1000	DET	4.00	mg/kg	J
Table 1 Phase II	SW8270	S	7.8	7.8000	DET	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3406	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3760	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2-Methylnaphthalene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	1.200	1.2000	DET	1.7000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.0798	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	17.000	17.0000	DET	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1730	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	8.600	8.6000	DET	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1585	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0297	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2228	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3263	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	7.900	7.9000	DET	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2075	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	13.200	13.2000	DET	0.9340	mg/kg	
Table 2 Phase I	SW8270	S	0.724	0.7240	DET	0.9520	mg/kg	J
Table 2 Phase I	SW8270	S	6.970	6.9700	DET	0.6950	mg/kg	
Table 2 Phase I	SW8270	S	1.240	1.2400	DET	1.0000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0004	ND	0.0320	mg/kg	
Table 2 Phase I	SW8270	S	22.000	22.0000	DET	0.5560	mg/kg	
Table 2 Phase I	SW8270	S	83.200	83.2000	DET	0.6440	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0104	ND	0.0257	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0105	ND	0.0222	mg/kg	
Table 2 Phase I	SW8270	S	1.490	1.4900	DET	0.0266	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0014	ND	0.0242	mg/kg	
Table 2 Phase I	SW8270	S	47.000	47.0000	DET	0.9960	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.90321	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.40927	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44314	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26523	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30844	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36568	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08561	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.98925	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36092	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44409	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29126	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12228	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40283	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2-Methylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.39674	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77104	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28841	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.37039	ND	0.5050	mg/kg	
Table 2 Phase I	SW8270	S	.	0.40670	ND	0.5150	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05687	ND	0.3760	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52961	ND	0.5420	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00923	ND	0.0173	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09815	ND	0.3010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.16029	ND	0.3480	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01317	ND	0.0139	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00642	ND	0.0120	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00480	ND	0.0144	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00898	ND	0.0131	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14674	ND	0.5390	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Naphthylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.66261	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.55255	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.33537	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08557	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13706	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.03095	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12154	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01067	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29806	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.41632	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04550	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09124	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18943	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02104	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69233	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11193	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=2-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	16.8276	ND	22.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	5.7999	ND	19.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	8.1349	ND	21.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1174	ND	2.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1411	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.1572	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.4703	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.4849	ND	8.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1657	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	7.7484	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9551	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1220	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.9034	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.7002	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.0630	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1960	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.8496	ND	1.1900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.2961	ND	1.2100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0581	ND	0.8830	mg/kg	
Table 2 Phase I	SW8270	S	.	0.9297	ND	1.2700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0399	ND	0.0407	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0988	ND	0.7070	mg/kg	
Table 2 Phase I	SW8270	S	.	0.7679	ND	0.8190	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0051	ND	0.0326	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0099	ND	0.0282	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0259	ND	0.0339	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0248	ND	0.0308	mg/kg	
Table 2 Phase I	SW8270	S	.	0.6767	ND	1.2700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.28349	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.34133	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.82125	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10870	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38010	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.27893	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.15633	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.21040	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11566	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=2-Nitrophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.86685	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23302	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01282	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10876	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27983	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28844	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21869	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.04460	ND	1.1900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20242	ND	1.2100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15351	ND	0.8870	mg/kg	
Table 2 Phase I	SW8270	S	.	1.02018	ND	1.2800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00613	ND	0.0409	mg/kg	
Table 2 Phase I	SW8270	S	.	0.62096	ND	0.7100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.59719	ND	0.8220	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02521	ND	0.0328	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00915	ND	0.0284	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01469	ND	0.0340	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01690	ND	0.0309	mg/kg	
Table 2 Phase I	SW8270	S	.	0.99082	ND	1.2700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=2-Picoline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.04266	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.29696	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.22383	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22869	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40489	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.59183	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39314	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18275	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35270	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39097	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23368	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11926	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27376	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08746	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78643	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36134	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dichlorobenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.26508	ND	9.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25954	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	7.24187	ND	8.8000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49506	ND	0.9500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15804	ND	0.8200	mg/kg	
Table 1 Phase II	SW8270	S	.	1.63321	ND	3.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.60634	ND	3.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.46392	ND	3.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48291	ND	0.8800	mg/kg	
Table 1 Phase II	SW8270	S	.	3.06784	ND	3.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63272	ND	0.8300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.59535	ND	0.8500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.44657	ND	0.8100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18434	ND	0.8500	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30728	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06691	ND	0.7600	mg/kg	
Table 2 Phase I	SW8270	S	.	1.11541	ND	1.4400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.95061	ND	1.4700	mg/kg	
Table 2 Phase I	SW8270	S	.	1.01607	ND	1.0700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.29439	ND	1.5400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01707	ND	0.0493	mg/kg	
Table 2 Phase I	SW8270	S	.	0.59181	ND	0.8570	mg/kg	
Table 2 Phase I	SW8270	S	.	0.40300	ND	0.9920	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00137	ND	0.0395	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01471	ND	0.0342	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03526	ND	0.0411	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00570	ND	0.0373	mg/kg	
Table 2 Phase I	SW8270	S	.	0.17782	ND	1.5300	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dimethylbenzidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.87459	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.98087	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32594	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18026	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38489	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15290	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03707	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12042	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15886	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=3,3'-Dimethylbenzidine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.50777	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40336	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06753	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12768	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12719	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77867	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24923	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=3-Methylcholanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.11596	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28382	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.35435	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09051	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03643	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.07100	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24583	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20620	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04479	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50099	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32195	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28198	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22124	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16510	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07362	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16068	ND	0.38	mg/kg	

N = 16

------- SWMU=FTA Method=Organics Analyte=3-Methylphenol/4-Methylphenol --------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.57157	ND	4.6	mg/kg	
Table 1 Phase II	SW8270	S	.	3.79967	ND	4.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41852	ND	4.4	mg/kg	

------- SWMU=FTA Method=Organics Analyte=3-Methylphenol/4-Methylphenol --------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.08199	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12807	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.30007	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66626	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.10417	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04810	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50290	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26799	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15723	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24402	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36945	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.58520	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36008	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.54522	ND	0.5870	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15859	ND	0.5980	mg/kg	
Table 2 Phase I	SW8270	S	.	0.30219	ND	0.4360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06708	ND	0.6290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01536	ND	0.0201	mg/kg	
Table 2 Phase I	SW8270	S	.	0.32717	ND	0.3490	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06802	ND	0.4040	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00810	ND	0.0161	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01078	ND	0.0140	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01429	ND	0.0167	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00379	ND	0.0152	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34540	ND	0.6250	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=3-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.8343	ND	22.0	mg/kg	
Table 1 Phase II	SW8270	S	.	6.8232	ND	19.0	mg/kg	
Table 1 Phase II	SW8270	S	.	13.9086	ND	21.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.6876	ND	2.3	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6764	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	5.4927	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	7.2890	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	2.9015	ND	8.3	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2607	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	7.4973	ND	7.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6604	ND	2.0	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=3-Nitroaniline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.28348	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.89359	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.34051	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.99247	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.50346	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.84577	ND	1.2500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.94097	ND	1.2800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.66375	ND	0.9320	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12806	ND	1.3400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04298	ND	0.0430	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18116	ND	0.7460	mg/kg	
Table 2 Phase I	SW8270	S	.	0.63001	ND	0.8640	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01704	ND	0.0344	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01740	ND	0.0298	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03417	ND	0.0357	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02157	ND	0.0325	mg/kg	
Table 2 Phase I	SW8270	S	.	0.50233	ND	1.3400	mg/kg	

N = 28

--------- SWMU=FTA Method=Organics Analyte=4,6-Dinitro-2-methylphenol ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.5332	ND	22.00	mg/kg	
Table 1 Phase II	SW8270	S	.	16.6525	ND	19.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9295	ND	21.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6465	ND	2.30	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0402	ND	2.00	mg/kg	
Table 1 Phase II	SW8270	S	.	5.9812	ND	8.10	mg/kg	
Table 1 Phase II	SW8270	S	.	2.8818	ND	8.10	mg/kg	
Table 1 Phase II	SW8270	S	.	7.7945	ND	8.30	mg/kg	
Table 1 Phase II	SW8270	S	.	1.8847	ND	2.10	mg/kg	
Table 1 Phase II	SW8270	S	.	3.8800	ND	7.90	mg/kg	
Table 1 Phase II	SW8270	S	.	0.4086	ND	2.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.1411	ND	2.10	mg/kg	
Table 1 Phase II	SW8270	S	.	1.6435	ND	2.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0557	ND	2.10	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0106	ND	4.20	mg/kg	
Table 1 Phase II	SW8270	S	.	0.8720	ND	1.80	mg/kg	
Table 2 Phase I	SW8270	S	.	1.5161	ND	1.58	mg/kg	
Table 2 Phase I	SW8270	S	.	0.9362	ND	1.61	mg/kg	
Table 2 Phase I	SW8270	S	.	0.9421	ND	1.17	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=4,6-Dinitro-2-methylphenol ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.51949	ND	1.6900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00963	ND	0.0542	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06987	ND	0.9410	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11432	ND	1.0900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01269	ND	0.0434	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02451	ND	0.0376	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02435	ND	0.0451	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01405	ND	0.0410	mg/kg	
Table 2 Phase I	SW8270	S	.	0.99787	ND	1.6800	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=4-Aminobiphenyl ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.46371	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.15846	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.78589	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05129	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40120	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.45077	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.35430	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99003	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32340	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55520	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01996	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40718	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05955	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33023	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05767	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30131	ND	0.38	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=4-Bromophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.01085	ND	4.6	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=4-Bromophenyl phenyl ether ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.05131	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99101	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35687	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06270	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32892	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.36516	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.52537	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32127	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.00399	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02241	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02483	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30314	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32970	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31419	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13008	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.25421	ND	0.6740	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19575	ND	0.6870	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18073	ND	0.5010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20468	ND	0.7230	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01241	ND	0.0231	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12093	ND	0.4020	mg/kg	
Table 2 Phase I	SW8270	S	.	0.25422	ND	0.4650	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00834	ND	0.0185	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00282	ND	0.0160	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00995	ND	0.0192	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01555	ND	0.0175	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68783	ND	0.7190	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=4-Chloro-3-methylphenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.79035	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.83787	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.05599	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14935	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13640	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.53958	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18463	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.56754	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05274	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=4-Chloro-3-methylphenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.35333	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02240	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09014	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34525	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35267	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10802	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00522	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04312	ND	0.6440	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18923	ND	0.6560	mg/kg	
Table 2 Phase I	SW8270	S	.	0.28018	ND	0.4790	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34435	ND	0.6910	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02180	ND	0.0221	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21725	ND	0.3840	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10875	ND	0.4440	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00304	ND	0.0177	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00799	ND	0.0153	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01478	ND	0.0184	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01152	ND	0.0167	mg/kg	
Table 2 Phase I	SW8270	S	.	0.13215	ND	0.6860	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=4-Chloroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.28400	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.79067	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.67498	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29894	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38636	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.13246	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.22582	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.61259	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08498	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36838	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10312	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09711	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32746	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30095	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06506	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14594	ND	0.38	mg/kg	
Table 2 Phase I	SW8270	S	2.87	2.87000	DET	1.51	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=4-Chloroaniline ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.68889	ND	1.5400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68042	ND	1.1200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.60256	ND	1.6200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00134	ND	0.0518	mg/kg	
Table 2 Phase I	SW8270	S	3.7	3.70000	DET	0.9000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.37269	ND	1.0400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01666	ND	0.0415	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00930	ND	0.0359	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00610	ND	0.0431	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00212	ND	0.0392	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52340	ND	1.6100	mg/kg	

N = 28

-------- SWMU=FTA Method=Organics Analyte=4-Chlorophenyl phenyl ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.45893	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.62192	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.74389	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46288	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11309	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.34797	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.62600	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.88529	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05101	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.08895	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32325	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29550	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33489	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15575	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35195	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33339	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05236	ND	0.7520	mg/kg	
Table 2 Phase I	SW8270	S	.	0.67758	ND	0.7660	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06747	ND	0.5600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46979	ND	0.8070	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01117	ND	0.0258	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14754	ND	0.4480	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24059	ND	0.5190	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00329	ND	0.0207	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01013	ND	0.0179	mg/kg	

-------- SWMU=FTA Method=Organics Analyte=4-Chlorophenyl phenyl ether ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.012699	ND	0.0215	mg/kg	
Table 2 Phase I	SW8270	S	.	0.000582	ND	0.0195	mg/kg	
Table 2 Phase I	SW8270	S	.	0.018848	ND	0.8020	mg/kg	

N = 28

-------- SWMU=FTA Method=Drganics Analyte=4-Methyl-2-pentanone (MIBK) ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	.0009562	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	.0001314	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	.	.0009092	ND	2.7000	mg/kg	
Table 1 Phase II	SW8240	S	.	.0004411	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.0044	.0044000	DET	0.0120	mg/kg	J
Table 1 Phase II	SW8240	S	.	.0013067	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	.0012301	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	.0010400	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	.0008302	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	.0005716	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	.0007844	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.0015	.0015000	DET	0.0130	mg/kg	J
Table 1 Phase II	SW8240	S	.0021	.0021000	DET	0.0120	mg/kg	J
Table 1 Phase II	SW8240	S	.	.0009795	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	.0001395	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	.0005515	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	.0006909	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	.0003363	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	.0034571	ND	0.0045	mg/kg	X
Table 2 Phase I	SW8240	S	.	.0011506	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	.0008585	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	.0012134	ND	0.0013	mg/kg	
Table 2 Phase I	SW8240	S	.	.0007032	ND	0.0047	mg/kg	
Table 2 Phase I	SW8240	S	.	.0011379	ND	0.0045	mg/kg	
Table 2 Phase I	SW8240	S	.	.0001435	ND	0.0009	mg/kg	
Table 2 Phase I	SW8240	S	.	.0001691	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	.0007461	ND	0.0009	mg/kg	
Table 2 Phase I	SW8240	S	.	.0083224	ND	0.0107	mg/kg	
Table 2 Phase I	SW8240	S	.	.0011928	ND	0.0012	mg/kg	
Table 2 Phase I	SW8240	S	.	.0000242	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	.0003664	ND	0.0010	mg/kg	
Table 2 Phase I	SW8240	S	.	.0066636	ND	0.0068	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=4-Nitroaniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.68538	ND	22.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.67808	ND	19.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.88652	ND	21.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.26352	ND	2.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.34592	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.73904	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.74771	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.53425	ND	8.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.94264	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.51823	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.16370	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08284	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.90508	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43484	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.60928	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.50742	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10988	ND	1.7500	mg/kg	
Table 2 Phase I	SW8270	S	.	1.17203	ND	1.7900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.53007	ND	1.3000	mg/kg	
Table 2 Phase I	SW8270	S	.	1.72123	ND	1.8800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05290	ND	0.0601	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15762	ND	1.0400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34741	ND	1.2100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04630	ND	0.0482	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02530	ND	0.0417	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04030	ND	0.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01597	ND	0.0455	mg/kg	
Table 2 Phase I	SW8270	S	.	0.33825	ND	1.8700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=4-Nitrophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	12.8536	ND	22.0	mg/kg	
Table 1 Phase II	SW8270	S	.	15.1285	ND	19.0	mg/kg	
Table 1 Phase II	SW8270	S	.	5.9147	ND	21.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.4800	ND	2.3	mg/kg	
Table 1 Phase II	SW8270	S	.	1.8976	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1218	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	8.0785	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	4.1808	ND	8.3	mg/kg	
Table 1 Phase II	SW8270	S	.	0.7020	ND	2.1	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=4-Nitrophenol (continued) ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	6.87604	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.74790	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48286	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.00423	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40994	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.14551	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.13135	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	1.78927	ND	1.8700	mg/kg	
Table 2 Phase I	SW8270	S	.	1.45835	ND	1.9000	mg/kg	
Table 2 Phase I	SW8270	S	.	1.28056	ND	1.3900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02302	ND	2.0000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05293	ND	0.0639	mg/kg	
Table 2 Phase I	SW8270	S	.	1.10797	ND	1.1100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12061	ND	1.2900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02304	ND	0.0512	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01957	ND	0.0444	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01737	ND	0.0532	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00460	ND	0.0484	mg/kg	
Table 2 Phase I	SW8270	S	.	0.97826	ND	1.9900	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=4-Nitroquinoline-N-oxide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=5-Nitro-o-toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.15262	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21875	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.86588	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39090	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31211	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.46983	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27842	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.84933	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05762	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43056	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06064	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26976	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22611	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30402	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31194	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16773	ND	0.38	mg/kg	

N = 16

------ SWMU=FTA Method=Organics Analyte=7,12-Dimethylbenz(a)-anthracene -------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.42829	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.12586	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.25638	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21978	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10267	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.25273	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.38749	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.56101	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18646	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21087	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10732	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39962	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38429	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00894	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46600	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17337	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Acenaphthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.82736	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.06171	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.34901	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19835	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06632	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92466	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.58958	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37695	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06885	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30504	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38270	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17488	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06093	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27597	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12560	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25857	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.66803	ND	1.0300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46103	ND	1.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.56053	ND	0.7650	mg/kg	
Table 2 Phase I	SW8270	S	.	0.60946	ND	1.1000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03260	ND	0.0352	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05264	ND	0.6120	mg/kg	
Table 2 Phase I	SW8270	S	0.671	0.67100	DET	0.7090	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.01441	ND	0.0282	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00631	ND	0.0245	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01038	ND	0.0293	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02377	ND	0.0267	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46100	ND	1.1000	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Acenaphthylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.67756	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.97189	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.13483	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34191	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36396	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.84048	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18364	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63667	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01437	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Acenaphthylene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.95371	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19993	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32090	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31510	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00891	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77968	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07474	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Acetone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00588	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00510	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	2.2000	2.20000	DET	2.7000	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00838	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00889	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	0.1200	0.12000	DET	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00754	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00822	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00456	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01038	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	0.0360	0.03600	DET	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	0.0120	0.01200	DET	0.0130	mg/kg	J
Table 1 Phase II	SW8240	S	0.0360	0.03600	DET	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	0.2100	0.21000	DET	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	0.0470	0.04700	DET	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	1.8000	1.80000	DET	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	0.2760	0.27600	DET	0.0020	mg/kg	B
Table 2 Phase I	SWB240	S	0.2360	0.23600	DET	0.0022	mg/kg	B
Table 2 Phase I	SW8240	S	.	0.00148	ND	0.0074	mg/kg	X
Table 2 Phase I	SW8240	S	0.3160	0.31600	DET	0.0022	mg/kg	B
Table 2 Phase I	SW8240	S	0.0105	0.01050	DET	0.0016	mg/kg	B
Table 2 Phase I	SW8240	S	0.0132	0.01320	DET	0.0021	mg/kg	B
Table 2 Phase I	SW8240	S	0.1690	0.16900	DET	0.0076	mg/kg	B
Table 2 Phase I	SWB240	S	0.0306	0.03060	DET	0.0075	mg/kg	B
Table 2 Phase I	SW8240	S	0.0496	0.04960	DET	0.0015	mg/kg	B
Table 2 Phase I	SW8240	S	0.1650	0.16500	DET	0.0017	mg/kg	B
Table 2 Phase I	SW8240	S	0.0951	0.09510	DET	0.0014	mg/kg	B
Table 2 Phase I	SW8240	S	.	0.00587	ND	0.1650	mg/kg	
Table 2 Phase I	SW8240	S	0.0938	0.09380	DET	0.0020	mg/kg	B

---------- SWMU=FTA Method=Organics Analyte=Acetone ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	1.71	1.71000	DET	0.103	mg/kg	
Table 2 Phase I	SW8240	S	1.54	1.54000	DET	0.103	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00091	ND	7.640	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Acetophenone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.45684	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.02567	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.54716	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14273	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01774	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.94590	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.05182	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.64300	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17624	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.83085	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18343	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12363	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16115	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03060	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49984	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18833	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.61690	ND	0.8270	mg/kg	
Table 2 Phase I	SW8270	S	.	0.37903	ND	0.8430	mg/kg	
Table 2 Phase I	SW8270	S	.	0.37861	ND	0.6150	mg/kg	
Table 2 Phase I	SW8270	S	.	0.31365	ND	0.8870	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01425	ND	0.0284	mg/kg	
Table 2 Phase I	SW8270	S	.	0.41386	ND	0.4930	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09550	ND	0.5700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00976	ND	0.0227	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00953	ND	0.0197	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00736	ND	0.0236	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01564	ND	0.0215	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21488	ND	0.8820	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Aniline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.80115	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.83110	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.42909	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04878	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34707	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.65353	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.26524	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69108	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21544	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.83055	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25126	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16385	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21326	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26498	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33139	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05219	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68269	ND	1.0000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09811	ND	1.0200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68472	ND	0.7470	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68734	ND	1.0800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00182	ND	0.0344	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52717	ND	0.5980	mg/kg	
Table 2 Phase I	SW8270	S	.	0.30755	ND	0.6920	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00602	ND	0.0276	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01969	ND	0.0239	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00000	ND	0.0286	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00431	ND	0.0260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.77191	ND	1.0700	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.59571	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.20824	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.29427	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26755	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09302	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.45400	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04960	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.18808	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00290	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Anthracene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.11713	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08133	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09409	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05883	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12521	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21592	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06103	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.30038	ND	1.2300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06539	ND	1.2500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.13592	ND	0.9130	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20725	ND	1.3200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02302	ND	0.0421	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06211	ND	0.7310	mg/kg	
Table 2 Phase I	SW8270	S	0.524	0.52400	DET	0.8460	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.01201	ND	0.0337	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02303	ND	0.0292	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01349	ND	0.0350	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02938	ND	0.0318	mg/kg	
Table 2 Phase I	SW8270	S	.	0.41545	ND	1.3100	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Aramite ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.49213	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.78427	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.30194	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01224	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07649	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44829	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39521	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.61420	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32339	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.22326	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02823	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06547	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20565	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11874	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.82738	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05222	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Benzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.0006	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0000	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	0.2400	0.2400	DET	1.3000	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0032	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0029	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0021	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0026	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	2.2000	2.2000	DET	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0032	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0018	ND	6.1000	mg/kg	
Table 1 Phase II	SW8240	S	0.0036	0.0036	DET	0.0063	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.0030	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0002	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0033	ND	0.0081	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0001	ND	0.0065	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0007	ND	0.0570	mg/kg	
Table 2 Phase I	SW8240	S	0.0270	0.0270	DET	0.0024	mg/kg	
Table 2 Phase I	SW8240	S	0.0048	0.0048	DET	0.0025	mg/kg	
Table 2 Phase I	SW8240	S	0.1760	0.1760	DET	0.0085	mg/kg	X
Table 2 Phase I	SW8240	S	0.1820	0.1820	DET	0.0025	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0006	ND	0.0019	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0002	ND	0.0024	mg/kg	
Table 2 Phase I	SW8240	S	8.7300	8.7300	DET	4.3700	mg/kg	
Table 2 Phase I	SW8240	S	7.9700	7.9700	DET	21.5000	mg/kg	J
Table 2 Phase I	SW8240	S	.	0.0006	ND	0.0018	mg/kg	
Table 2 Phase I	SW8240	S	0.0011	0.0011	DET	0.0019	mg/kg	J
Table 2 Phase I	SW8240	S	.	0.0003	ND	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	0.8790	0.8790	DET	0.0101	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0011	ND	0.0023	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0010	ND	0.0018	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0010	ND	0.0018	mg/kg	
Table 2 Phase I	SW8240	S	13.5000	13.5000	DET	6.6000	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.82859	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.71028	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.88272	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04257	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13550	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)anthracene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.41219	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09908	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78174	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15735	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43243	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07874	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16882	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19347	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34855	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.73162	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07233	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.58736	ND	0.9560	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52248	ND	0.9740	mg/kg	
Table 2 Phase I	SW8270	S	.	0.53325	ND	0.7110	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04396	ND	1.0300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00450	ND	0.0328	mg/kg	
Table 2 Phase I	SW8270	S	.	0.29434	ND	0.5700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04669	ND	0.6590	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00900	ND	0.0263	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01646	ND	0.0227	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01016	ND	0.0273	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02296	ND	0.0248	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15300	ND	1.0200	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.60345	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.52217	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.82786	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19616	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03280	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.93223	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.61748	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.07536	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38398	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33775	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11934	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10241	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40064	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Benzo(a)pyrene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.35970	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80848	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36584	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.50373	ND	1.2800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46528	ND	1.3000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.16053	ND	0.9510	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68697	ND	1.3700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00377	ND	0.0438	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15805	ND	0.7610	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09714	ND	0.8810	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01435	ND	0.0351	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00083	ND	0.0304	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02230	ND	0.0365	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02643	ND	0.0332	mg/kg	
Table 2 Phase I	SW8270	S	.	1.19451	ND	1.3600	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Benzo(b)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.58808	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.68434	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.55038	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20429	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36673	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.90170	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50384	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.41548	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40567	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28324	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38300	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22144	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25752	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12109	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62200	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23961	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.76877	ND	1.6900	mg/kg	
Table 2 Phase I	SW8270	S	.	1.12328	ND	1.7200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.63214	ND	1.2600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.29960	ND	1.8100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00232	ND	0.0579	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Benzo(b)fluoranthene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.68174	ND	1.0100	mg/kg	
Table 2 Phase I	SW8270	S	.	1.15966	ND	1.1600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00594	ND	0.0464	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02855	ND	0.0402	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00974	ND	0.0482	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00048	ND	0.0438	mg/kg	
Table 2 Phase I	SW8270	S	.	1.55542	ND	1.8000	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Benzo(g,h,i)perylene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.49337	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40895	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.86145	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25032	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32194	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13882	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.35235	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51265	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14162	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.57273	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09471	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02208	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40123	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33284	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31118	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24830	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.16629	ND	1.8200	mg/kg	
Table 2 Phase I	SW8270	S	.	1.81305	ND	1.8500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21189	ND	1.3500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24061	ND	1.9500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06154	ND	0.0623	mg/kg	
Table 2 Phase I	SW8270	S	.	0.79721	ND	1.0800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.40610	ND	1.2500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03255	ND	0.0499	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04188	ND	0.0432	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05146	ND	0.0518	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04441	ND	0.0471	mg/kg	
Table 2 Phase I	SW8270	S	.	1.35997	ND	1.9400	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Benzo(k)fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.77335	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.26310	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.32729	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24389	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01077	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11643	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21174	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23856	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39663	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26092	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33248	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30777	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06365	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19339	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36221	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17180	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.45564	ND	1.7700	mg/kg	
Table 2 Phase I	SW8270	S	.	1.39904	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.76689	ND	1.3200	mg/kg	
Table 2 Phase I	SW8270	S	.	1.53425	ND	1.9000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00515	ND	0.0607	mg/kg	
Table 2 Phase I	SW8270	S	.	0.73166	ND	1.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	1.12477	ND	1.2200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02296	ND	0.0486	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00251	ND	0.0421	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00848	ND	0.0505	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01350	ND	0.0459	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23810	ND	1.8900	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Benzoic acid ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	22.7861	ND	41.900	mg/kg	
Table 2 Phase I	SW8270	S	.	22.9540	ND	42.700	mg/kg	
Table 2 Phase I	SW8270	S	.	4.4617	ND	31.200	mg/kg	
Table 2 Phase I	SW8270	S	.	3.6303	ND	45.000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.2092	ND	1.440	mg/kg	
Table 2 Phase I	SW8270	S	.	15.9511	ND	25.000	mg/kg	
Table 2 Phase I	SW8270	S	.	9.0833	ND	28.900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.1235	ND	1.150	mg/kg	
Table 2 Phase I	SW8270	S	.	0.6983	ND	0.997	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Benzoic acid ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.5125	ND	1.20	mg/kg	
Table 2 Phase I	SW8270	S	.	0.6217	ND	1.09	mg/kg	
Table 2 Phase I	SW8270	S	.	13.9452	ND	44.70	mg/kg	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Benzyl alcohol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.21255	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.85342	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.58922	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16496	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01759	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.37810	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.82624	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.36199	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29199	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27646	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10751	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34361	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13420	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23070	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.85629	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16581	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.06850	ND	0.8660	mg/kg	
Table 2 Phase I	SW8270	S	.	0.80049	ND	0.8820	mg/kg	
Table 2 Phase I	SW8270	S	.	0.09678	ND	0.6440	mg/kg	
Table 2 Phase I	SW8270	S	.	0.35577	ND	0.9280	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02313	ND	0.0297	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12439	ND	0.5150	mg/kg	
Table 2 Phase I	SW8270	S	.	0.55556	ND	0.5970	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00488	ND	0.0238	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02041	ND	0.0206	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01869	ND	0.0247	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00292	ND	0.0224	mg/kg	
Table 2 Phase I	SW8270	S	.	0.39410	ND	0.9230	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Bromodichloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.24305	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02662	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	1.11679	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00233	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00614	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00439	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.34777	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.49066	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00513	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	4.91895	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00036	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00633	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00332	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00112	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00353	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00849	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00068	ND	0.00222	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00103	ND	0.00237	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00525	ND	0.00802	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00112	ND	0.00235	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00084	ND	0.00176	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00026	ND	0.00225	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00373	ND	0.00830	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00080	ND	0.00810	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00009	ND	0.00165	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00099	ND	0.00182	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00065	ND	0.00156	mg/kg	
Table 2 Phase I	SW8240	S	.	0.02085	ND	0.02280	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00120	ND	0.00214	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00003	ND	0.00170	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00015	ND	0.00171	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00215	ND	0.01210	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Bromoform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.37003	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03562	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.31714	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00053	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00583	ND	0.0062	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Bromoform ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.02771	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.29474	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.43539	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00410	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	0.71290	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00172	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00260	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00529	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00670	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00032	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05635	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00132	ND	0.00206	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00140	ND	0.00219	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00608	ND	0.00744	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00181	ND	0.00218	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00152	ND	0.00164	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00128	ND	0.00209	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00001	ND	0.00770	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00627	ND	0.00751	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00000	ND	0.00153	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00150	ND	0.00168	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00002	ND	0.00144	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00540	ND	0.01170	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00191	ND	0.00198	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00071	ND	0.00158	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00147	ND	0.00159	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00929	ND	0.01120	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Bromomethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.63372	ND	2.800	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04599	ND	0.120	mg/kg	
Table 1 Phase II	SW8240	S	.	2.22829	ND	2.700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00261	ND	0.014	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00908	ND	0.012	mg/kg	
Table 1 Phase II	SW8240	S	.	0.06270	ND	0.063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.83869	ND	1.300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00194	ND	1.300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01141	ND	0.013	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Bromomethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	6.37938	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00433	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00011	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00516	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00889	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00907	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00655	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00165	ND	0.0027	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00260	ND	0.0029	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00888	ND	0.0099	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00263	ND	0.0029	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00143	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00102	ND	0.0028	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00540	ND	0.0102	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00284	ND	0.0100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00187	ND	0.0020	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00119	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00149	ND	0.0019	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00189	ND	0.0165	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00211	ND	0.0026	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00044	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00103	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00179	ND	0.0149	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Butylbenzylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30171	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.87245	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.39559	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03901	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01626	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43351	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.88476	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51268	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00661	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01054	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01752	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05492	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19804	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Butylbenzylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.39014	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.85648	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03077	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.22373	ND	2.9300	mg/kg	
Table 2 Phase I	SW8270	S	.	1.67867	ND	2.9900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24941	ND	2.1800	mg/kg	
Table 2 Phase I	SW8270	S	.	2.97482	ND	3.1500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02696	ND	0.1010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.73379	ND	1.7500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.66380	ND	2.0200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01372	ND	0.0806	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05652	ND	0.0698	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00200	ND	0.0837	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03888	ND	0.0761	mg/kg	
Table 2 Phase I	SW8270	S	.	0.99646	ND	3.1300	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Carbon disulfide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.48902	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02336	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.74569	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00309	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00261	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01689	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.58250	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.44792	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00513	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	4.88927	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00610	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00626	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00017	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00357	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00383	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01227	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	0.0104	0.01040	DET	0.00353	mg/kg	
Table 2 Phase I	SW8240	S	0.0207	0.02070	DET	0.00375	mg/kg	
Table 2 Phase I	SW8240	S	0.0121	0.01210	DET	0.01270	mg/kg	XJ
Table 2 Phase I	SW8240	S	0.0121	0.01210	DET	0.00374	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00106	ND	0.00280	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Carbon disulfide ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.00160	ND	0.00358	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00020	ND	0.01320	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00013	ND	0.01290	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00202	ND	0.00262	mg/kg	
Table 2 Phase I	SW8240	S	0.00318	0.00318	DET	0.00288	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00075	ND	0.00247	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00158	ND	0.02690	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00097	ND	0.00339	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00218	ND	0.00270	mg/kg	
Table 2 Phase I	SW8240	S	0.01820	0.01820	DET	0.00272	mg/kg	
Table 2 Phase I	SW8240	S	0.16000	0.16000	DET	0.01910	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Carbon tetrachloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.04157	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00807	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.72089	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00062	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00280	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00460	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.29155	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.58783	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00261	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	2.51824	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00170	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00142	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00217	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00250	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00066	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04756	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00033	ND	0.00272	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00219	ND	0.00290	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00776	ND	0.00982	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00217	ND	0.00288	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00096	ND	0.00216	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00060	ND	0.00276	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00928	ND	0.01020	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00567	ND	0.00992	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00051	ND	0.00203	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Carbon tetrachloride ----------
(continued)

Data Source-	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0009610	ND	0.00222	mg/kg	
Table 2 Phase I	SW8240	S	.	.0017134	ND	0.00191	mg/kg	
Table 2 Phase I	SW8240	S	.	.0019407	ND	0.01310	mg/kg	
Table 2 Phase I	SW8240	S	.	.0005585	ND	0.00262	mg/kg	
Table 2 Phase I	SW8240	S	.	.0015905	ND	0.00209	mg/kg	
Table 2 Phase I	SW8240	S	.	.0011752	ND	0.00210	mg/kg	
Table 2 Phase I	SW8240	S	.	.0038049	ND	0.01480	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Chlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.93904	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02698	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.79615	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00408	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00390	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01136	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03587	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.58207	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00253	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	3.64661	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00360	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00285	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00007	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00431	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00468	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03585	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00390	ND	0.00633	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00252	ND	0.00674	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.01594	ND	0.02280	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00484	ND	0.00670	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00338	ND	0.00502	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00371	ND	0.00642	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01509	ND	0.02360	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00474	ND	0.02310	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00094	ND	0.00471	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00276	ND	0.00517	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00208	ND	0.00443	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00769	ND	0.00777	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00358	ND	0.00608	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Chlorobenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.004699	ND	0.00485	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000634	ND	0.00488	mg/kg	
Table 2 Phase I	SW8240	S	.	0.028136	ND	0.03430	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Chloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.62320	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05247	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	.	1.48558	ND	2.7000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00619	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00863	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.06040	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	1.01770	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.81917	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00622	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	8.49428	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00575	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00876	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00792	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01287	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00671	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.10281	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00128	ND	0.0028	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00254	ND	0.0030	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00957	ND	0.0101	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00053	ND	0.0030	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00131	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00103	ND	0.0028	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00695	ND	0.0104	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00720	ND	0.0102	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00026	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00189	ND	0.0023	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00176	ND	0.0020	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00268	ND	0.0155	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00209	ND	0.0027	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00201	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00146	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01061	ND	0.0151	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Chloroform ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.01538	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00753	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.49290	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00030	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00375	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02438	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.24510	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.18740	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00661	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	1.64298	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00052	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00467	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00240	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00750	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00437	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03986	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00252	ND	0.00285	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00289	ND	0.00303	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00565	ND	0.01030	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00043	ND	0.00302	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00074	ND	0.00226	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00065	ND	0.00289	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00292	ND	0.01060	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00205	ND	0.01040	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00130	ND	0.00212	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00188	ND	0.00233	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00001	ND	0.00200	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00050	ND	0.00850	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00181	ND	0.00274	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00167	ND	0.00218	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00212	ND	0.00220	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01228	ND	0.01550	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Chloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.15411	ND	2.800	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04615	ND	0.120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.47497	ND	2.700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00468	ND	0.014	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00168	ND	0.012	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Chloromethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.04633	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.23572	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.37202	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00821	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	3.66954	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01150	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00226	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01078	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00583	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01058	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.10033	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00115	ND	0.0033	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00080	ND	0.0035	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00080	ND	0.0120	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00091	ND	0.0035	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00126	ND	0.0026	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00101	ND	0.0034	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00031	ND	0.0124	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00027	ND	0.0121	mg/kg	
Table 2 Phase I	SW8240	S	0.00258	0.00258	DET	0.0025	mg/kg	B
Table 2 Phase I	SW8240	S	.	0.00047	ND	0.0027	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00106	ND	0.0023	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00097	ND	0.0145	mg/kg	
Table 2 Phase I	SW8240	S	0.00128	0.00128	DET	0.0032	mg/kg	BJ
Table 2 Phase I	SW8240	S	.	0.00065	ND	0.0025	mg/kg	
Table 2 Phase I	SW8240	S	0.00133	0.00133	DET	0.0026	mg/kg	BJ
Table 2 Phase I	SW8240	S	0.01560	0.01560	DET	0.0180	mg/kg	BJ

N = 32

---------- SWMU=FTA Method=Organics Analyte=Chrysene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.00901	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.80194	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.35859	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37871	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30283	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15533	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05550	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42627	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05970	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Chrysene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.32789	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09265	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19970	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26393	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32295	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43668	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10764	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.55445	ND	1.5900	mg/kg	
Table 2 Phase I	SW8270	S	.	1.15761	ND	1.6200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68803	ND	1.1900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.47975	ND	1.7100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02879	ND	0.0546	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21134	ND	0.9490	mg/kg	
Table 2 Phase I	SW8270	S	.	1.08423	ND	1.1000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03633	ND	0.0438	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02906	ND	0.0379	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00209	ND	0.0455	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04074	ND	0.0413	mg/kg	
Table 2 Phase I	SW8270	S	.	1.55968	ND	1.7000	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Di-n-butylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.91642	ND	4.600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19782	ND	4.000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63575	ND	4.400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12788	ND	0.470	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01452	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.84467	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.69412	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32307	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36176	ND	0.440	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99628	ND	1.600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20987	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37109	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08044	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10919	ND	0.430	mg/kg	
Table 1 Phase II	SW8270	S	.	0.68369	ND	0.860	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08514	ND	0.380	mg/kg	
Table 2 Phase I	SW8270	S	.	0.44455	ND	0.795	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Di-n-butylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.62989	ND	0.8100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.52140	ND	0.5920	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14131	ND	0.8530	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00452	ND	0.0273	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34145	ND	0.4740	mg/kg	
Table 2 Phase I	SW8270	S	.	0.33159	ND	0.5480	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01089	ND	0.0218	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01208	ND	0.0189	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00475	ND	0.0227	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01308	ND	0.0206	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20866	ND	0.8480	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Di-n-octylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.52902	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.97475	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55461	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19529	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24884	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12610	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.97248	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.34784	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00630	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33268	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24847	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09519	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09359	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18282	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.81011	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29495	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12497	ND	0.8290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14870	ND	0.8440	mg/kg	
Table 2 Phase I	SW8270	S	.	0.41795	ND	0.6160	mg/kg	
Table 2 Phase I	SW8270	S	.	0.78964	ND	0.8890	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01590	ND	0.0284	mg/kg	
Table 2 Phase I	SW8270	S	.	0.36498	ND	0.4940	mg/kg	
Table 2 Phase I	SW8270	S	.	0.45224	ND	0.5710	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02072	ND	0.0228	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00217	ND	0.0197	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Di-n-octylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.00449	ND	0.0236	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01004	ND	0.0215	mg/kg	
Table 2 Phase I	SW8270	S	.	0.68215	ND	0.8830	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Dibenz(a,h)anthracene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.45308	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63192	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.99837	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32992	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04157	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.50135	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.05873	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20958	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03276	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.03899	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28139	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37242	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38456	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24160	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34218	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13273	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21933	ND	1.6100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.57650	ND	1.6400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07842	ND	1.2000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.78882	ND	1.7300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05453	ND	0.0552	mg/kg	
Table 2 Phase I	SW8270	S	.	0.31225	ND	0.9590	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01342	ND	1.1100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01268	ND	0.0442	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03012	ND	0.0383	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00479	ND	0.0459	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02511	ND	0.0417	mg/kg	
Table 2 Phase I	SW8270	S	.	1.23417	ND	1.7200	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Dibenzofuran ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30966	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28746	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14433	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30911	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03565	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07876	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02146	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29308	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08692	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	0.7400	0.74000	DET	1.6000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.30894	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29513	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08820	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02990	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	0.3500	0.35000	DET	0.8600	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.30210	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	1.1800	1.18000	DET	0.8910	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03947	ND	0.9080	mg/kg	
Table 2 Phase I	SW8270	S	0.4160	0.41600	DET	0.6630	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.03126	ND	0.9560	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00672	ND	0.0305	mg/kg	
Table 2 Phase I	SW8270	S	0.9220	0.92200	DET	0.5310	mg/kg	
Table 2 Phase I	SW8270	S	3.0700	3.07000	DET	0.6140	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01498	ND	0.0245	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00667	ND	0.0212	mg/kg	
Table 2 Phase I	SW8270	S	0.0723	0.07230	DET	0.0254	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00383	ND	0.0231	mg/kg	
Table 2 Phase I	SW8270	S	2.0700	2.07000	DET	0.9500	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Dibromochloromethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.36080	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00122	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.84672	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00703	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00149	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00972	ND	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.58965	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.31530	ND	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00123	ND	0.0067	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Dibromochloromethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	4.27842	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00299	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00569	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00028	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00637	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00505	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04509	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00223	ND	0.00250	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00118	ND	0.00266	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00471	ND	0.00901	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00018	ND	0.00264	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00117	ND	0.00198	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00205	ND	0.00253	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00330	ND	0.00932	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00886	ND	0.00910	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00007	ND	0.00186	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00173	ND	0.00204	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00140	ND	0.00175	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00463	ND	0.00571	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00190	ND	0.00240	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00075	ND	0.00191	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00005	ND	0.00192	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00079	ND	0.01350	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Dibromomethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	0.01760	0.017600	DET	0.00306	mg/kg	
Table 2 Phase I	SW8240	S	0.01490	0.014900	DET	0.00326	mg/kg	
Table 2 Phase I	SW8240	S	0.07120	0.071200	DET	0.01100	mg/kg	
Table 2 Phase I	SW8240	S	0.00423	0.004230	DET	0.00324	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000061	ND	0.00243	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000077	ND	0.00310	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000590	ND	0.01140	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002682	ND	0.01120	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.000813	ND	0.00228	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000245	ND	0.00250	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000547	ND	0.00214	mg/kg	
Table 2 Phase I	SW8240	S	.	0.003452	ND	0.00696	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001631	ND	0.00294	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Dibromomethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0012720	ND	0.00235	mg/kg	
Table 2 Phase I	SW8240	S	.	.0008970	ND	0.00236	mg/kg	
Table 2 Phase I	SW8240	S	.	.0019727	ND	0.01660	mg/kg	X

N = 16

---------- SWMU=FTA Method=Organics Analyte=Diethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.49621	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.76558	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	4.17816	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43150	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32574	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16411	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.54164	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28511	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30393	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.90893	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35593	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26159	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35532	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23381	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21399	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04375	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.30895	ND	0.4080	mg/kg	
Table 2 Phase I	SW8270	S	.	0.11629	ND	0.4160	mg/kg	
Table 2 Phase I	SW8270	S	.	0.28787	ND	0.3030	mg/kg	
Table 2 Phase I	SW8270	S	.	0.14965	ND	0.4380	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01325	ND	0.0140	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03541	ND	0.2430	mg/kg	
Table 2 Phase I	SW8270	S	0.517	0.51700	DET	0.2810	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00914	ND	0.0112	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00675	ND	0.0097	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00135	ND	0.0116	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00336	ND	0.0106	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10784	ND	0.4350	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Dimethylphenethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.32348	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.82053	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.68253	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26860	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08342	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51861	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32961	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.57143	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36305	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.64102	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16301	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31881	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11609	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27738	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66742	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16642	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.84572	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.23824	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66438	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43400	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08830	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49959	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.81420	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.26180	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28105	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69009	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29631	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36719	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30210	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32533	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80489	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09400	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.63328	ND	0.7210	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23365	ND	0.7340	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12388	ND	0.5360	mg/kg	
Table 2 Phase I	SW8270	S	.	0.23935	ND	0.7730	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01150	ND	0.0247	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Dimethylphthalate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.39215	ND	0.4290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19189	ND	0.4970	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00150	ND	0.0198	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00455	ND	0.0171	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00995	ND	0.0206	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00689	ND	0.0187	mg/kg	
Table 2 Phase I	SW8270	S	.	0.61371	ND	0.7680	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Diphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.68731	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.93676	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42228	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05349	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01263	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.21132	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.51445	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39879	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25068	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.68491	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21825	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13365	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03331	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16280	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05369	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12206	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.39676	ND	1.4500	mg/kg	
Table 2 Phase I	SW8270	S	.	1.03917	ND	1.4700	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15682	ND	1.0800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.07627	ND	1.5500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02359	ND	0.0496	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20101	ND	0.8620	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24460	ND	0.9980	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02973	ND	0.0398	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01100	ND	0.0344	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01243	ND	0.0413	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01538	ND	0.0375	mg/kg	
Table 2 Phase I	SW8270	S	.	0.95860	ND	1.5400	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Ethyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.21154	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41584	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.57283	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07007	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06326	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.45604	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62469	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.36646	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02154	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06124	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29693	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05160	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12242	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30985	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39939	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06758	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Ethylbenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	16.000	16.000	DET	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	17.000	17.000	DET	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	0.310	0.310	DET	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	19.000	19.000	DET	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	8.000	8.000	DET	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	0.002	0.002	DET	0.00630	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	0.001	0.001	DET	0.00650	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	8.350	8.350	DET	3.85000	mg/kg	
Table 2 Phase I	SW8240	S	1.500	1.500	DET	1.03000	mg/kg	
Table 2 Phase I	SW8240	S	191.000	191.000	DET	2.89000	mg/kg	
Table 2 Phase I	SW8240	S	27.700	27.700	DET	4.07000	mg/kg	
Table 2 Phase I	SW8240	S	0.002	0.002	DET	0.00179	mg/kg	J

---------- SWMU=FTA Method=Organics Analyte=Ethylbenzene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0023	mg/kg	
Table 2 Phase I	SW8240	S	193.000	193.000	DET	2.9000	mg/kg	
Table 2 Phase I	SW8240	S	186.000	186.000	DET	14.3000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000	ND	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	0.002	0.002	DET	0.0018	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000	ND	0.0016	mg/kg	
Table 2 Phase I	SW8240	S	16.200	16.200	DET	0.3240	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000	ND	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	250.000	250.000	DET	4.3800	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Fluoranthene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30856	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.65460	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.45757	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06710	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06547	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.56406	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13584	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.87410	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23977	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21534	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24064	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05377	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30459	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30136	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80694	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02486	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.29170	ND	0.9490	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21718	ND	0.9660	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19638	ND	0.7050	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03787	ND	1.0200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02640	ND	0.0325	mg/kg	
Table 2 Phase I	SW8270	S	.	0.26454	ND	0.5650	mg/kg	
Table 2 Phase I	SW8270	S	0.309	0.30900	DET	0.6540	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.00177	ND	0.0261	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00162	ND	0.0226	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Fluoranthene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.01360	ND	0.0271	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00896	ND	0.0246	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20957	ND	1.0100	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Fluorene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.08318	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09307	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01524	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03993	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14980	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08240	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00441	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	0.3300	0.33000	DET	1.7000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.09345	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	0.3200	0.32000	DET	1.6000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.13718	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06609	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14566	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11005	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	0.1600	0.16000	DET	0.8600	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.05224	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	0.6090	0.60900	DET	0.7380	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.02119	ND	0.7520	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00686	ND	0.5490	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00193	ND	0.7910	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00616	ND	0.0253	mg/kg	
Table 2 Phase I	SW8270	S	0.6090	0.60900	DET	0.4400	mg/kg	
Table 2 Phase I	SW8270	S	2.3500	2.35000	DET	0.5090	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01747	ND	0.0203	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01511	ND	0.0176	mg/kg	
Table 2 Phase I	SW8270	S	0.0385	0.03850	DET	0.0211	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01416	ND	0.0191	mg/kg	
Table 2 Phase I	SW8270	S	1.1600	1.16000	DET	0.7870	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.41913	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.99909	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.41347	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28881	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34608	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02980	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.29912	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21171	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12597	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78306	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12480	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14096	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13569	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01198	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.60410	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02729	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20938	ND	0.8860	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21297	ND	0.9030	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07386	ND	0.6590	mg/kg	
Table 2 Phase I	SW8270	S	.	0.49614	ND	0.9500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00750	ND	0.0304	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10137	ND	0.5280	mg/kg	
Table 2 Phase I	SW8270	S	.	0.51002	ND	0.6110	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00729	ND	0.0243	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00201	ND	0.0211	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01086	ND	0.0253	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01826	ND	0.0230	mg/kg	
Table 2 Phase I	SW8270	S	.	0.90552	ND	0.9450	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobutadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.77919	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.63037	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.83349	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14525	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17109	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05156	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.29036	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47990	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.43663	ND	0.44	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Hexachlorobutadiene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.25101	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27607	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30626	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00809	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13599	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.73339	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17849	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.75769	ND	1.6600	mg/kg	
Table 2 Phase I	SW8270	S	.	1.10976	ND	1.6900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.84602	ND	1.2300	mg/kg	
Table 2 Phase I	SW8270	S	.	1.19824	ND	1.7800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02127	ND	0.0568	mg/kg	
Table 2 Phase I	SW8270	S	.	0.86357	ND	0.9870	mg/kg	
Table 2 Phase I	SW8270	S	.	1.09686	ND	1.1400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01079	ND	0.0455	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00490	ND	0.0394	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01067	ND	0.0473	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01226	ND	0.0430	mg/kg	
Table 2 Phase I	SW8270	S	.	0.36918	ND	1.7700	mg/kg	

N = 28

--------- SWMU=FTA Method=Organics Analyte=Hexachlorocyclopentadiene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.02400	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.70713	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.17540	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00294	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10798	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.74819	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92503	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78042	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26699	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40025	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25205	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13663	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03585	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42202	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39760	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10729	ND	0.38	mg/kg	
Table 2 Phase I	SW8270	S	.	1.16566	ND	1.91	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=Hexachlorocyclopentadiene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	1.58285	ND	1.9500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05404	ND	1.4200	mg/kg	
Table 2 Phase I	SW8270	S	.	1.77986	ND	2.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05763	ND	0.0656	mg/kg	
Table 2 Phase I	SW8270	S	.	0.60446	ND	1.1400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.51121	ND	1.3200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00139	ND	0.0525	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02420	ND	0.0455	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01498	ND	0.0546	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03915	ND	0.0496	mg/kg	
Table 2 Phase I	SW8270	S	.	0.36060	ND	2.0400	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Hexachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.81104	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.10734	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.02019	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03816	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21843	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.55093	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09884	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.53127	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08084	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.95978	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24221	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11631	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25210	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00341	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77617	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11884	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20202	ND	0.8880	mg/kg	
Table 2 Phase I	SW8270	S	.	0.87425	ND	0.9040	mg/kg	
Table 2 Phase I	SW8270	S	.	0.59817	ND	0.6600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.62317	ND	0.9520	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01982	ND	0.0304	mg/kg	
Table 2 Phase I	SW8270	S	.	0.21501	ND	0.5290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.37867	ND	0.6120	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00062	ND	0.0244	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01043	ND	0.0211	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Hexachloroethane ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.02252	ND	0.0253	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01001	ND	0.0230	mg/kg	
Table 2 Phase I	SW8270	S	.	0.69669	ND	0.9460	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Hexachlorophene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Hexachloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.13916	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.69462	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.25920	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23234	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29720	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51163	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.10789	ND	1.70	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Hexachloropropene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.73662	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03827	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.83464	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29933	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36122	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26792	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12940	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03847	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09447	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Hydrocarbons ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)
Table 2 Phase I	E418.1	S	11300.00	11300.00
Table 2 Phase I	E418.1	S	1220.00	1220.00
Table 2 Phase I	E418.1	S	5320.00	5320.00
Table 2 Phase I	E418.1	S	3170.00	3170.00
Table 2 Phase I	E418.1	S	-0.50	-0.50
Table 2 Phase I	E418.1	S	-9.36	-9.36
Table 2 Phase I	E418.1	S	8360.00	8360.00
Table 2 Phase I	E418.1	S	31800.00	31800.00
Table 2 Phase I	E418.1	S	2.93	2.93
Table 2 Phase I	E418.1	S	20.60	20.60
Table 2 Phase I	E418.1	S	11.80	11.80
Table 2 Phase I	E418.1	S	372.00	372.00
Table 2 Phase I	E418.1	S	7.70	7.70
Table 2 Phase I	E418.1	S	9.41	9.41
Table 2 Phase I	E418.1	S	9.45	9.45
Table 2 Phase I	E418.1	S	17800.00	17800.00

Data Source	Analytical Method	Flag	RL	Units	Lab Footnote
Table 2 Phase I	E418.1	DET	203.0	mg/kg	
Table 2 Phase I	E418.1	DET	43.0	mg/kg	
Table 2 Phase I	E418.1	DET	151.0	mg/kg	
Table 2 Phase I	E418.1	DET	42.7	mg/kg	
Table 2 Phase I	E418.1	DET	32.0	mg/kg	J
Table 2 Phase I	E418.1	DET	41.0	mg/kg	J
Table 2 Phase I	E418.1	DET	152.0	mg/kg	
Table 2 Phase I	E418.1	DET	749.0	mg/kg	
Table 2 Phase I	E418.1	DET	30.4	mg/kg	BJ
Table 2 Phase I	E418.1	DET	32.9	mg/kg	BJ
Table 2 Phase I	E418.1	DET	28.5	mg/kg	BJ
Table 2 Phase I	E418.1	DET	34.2	mg/kg	B
Table 2 Phase I	E418.1	DET	39.0	mg/kg	J
Table 2 Phase I	E418.1	DET	31.0	mg/kg	J
Table 2 Phase I	E418.1	DET	31.1	mg/kg	J
Table 2 Phase I	E418.1	DET	459.0	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Indene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.01919	ND	1.0300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.53137	ND	1.0500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.19405	ND	0.7650	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01386	ND	1.1000	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00422	ND	0.0352	mg/kg	
Table 2 Phase I	SW8270	S	.	0.49312	ND	0.6120	mg/kg	
Table 2 Phase I	SW8270	S	.	0.44484	ND	0.7090	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02408	ND	0.0282	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00374	ND	0.0245	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00566	ND	0.0293	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00939	ND	0.0267	mg/kg	
Table 2 Phase I	SW8270	S	.	0.67274	ND	1.1000	mg/kg	

N = 12

---------- SWMU=FTA Method=Organics Analyte=Indeno(1,2,3-cd)pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.20048	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.24148	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.85267	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41539	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23895	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.47495	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.07870	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.85136	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16050	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40891	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06669	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26942	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40706	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13456	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.71586	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08576	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	1.32754	ND	1.4200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18662	ND	1.4500	mg/kg	
Table 2 Phase I	SW8270	S	.	0.61557	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10202	ND	1.5200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.04268	ND	0.0487	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02313	ND	0.8460	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12006	ND	0.9790	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03721	ND	0.0390	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03180	ND	0.0338	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Indeno(1,2,3-cd)pyrene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.02280	ND	0.0405	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03288	ND	0.0368	mg/kg	
Table 2 Phase I	SW8270	S	.	1.21574	ND	1.5100	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Isophorone ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.65730	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	2.43478	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.26764	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12649	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08928	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15593	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.60116	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44374	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02309	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92762	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07882	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07333	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40410	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22593	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19624	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21149	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07476	ND	0.5200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01042	ND	0.5290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.34675	ND	0.3860	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01242	ND	0.5570	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00022	ND	0.0178	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02511	ND	0.3090	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24721	ND	0.3580	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00766	ND	0.0143	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00938	ND	0.0124	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01063	ND	0.0148	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01196	ND	0.0135	mg/kg	
Table 2 Phase I	SW8270	S	.	0.41806	ND	0.5540	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Isosafrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.10791	ND	9.10	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26570	ND	7.90	mg/kg	
Table 1 Phase II	SW8270	S	.	6.00502	ND	8.80	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13214	ND	0.95	mg/kg	
Table 1 Phase II	SW8270	S	.	0.81022	ND	0.82	mg/kg	
Table 1 Phase II	SW8270	S	.	1.66483	ND	3.40	mg/kg	
Table 1 Phase II	SW8270	S	.	2.43621	ND	3.30	mg/kg	
Table 1 Phase II	SW8270	S	.	2.59347	ND	3.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32901	ND	0.88	mg/kg	
Table 1 Phase II	SW8270	S	.	2.44638	ND	3.20	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01545	ND	0.83	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11968	ND	0.85	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37410	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24296	ND	0.85	mg/kg	
Table 1 Phase II	SW8270	S	.	1.22202	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10143	ND	0.76	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Methapyriline ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.12889	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24877	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.52422	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09210	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39756	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15494	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62898	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40305	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30052	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99598	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02705	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31667	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15802	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39983	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25393	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23630	ND	0.38	mg/kg	

N = 16

------ SWMU=FTA Method=Organics Analyte=Methyl ethyl ketone (2-Butanone) ------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.13777	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.08719	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.53141	ND	2.7000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01157	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00296	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03666	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	1.02738	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.09555	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00755	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	8.69130	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01056	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01248	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01015	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00107	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00012	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01862	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	0.03830	0.03830	DET	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	0.04060	0.04060	DET	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00742	ND	0.0075	mg/kg	X
Table 2 Phase I	SW8240	S	0.04030	0.04030	DET	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00128	ND	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00156	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00405	ND	0.0078	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00361	ND	0.0076	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00088	ND	0.0016	mg/kg	
Table 2 Phase I	SW8240	S	0.01690	0.01690	DET	0.0017	mg/kg	
Table 2 Phase I	SW8240	S	0.00744	0.00744	DET	0.0015	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00260	ND	0.0219	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00019	ND	0.0020	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00151	ND	0.0016	mg/kg	
Table 2 Phase I	SW8240	S	0.03800	0.03800	DET	0.0016	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00716	ND	0.0113	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Methyl methanesulfonate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.44672	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.65170	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.70679	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37901	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13128	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Methyl methanesulfonate ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.22068	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46936	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04149	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37966	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.90674	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15063	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10044	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39144	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26470	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.79004	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17049	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Methylene chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	0.33000	0.33000	DET	1.40000	mg/kg	J
Table 1 Phase II	SW8240	S	0.02700	0.02700	DET	0.06000	mg/kg	J
Table 1 Phase II	SW8240	S	0.46000	0.46000	DET	1.30000	mg/kg	J
Table 1 Phase II	SW8240	S	0.00350	0.00350	DET	0.00720	mg/kg	J
Table 1 Phase II	SW8240	S	0.00370	0.00370	DET	0.00620	mg/kg	J
Table 1 Phase II	SW8240	S	0.01300	0.01300	DET	0.03200	mg/kg	J
Table 1 Phase II	SW8240	S	0.30000	0.30000	DET	0.63000	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.00016	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	0.00380	0.00380	DET	0.00670	mg/kg	J
Table 1 Phase II	SW8240	S	1.50000	1.50000	DET	6.10000	mg/kg	J
Table 1 Phase II	SW8240	S	0.00300	0.00300	DET	0.00630	mg/kg	J
Table 1 Phase II	SW8240	S	0.00370	0.00370	DET	0.00640	mg/kg	J
Table 1 Phase II	SW8240	S	0.00430	0.00430	DET	0.00610	mg/kg	J
Table 1 Phase II	SW8240	S	0.00440	0.00440	DET	0.00810	mg/kg	J
Table 1 Phase II	SW8240	S	0.00350	0.00350	DET	0.00650	mg/kg	J
Table 1 Phase II	SW8240	S	0.02100	0.02100	DET	0.05700	mg/kg	J
Table 2 Phase I	SW8240	S	0.00092	0.00092	DET	0.00356	mg/kg	BJ
Table 2 Phase I	SW8240	S	.	0.00014	ND	0.00379	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00009	ND	0.01280	mg/kg	X
Table 2 Phase I	SW8240	S	0.00135	0.00135	DET	0.00377	mg/kg	BJ
Table 2 Phase I	SW8240	S	.	0.00045	ND	0.00282	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00013	ND	0.00361	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00024	ND	0.01330	mg/kg	
Table 2 Phase I	SW8240	S	0.00499	0.00499	DET	0.01300	mg/kg	BJ
Table 2 Phase I	SW8240	S	0.00231	0.00231	DET	0.00265	mg/kg	J

---------- SWMU=FTA Method=Organics Analyte=Methylene chloride ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0001541	ND	0.00291	mg/kg	
Table 2 Phase I	SW8240	S	.	.0004443	ND	0.00249	mg/kg	
Table 2 Phase I	SW8240	S	.	.0005094	ND	0.00924	mg/kg	
Table 2 Phase I	SW8240	S	.000851	.0008510	DET	0.00342	mg/kg	BJ
Table 2 Phase I	SW8240	S	.000531	.0005310	DET	0.00273	mg/kg	BJ
Table 2 Phase I	SW8240	S	.	.0002586	ND	0.00274	mg/kg	
Table 2 Phase I	SW8240	S	.008040	.0080400	DET	0.01930	mg/kg	BJ

N = 32

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-butylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.74634	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.16296	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.69893	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34503	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37778	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.43243	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78883	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09512	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34383	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31458	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14047	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25509	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23699	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31488	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15139	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16620	ND	0.38	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-propylamine ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.85722	ND	4.6	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66505	ND	4.0	mg/kg	
Table 1 Phase II	SW8270	S	.	2.46497	ND	4.4	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=N-Nitroso-di-n-propylamine ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.45490	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20984	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.40628	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.82236	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.97310	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23959	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40325	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37800	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24548	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23591	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39935	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08424	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22299	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.56831	ND	0.9920	mg/kg	
Table 2 Phase I	SW8270	S	.	0.44212	ND	1.0100	mg/kg	
Table 2 Phase I	SW8270	S	.	0.67645	ND	0.7370	mg/kg	
Table 2 Phase I	SW8270	S	.	0.50089	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03101	ND	0.0340	mg/kg	
Table 2 Phase I	SW8270	S	.	0.58329	ND	0.5900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.65223	ND	0.6830	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02475	ND	0.0272	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01867	ND	0.0236	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01454	ND	0.0283	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01852	ND	0.0257	mg/kg	
Table 2 Phase I	SW8270	S	.	0.95710	ND	1.0600	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.99416	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28600	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.56798	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13476	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31790	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46128	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.35852	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.07692	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38280	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.09336	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40311	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiethylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.10085	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35236	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31431	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34607	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10696	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodimethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.55068	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.71330	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.77157	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07973	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06579	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.52159	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18365	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24968	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04693	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.59672	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05385	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16308	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09560	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29473	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38466	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02909	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiphenylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.21390	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.22087	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.02426	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20528	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29473	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosodiphenylamine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.69521	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.66196	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14588	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39194	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.83274	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09700	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06980	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12487	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09334	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26652	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17277	ND	0.38	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=N-Nitrosomethylethylamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.53806	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.72453	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.10016	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46965	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12903	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.12453	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30974	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.11266	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35856	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27549	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10262	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31739	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01817	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14773	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39731	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05266	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosomorpholine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.72952	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58401	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	1.95411	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.46122	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30690	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.67956	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.51256	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31792	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24432	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11705	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18647	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38311	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10014	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15241	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49710	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10884	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopiperidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.48734	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.81877	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.95400	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40940	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19762	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04888	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13924	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31520	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35910	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16388	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20453	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10991	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15551	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21909	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02499	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28070	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=N-Nitrosopyrrolidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.50845	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.70672	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.78365	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35782	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30354	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13397	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.25559	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.04854	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03323	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16611	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17005	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14471	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.35027	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24293	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.80091	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02503	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Naphthalene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	4.000	4.00000	DET	4.6000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.03146	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	3.500	3.50000	DET	4.4000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.06539	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03314	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	0.350	0.35000	DET	1.7000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.04968	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	7.300	7.30000	DET	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02051	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	5.000	5.00000	DET	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16790	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32305	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00137	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21114	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	3.100	3.10000	DET	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09492	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	1.740	1.74000	DET	1.2400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.49193	ND	1.2600	mg/kg	
Table 2 Phase I	SW8270	S	0.772	0.77200	DET	0.9230	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.40217	ND	1.3300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01797	ND	0.0426	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Naphthalene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	4.020	4.0200	DET	0.7390	mg/kg	
Table 2 Phase I	SW8270	S	31.000	31.0000	DET	0.8560	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0271	ND	0.0341	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0069	ND	0.0295	mg/kg	
Table 2 Phase I	SW8270	S	0.543	0.5430	DET	0.0354	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0009	ND	0.0322	mg/kg	
Table 2 Phase I	SW8270	S	9.460	9.4600	DET	1.3200	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Nitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.17554	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.70218	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.81731	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31896	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28994	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.89504	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.33525	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.45421	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33021	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.61106	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23684	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23670	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.04586	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18010	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.78216	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03066	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10931	ND	0.7060	mg/kg	
Table 2 Phase I	SW8270	S	.	0.20478	ND	0.7190	mg/kg	
Table 2 Phase I	SW8270	S	.	0.16494	ND	0.5250	mg/kg	
Table 2 Phase I	SW8270	S	.	0.74500	ND	0.7570	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00187	ND	0.0242	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05714	ND	0.4210	mg/kg	
Table 2 Phase I	SW8270	S	.	0.28161	ND	0.4870	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00754	ND	0.0194	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00866	ND	0.0168	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00910	ND	0.0201	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01298	ND	0.0183	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02661	ND	0.7530	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Pentachlorobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.46401	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.18320	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.51376	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16678	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27042	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.44487	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18195	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28047	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42501	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39472	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29311	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.25314	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38506	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18374	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.75988	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31610	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Pentachloroethane ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.02108	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.49783	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.74657	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08036	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.31645	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32382	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58155	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.47626	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06416	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.28201	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18362	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18755	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15824	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05291	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09937	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17131	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Pentachloronitrobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	19.5025	ND	22.0	mg/kg	
Table 1 Phase II	SW8270	S	.	2.5699	ND	19.0	mg/kg	
Table 1 Phase II	SW8270	S	.	18.4394	ND	21.0	mg/kg	
Table 1 Phase II	SW8270	S	.	1.3146	ND	2.3	mg/kg	
Table 1 Phase II	SW8270	S	.	0.6989	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	7.1504	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	6.3435	ND	8.1	mg/kg	
Table 1 Phase II	SW8270	S	.	5.2059	ND	8.3	mg/kg	
Table 1 Phase II	SW8270	S	.	1.2238	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	5.4696	ND	7.9	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9665	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.8604	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9247	ND	2.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.3254	ND	2.1	mg/kg	
Table 1 Phase II	SW8270	S	.	1.6654	ND	4.2	mg/kg	
Table 1 Phase II	SW8270	S	.	0.9285	ND	1.8	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Pentachlorophenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	16.4551	ND	22.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	13.3010	ND	19.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	12.5330	ND	21.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.4723	ND	2.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.1087	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.9976	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	6.6890	ND	8.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.8158	ND	8.3000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.9522	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.4179	ND	7.9000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2465	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.0095	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.0082	ND	2.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.5599	ND	2.1000	mg/kg	
Table 1 Phase II	SW8270	S	.	3.7484	ND	4.2000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.2483	ND	1.8000	mg/kg	
Table 2 Phase I	SW8270	S	.	1.3316	ND	1.5300	mg/kg	
Table 2 Phase I	SW8270	S	.	1.0059	ND	1.5600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0962	ND	1.1400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.5645	ND	1.6400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.0351	ND	0.0525	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Pentachlorophenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.89444	ND	0.9120	mg/kg	
Table 2 Phase I	SW8270	S	.	0.80657	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03609	ND	0.0421	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02962	ND	0.0364	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02175	ND	0.0437	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00321	ND	0.0397	mg/kg	
Table 2 Phase I	SW8270	S	.	1.27280	ND	1.6300	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Phenacetin ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.76358	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	2.65500	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.73371	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23561	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40940	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.69009	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.87497	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.66956	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15030	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.24729	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20437	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00834	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20944	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42906	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.18963	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05978	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Phenanthrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.016433	ND	4.6	mg/kg	
Table 1 Phase II	SW8270	S	.	0.090354	ND	4.0	mg/kg	
Table 1 Phase II	SW8270	S	.	0.024462	ND	4.4	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Phenanthrene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.09662	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05302	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08092	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02075	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	0.190	0.19000	DET	1.7000	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.00410	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05732	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03124	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00032	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07888	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02192	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	0.097	0.09700	DET	0.8600	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.03158	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.27954	ND	1.0600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02854	ND	1.0800	mg/kg	
Table 2 Phase I	SW8270	S	0.369	0.36900	DET	0.7900	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.35463	ND	1.1400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01908	ND	0.0364	mg/kg	
Table 2 Phase I	SW8270	S	1.010	1.01000	DET	0.6320	mg/kg	
Table 2 Phase I	SW8270	S	2.830	2.83000	DET	0.7320	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02912	ND	0.0292	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00739	ND	0.0252	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00808	ND	0.0303	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00840	ND	0.0275	mg/kg	
Table 2 Phase I	SW8270	S	0.870	0.87000	DET	1.1300	mg/kg	J

N = 28

---------- SWMU=FTA Method=Organics Analyte=Phenol ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.30354	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00246	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08822	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11910	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.03329	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.41465	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52884	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	0.53	0.53000	DET	1.70	mg/kg	J
Table 1 Phase II	SW8270	S	.	0.30586	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39226	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23691	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Phenol ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.26627	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30441	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16711	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.11116	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22260	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.46553	ND	0.5990	mg/kg	
Table 2 Phase I	SW8270	S	.	0.31910	ND	0.6110	mg/kg	
Table 2 Phase I	SW8270	S	.	0.12966	ND	0.4460	mg/kg	
Table 2 Phase I	SW8270	S	.	0.10188	ND	0.6430	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01432	ND	0.0205	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05462	ND	0.3570	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02161	ND	0.4130	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00236	ND	0.0165	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01005	ND	0.0143	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01455	ND	0.0171	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00658	ND	0.0155	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08227	ND	0.6390	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Pronamide ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.91668	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.56722	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.37321	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30229	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37488	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.38507	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.37603	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.39495	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26460	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29611	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27951	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13738	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38845	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01510	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.55059	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17470	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Pyrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.95990	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.74999	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.70770	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32299	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34537	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.11265	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.76549	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05838	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36190	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.56829	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23218	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06752	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.06445	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10188	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23601	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.23348	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00157	ND	1.1400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.22422	ND	1.1600	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07190	ND	0.8460	mg/kg	
Table 2 Phase I	SW8270	S	.	0.28354	ND	1.2200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00599	ND	0.0390	mg/kg	
Table 2 Phase I	SW8270	S	.	0.15598	ND	0.6780	mg/kg	
Table 2 Phase I	SW8270	S	0.329	0.32900	DET	0.7840	mg/kg	J
Table 2 Phase I	SW8270	S	.	0.02350	ND	0.0313	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01743	ND	0.0271	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00571	ND	0.0325	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01793	ND	0.0295	mg/kg	
Table 2 Phase I	SW8270	S	.	0.22186	ND	1.2100	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=Pyridine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.97211	ND	9.10	mg/kg	
Table 1 Phase II	SW8270	S	.	7.74508	ND	7.90	mg/kg	
Table 1 Phase II	SW8270	S	.	1.46270	ND	8.80	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20533	ND	0.95	mg/kg	
Table 1 Phase II	SW8270	S	.	0.36123	ND	0.82	mg/kg	
Table 1 Phase II	SW8270	S	.	1.88357	ND	3.40	mg/kg	
Table 1 Phase II	SW8270	S	.	2.53211	ND	3.30	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58514	ND	3.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.52293	ND	0.88	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Pyridine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	2.38120	ND	3.20	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02038	ND	0.83	mg/kg	
Table 1 Phase II	SW8270	S	.	0.48467	ND	0.85	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10004	ND	0.81	mg/kg	
Table 1 Phase II	SW8270	S	.	0.76922	ND	0.85	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27001	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.39851	ND	0.76	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Safrole ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	3.54556	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.28963	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	0.92295	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05164	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00758	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.02619	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38798	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99140	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.16035	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.23697	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37067	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10982	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.40008	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.27284	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02459	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37724	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=Styrene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	1.13702	ND	1.40	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02585	ND	0.06	mg/kg	
Table 1 Phase II	SW8240	S	.	0.32666	ND	1.30	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Styrene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.00575	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00169	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01407	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.37474	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.45839	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00641	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	2.54759	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00449	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00036	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00111	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00106	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00150	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01318	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00185	ND	0.00221	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00234	ND	0.00235	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00686	ND	0.00796	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00138	ND	0.00234	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00028	ND	0.00175	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00059	ND	0.00224	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00128	ND	0.00824	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00736	ND	0.00804	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00059	ND	0.00164	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00164	ND	0.00180	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00123	ND	0.00155	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00410	ND	0.01130	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00117	ND	0.00212	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00089	ND	0.00169	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00159	ND	0.00170	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00022	ND	0.01200	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=TRPH ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	E418.1	S	1070	1070.00	DET	27.7	mg/kg	
Table 1 Phase II	E418.1	S	968	968.00	DET	26.1	mg/kg	
Table 1 Phase II	E418.1	S	1250	1250.00	DET	47.9	mg/kg	
Table 1 Phase II	E418.1	S	1780	1780.00	DET	53.1	mg/kg	
Table 1 Phase II	E418.1	S	.	4.14	ND	28.7	mg/kg	
Table 1 Phase II	E418.1	S	.	11.89	ND	24.2	mg/kg	
Table 1 Phase II	E418.1	S	.	19.69	ND	24.7	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=TRPH ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	E418.1	S	.	11.06	ND	27.0	mg/kg	
Table 1 Phase II	E418.1	S	.	16.95	ND	25.4	mg/kg	
Table 1 Phase II	E418.1	S	.	12.71	ND	26.6	mg/kg	
Table 1 Phase II	E418.1	S	2380.0	2380.00	DET	101.0	mg/kg	
Table 1 Phase II	E418.1	S	3760.0	3760.00	DET	104.0	mg/kg	
Table 1 Phase II	E418.1	S	43.2	43.20	DET	23.8	mg/kg	
Table 1 Phase II	E418.1	S	.	6.16	ND	26.7	mg/kg	
Table 1 Phase II	E418.1	S	4030.0	4030.00	DET	123.0	mg/kg	
Table 1 Phase II	E418.1	S	.	0.97	ND	25.0	mg/kg	
Table 1 Phase II	E418.1	S	.	21.76	ND	25.7	mg/kg	
Table 1 Phase II	E418.1	S	.	3.24	ND	24.6	mg/kg	
Table 1 Phase II	E418.1	S	.	24.05	ND	25.9	mg/kg	
Table 1 Phase II	E418.1	S	1170.0	1170.00	DET	52.2	mg/kg	

N = 20

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.86854	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03882	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.39446	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00494	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00113	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00125	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.52692	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.41336	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00542	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	1.18805	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00224	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00068	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00199	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00383	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00024	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03684	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00586	ND	0.00647	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00122	ND	0.00689	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.01526	ND	0.02340	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00202	ND	0.00686	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00174	ND	0.00514	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00094	ND	0.00656	mg/kg	
Table 2 Phase I	SW8240	S	.	0.02370	ND	0.02420	mg/kg	X

---------- SWMU=FTA Method=Organics Analyte=Tetrachloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	0.013206	ND	0.02360	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.003373	ND	0.00482	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000813	ND	0.00529	mg/kg	
Table 2 Phase I	SW8240	S	.	0.004197	ND	0.00453	mg/kg	
Table 2 Phase I	SW8240	S	.	0.007060	ND	0.01690	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002136	ND	0.00622	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000041	ND	0.00496	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001464	ND	0.00499	mg/kg	
Table 2 Phase I	SW8240	S	.	0.009919	ND	0.03510	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Toluene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	6.700	6.700	DET	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	13.000	13.000	DET	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	0.001	0.001	DET	0.00720	mg/kg	J
Table 1 Phase II	SW8240	S	0.000	0.000	DET	0.00620	mg/kg	J
Table 1 Phase II	SW8240	S	0.008	0.008	DET	0.03200	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	6.900	6.900	DET	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	1.200	1.200	DET	6.10000	mg/kg	J
Table 1 Phase II	SW8240	S	0.001	0.001	DET	0.00630	mg/kg	J
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	5.300	5.300	DET	2.42000	mg/kg	
Table 2 Phase I	SW8240	S	0.333	0.333	DET	0.64400	mg/kg	J
Table 2 Phase I	SW8240	S	197.000	197.000	DET	1.81000	mg/kg	
Table 2 Phase I	SW8240	S	13.500	13.500	DET	2.55000	mg/kg	
Table 2 Phase I	SW8240	S	0.003	0.003	DET	0.00184	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.00235	mg/kg	
Table 2 Phase I	SW8240	S	184.000	184.000	DET	1.82000	mg/kg	
Table 2 Phase I	SW8240	S	177.000	177.000	DET	8.96000	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000	ND	0.00173	mg/kg	
Table 2 Phase I	SW8240	S	.	0.002	ND	0.00189	mg/kg	
Table 2 Phase I	SW8240	S	.	0.000	ND	0.00162	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Toluene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	1.34	1.3400	DET	0.20300	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0004	ND	0.00223	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0001	ND	0.00178	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0005	ND	0.00179	mg/kg	
Table 2 Phase I	SW8240	S	76.20	76.2000	DET	2.75000	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Total xylenes ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	36.000	36.000	DET	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	2.000	2.000	DET	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	56.000	56.000	DET	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	0.920	0.920	DET	0.0320	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	22.000	22.000	DET	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.002	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	97.000	97.000	DET	6.1000	mg/kg	
Table 1 Phase II	SW8240	S	0.033	0.033	DET	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.001	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.000	ND	0.0081	mg/kg	
Table 1 Phase II	SW8240	S	0.002	0.002	DET	0.0065	mg/kg	J
Table 1 Phase II	SW8240	S	0.006	0.006	DET	0.0570	mg/kg	J
Table 2 Phase I	SW8240	S	39.800	39.800	DET	7.5100	mg/kg	B
Table 2 Phase I	SW8240	S	7.740	7.740	DET	2.0000	mg/kg	B
Table 2 Phase I	SW8240	S	340.000	340.000	DET	5.6300	mg/kg	B
Table 2 Phase I	SW8240	S	54.300	54.300	DET	7.9300	mg/kg	B
Table 2 Phase I	SW8240	S	0.003	0.003	DET	0.0039	mg/kg	J
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0050	mg/kg	
Table 2 Phase I	SW8240	S	373.000	373.000	DET	5.6500	mg/kg	B
Table 2 Phase I	SW8240	S	360.000	360.000	DET	27.8000	mg/kg	B
Table 2 Phase I	SW8240	S	.	0.000	ND	0.0037	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0041	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0035	mg/kg	
Table 2 Phase I	SW8240	S	21.800	21.800	DET	0.6320	mg/kg	B
Table 2 Phase I	SW8240	S	.	0.000	ND	0.0048	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0038	mg/kg	
Table 2 Phase I	SW8240	S	.	0.001	ND	0.0038	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Total xylenes ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	351	351	DET	8.54	mg/kg	B

N = 32

---------- SWMU=FTA Method=Organics Analyte=Trichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.05779	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03752	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	1.17797	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00139	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00560	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00725	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03371	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.63216	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00125	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	0.81083	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00187	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00600	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00368	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00392	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00066	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03869	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00140	ND	0.00662	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00298	ND	0.00705	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00874	ND	0.02390	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00634	ND	0.00701	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00266	ND	0.00525	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00550	ND	0.00671	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01999	ND	0.02470	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00222	ND	0.02410	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00205	ND	0.00492	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00455	ND	0.00541	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00055	ND	0.00464	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01024	ND	0.01860	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00574	ND	0.00636	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00451	ND	0.00507	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00493	ND	0.00510	mg/kg	
Table 2 Phase I	SW8240	S	.	0.03176	ND	0.03590	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=Vinyl acetate ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.2133	ND	2.8000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0043	ND	0.1200	mg/kg	
Table 1 Phase II	SW8240	S	.	1.9345	ND	2.7000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0109	ND	0.0140	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0045	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0043	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.3330	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.6698	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0024	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	10.3759	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0005	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0024	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0097	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0040	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0068	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.0373	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0147	ND	0.0149	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0061	ND	0.0159	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0517	ND	0.0539	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.0109	ND	0.0158	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0098	ND	0.0118	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0068	ND	0.0151	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0283	ND	0.0558	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0429	ND	0.0544	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0073	ND	0.0111	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0036	ND	0.0122	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0028	ND	0.0105	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0077	ND	0.0172	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0007	ND	0.0143	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0037	ND	0.0114	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0096	ND	0.0115	mg/kg	
Table 2 Phase I	SW8240	S	.	0.0572	ND	0.0810	mg/kg	

N = 32

---------- SWMU=FTA Method=Organics Analyte=Vinyl chloride ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.68329	ND	2.800	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04480	ND	0.120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.15518	ND	2.700	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00329	ND	0.014	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00390	ND	0.012	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=Vinyl chloride ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.02969	ND	0.0630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.35363	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	1.06705	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00087	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	8.94577	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00537	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01201	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00307	ND	0.0120	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00032	ND	0.0160	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01214	ND	0.0130	mg/kg	
Table 1 Phase II	SW8240	S	.	0.10603	ND	0.1100	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00028	ND	0.0028	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00099	ND	0.0030	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00723	ND	0.0102	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00204	ND	0.0030	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00102	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00125	ND	0.0029	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00334	ND	0.0105	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00009	ND	0.0103	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00076	ND	0.0021	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00218	ND	0.0023	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00044	ND	0.0020	mg/kg	
Table 2 Phase I	SW8240	S	.	0.01055	ND	0.0189	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00014	ND	0.0027	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00001	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00135	ND	0.0022	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00887	ND	0.0153	mg/kg	

N = 32

--------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethoxy)methane ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.17445	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.81254	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	3.07715	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30003	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.12768	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.27550	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99970	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.45279	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15896	ND	0.44	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethoxy)methane ---------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	0.41799	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24265	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.14994	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.19383	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15461	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15704	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01260	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.63451	ND	1.0200	mg/kg	
Table 2 Phase I	SW8270	S	.	0.48436	ND	1.0400	mg/kg	
Table 2 Phase I	SW8270	S	.	0.17752	ND	0.7560	mg/kg	
Table 2 Phase I	SW8270	S	.	0.56013	ND	1.0900	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01154	ND	0.0349	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01774	ND	0.6060	mg/kg	
Table 2 Phase I	SW8270	S	.	0.62030	ND	0.7010	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00987	ND	0.0279	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01657	ND	0.0242	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02558	ND	0.0290	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02238	ND	0.0264	mg/kg	
Table 2 Phase I	SW8270	S	.	0.98500	ND	1.0800	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethyl) ether ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.54400	ND	4.600	mg/kg	
Table 1 Phase II	SW8270	S	.	1.87008	ND	4.000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.50556	ND	4.400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42422	ND	0.470	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20591	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58188	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.27867	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	1.61866	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29816	ND	0.440	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20165	ND	1.600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32417	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30735	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32218	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17463	ND	0.430	mg/kg	
Table 1 Phase II	SW8270	S	.	0.62035	ND	0.860	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05452	ND	0.380	mg/kg	
Table 2 Phase I	SW8270	S	.	0.53150	ND	0.784	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroethyl) ether ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.22617	ND	0.7990	mg/kg	
Table 2 Phase I	SW8270	S	.	0.45003	ND	0.5830	mg/kg	
Table 2 Phase I	SW8270	S	.	0.78926	ND	0.8410	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01323	ND	0.0269	mg/kg	
Table 2 Phase I	SW8270	S	.	0.24808	ND	0.4670	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18961	ND	0.5410	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01537	ND	0.0215	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01689	ND	0.0187	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00469	ND	0.0224	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00206	ND	0.0203	mg/kg	
Table 2 Phase I	SW8270	S	.	0.80201	ND	0.8360	mg/kg	

N = 28

-------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroisopropyl)ether ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.28988	ND	4.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.13572	ND	4.0000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.62478	ND	4.4000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.05326	ND	0.4700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37043	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	1.49113	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.00806	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.24183	ND	1.7000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.08850	ND	0.4400	mg/kg	
Table 1 Phase II	SW8270	S	.	1.21473	ND	1.6000	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29551	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.29828	ND	0.4200	mg/kg	
Table 1 Phase II	SW8270	S	.	0.37414	ND	0.4100	mg/kg	
Table 1 Phase II	SW8270	S	.	0.42599	ND	0.4300	mg/kg	
Table 1 Phase II	SW8270	S	.	0.30990	ND	0.8600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.34207	ND	0.3800	mg/kg	
Table 2 Phase I	SW8270	S	.	0.18546	ND	0.7130	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08551	ND	0.7260	mg/kg	
Table 2 Phase I	SW8270	S	.	0.43573	ND	0.5300	mg/kg	
Table 2 Phase I	SW8270	S	.	0.51664	ND	0.7640	mg/kg	
Table 2 Phase I	SW8270	S	.	0.02235	ND	0.0244	mg/kg	
Table 2 Phase I	SW8270	S	.	0.36184	ND	0.4240	mg/kg	
Table 2 Phase I	SW8270	S	.	0.25111	ND	0.4910	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00343	ND	0.0196	mg/kg	
Table 2 Phase I	SW8270	S	.	0.00055	ND	0.0169	mg/kg	

-------- SWMU=FTA Method=Organics Analyte=bis(2-Chloroisopropyl)ether --------- (continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8270	S	.	0.01002	ND	0.0203	mg/kg	
Table 2 Phase I	SW8270	S	.	0.01849	ND	0.0185	mg/kg	
Table 2 Phase I	SW8270	S	.	0.38969	ND	0.7590	mg/kg	

N = 28

--------- SWMU=FTA Method=Organics Analyte=bis(2-Ethylhexyl)phthalate ---------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	4.36250	ND	4.600	mg/kg	
Table 1 Phase II	SW8270	S	.	1.97278	ND	4.000	mg/kg	
Table 1 Phase II	SW8270	S	.	1.58031	ND	4.400	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10566	ND	0.470	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02233	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	1.55211	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38602	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.01874	ND	1.700	mg/kg	
Table 1 Phase II	SW8270	S	.	0.15504	ND	0.440	mg/kg	
Table 1 Phase II	SW8270	S	.	0.99058	ND	1.600	mg/kg	
Table 1 Phase II	SW8270	S	.	0.10843	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09783	ND	0.420	mg/kg	
Table 1 Phase II	SW8270	S	.	0.07677	ND	0.410	mg/kg	
Table 1 Phase II	SW8270	S	.	0.09963	ND	0.430	mg/kg	
Table 1 Phase II	SW8270	S	.	0.38353	ND	0.860	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17009	ND	0.380	mg/kg	
Table 2 Phase I	SW8270	S	.	0.48542	ND	4.270	mg/kg	
Table 2 Phase I	SW8270	S	.	2.12766	ND	4.350	mg/kg	
Table 2 Phase I	SW8270	S	.	2.69015	ND	3.180	mg/kg	
Table 2 Phase I	SW8270	S	.	3.72742	ND	4.580	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08705	ND	0.146	mg/kg	
Table 2 Phase I	SW8270	S	.	1.66469	ND	2.540	mg/kg	
Table 2 Phase I	SW8270	S	.	2.32154	ND	2.940	mg/kg	
Table 2 Phase I	SW8270	S	.	0.05343	ND	0.117	mg/kg	
Table 2 Phase I	SW8270	S	.	0.08834	ND	0.102	mg/kg	
Table 2 Phase I	SW8270	S	.	0.03049	ND	0.122	mg/kg	
Table 2 Phase I	SW8270	S	.	0.07979	ND	0.111	mg/kg	
Table 2 Phase I	SW8270	S	.	1.56302	ND	4.550	mg/kg	

N = 28

---------- SWMU=FTA Method=Organics Analyte=cis-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.86469	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03725	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.24880	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00235	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00597	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00943	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.34160	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.29132	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00466	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	0.01303	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00133	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00011	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00498	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00524	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00102	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05307	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00007	ND	0.00219	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00145	ND	0.00233	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00561	ND	0.00791	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00123	ND	0.00232	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00040	ND	0.00174	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00087	ND	0.00222	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00303	ND	0.00818	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00541	ND	0.00798	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00142	ND	0.00163	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00018	ND	0.00179	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00007	ND	0.00153	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00151	ND	0.00567	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00081	ND	0.00210	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00141	ND	0.00168	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00063	ND	0.00169	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00201	ND	0.01190	mg/kg	X

N = 32

---------- SWMU=FTA Method=Organics Analyte=o-Toluidine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.71860	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	1.57643	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	4.02306	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20473	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.22529	ND	0.41	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=o-Toluidine ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.13989	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	1.20037	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.95570	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32686	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	0.76277	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21822	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33827	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13031	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33801	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.51452	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.02843	ND	0.38	mg/kg	

N = 16

--------- SWMU=FTA Method=Organics Analyte=p-Dimethylaminoazobenzene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	1.38838	ND	4.60	mg/kg	
Table 1 Phase II	SW8270	S	.	3.80193	ND	4.00	mg/kg	
Table 1 Phase II	SW8270	S	.	2.62351	ND	4.40	mg/kg	
Table 1 Phase II	SW8270	S	.	0.45771	ND	0.47	mg/kg	
Table 1 Phase II	SW8270	S	.	0.32919	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	1.49924	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.53872	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.63242	ND	1.70	mg/kg	
Table 1 Phase II	SW8270	S	.	0.21758	ND	0.44	mg/kg	
Table 1 Phase II	SW8270	S	.	1.02386	ND	1.60	mg/kg	
Table 1 Phase II	SW8270	S	.	0.17690	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.26248	ND	0.42	mg/kg	
Table 1 Phase II	SW8270	S	.	0.33364	ND	0.41	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20970	ND	0.43	mg/kg	
Table 1 Phase II	SW8270	S	.	0.13166	ND	0.86	mg/kg	
Table 1 Phase II	SW8270	S	.	0.20547	ND	0.38	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=p-Phenylenediamine ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	
Table 1 Phase II	SW8270	S	.	.	ND	.	mg/kg	

N = 16

---------- SWMU=FTA Method=Organics Analyte=trans-1,2-Dichloroethene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.01450	ND	1.4000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.05747	ND	0.0600	mg/kg	
Table 1 Phase II	SW8240	S	.	0.10818	ND	1.3000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00214	ND	0.0072	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00152	ND	0.0062	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00489	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.08621	ND	0.6300	mg/kg	
Table 1 Phase II	SW8240	S	.	0.12621	ND	0.6500	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00085	ND	0.0067	mg/kg	
Table 1 Phase II	SW8240	S	.	2.90758	ND	12.0000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00025	ND	0.0063	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00031	ND	0.0064	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00429	ND	0.0061	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00483	ND	0.0081	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00372	ND	0.0065	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04092	ND	0.0570	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00051	ND	0.0032	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00297	ND	0.0034	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00200	ND	0.0115	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00145	ND	0.0034	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00168	ND	0.0025	mg/kg	

---------- SWMU=FTA Method=Organics Analyte=trans-1,2-Dichloroethene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0017214	ND	0.00322	mg/kg	
Table 2 Phase I	SW8240	S	.	.0083170	ND	0.01180	mg/kg	
Table 2 Phase I	SW8240	S	.	.0055879	ND	0.01160	mg/kg	
Table 2 Phase I	SW8240	S	.	.0007936	ND	0.00236	mg/kg	
Table 2 Phase I	SW8240	S	.	.0024061	ND	0.00259	mg/kg	
Table 2 Phase I	SW8240	S	.	.0000406	ND	0.00222	mg/kg	
Table 2 Phase I	SW8240	S	.	.0085439	ND	0.01790	mg/kg	
Table 2 Phase I	SW8240	S	.	.0008817	ND	0.00305	mg/kg	
Table 2 Phase I	SW8240	S	.	.0009421	ND	0.00243	mg/kg	
Table 2 Phase I	SW8240	S	.	.0002135	ND	0.00245	mg/kg	
Table 2 Phase I	SW8240	S	.	.0000472	ND	0.01720	mg/kg	

N = 32

--------- SWMU=FTA Method=Organics Analyte=trans-1,3-Dichloropropene ----------

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 1 Phase II	SW8240	S	.	0.90459	ND	1.40000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.02788	ND	0.06000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.57847	ND	1.30000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00056	ND	0.00720	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00359	ND	0.00620	mg/kg	
Table 1 Phase II	SW8240	S	.	0.03120	ND	0.03200	mg/kg	
Table 1 Phase II	SW8240	S	.	0.42139	ND	0.63000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00816	ND	0.65000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00152	ND	0.00670	mg/kg	
Table 1 Phase II	SW8240	S	.	3.99602	ND	6.10000	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00090	ND	0.00630	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00569	ND	0.00640	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00072	ND	0.00610	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00193	ND	0.00810	mg/kg	
Table 1 Phase II	SW8240	S	.	0.00445	ND	0.00650	mg/kg	
Table 1 Phase II	SW8240	S	.	0.04936	ND	0.05700	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00085	ND	0.00237	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00118	ND	0.00252	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00384	ND	0.00855	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00068	ND	0.00251	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00017	ND	0.00188	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00033	ND	0.00240	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00454	ND	0.00884	mg/kg	
Table 2 Phase I	SW8240	S	.	0.00497	ND	0.00863	mg/kg	X
Table 2 Phase I	SW8240	S	.	0.00046	ND	0.00176	mg/kg	

--------- SWMU=FTA Method=Organics Analyte=trans-1,3-Dichloropropene ----------
(continued)

Data Source	Analytical Method	Lab Matrix	Result	Est. Conc (a)	Flag	RL	Units	Lab Footnote
Table 2 Phase I	SW8240	S	.	.0005417	ND	0.00193	mg/kg	
Table 2 Phase I	SW8240	S	.	.0013668	ND	0.00166	mg/kg	
Table 2 Phase I	SW8240	S	.	.0003018	ND	0.00824	mg/kg	
Table 2 Phase I	SW8240	S	.	.0002342	ND	0.00228	mg/kg	
Table 2 Phase I	SW8240	S	.	.0013039	ND	0.00181	mg/kg	
Table 2 Phase I	SW8240	S	.	.0005796	ND	0.00182	mg/kg	
Table 2 Phase I	SW8240	S	.	.0092085	ND	0.01280	mg/kg	X

N = 32

ATTACHMENT A-2

Air Emissions Methodology

A.2.1 INTRODUCTION

Emission rates of chemical compounds due to volatilization and wind entrainment of contaminated dust were determined for the fire training area (FTA) at the Holloman Air Force Base (AFB). Emissions were estimated using predictive equations as recommended by the U.S. Environmental Protection Agency (EPA). The emission rates were then input into EPA-approved air quality dispersion models to estimate the average chemical concentrations in the atmosphere at on-site and occupational offsite receptor locations. The predicted concentrations were used to estimate health risks to exposed populations. This attachment presents the methodology used to calculate the emissions and perform the dispersion modeling and reports the modeling results. The methodology is similar to that previously used for Holloman risk assessment modeling. Section A.2.1 presents the emission estimation procedures and Section A.2.2 presents the air quality dispersion modeling analyses.

A.2.2 EMISSION ESTIMATES

Emission rates of chemicals detected at the FTA were calculated using emission rate equations applicable to various emission mechanisms. The various types of mechanisms considered included:

- Volatilization of organic compounds from near-surface soil contamination (contamination found between 0 and 2 ft below the soil surface);
- Volatilization of organic compounds from wastes buried below the soil surface (contamination found below the 2 ft depth); and
- Wind entrainment of contaminated surface soil (surface contamination; 0 to 2 ft).

The volatility of organic compounds found in the soil samples was determined in accordance with guidance provided in the EPA document, *Risk Assessment Guidance for Superfund: Volume 1* (1989), (i.e., chemicals with Henry's Law constants of 1×10^{-5} atm-m^3/mole or greater and molecular weights of 200 g/mole). Compounds considered "volatile" were evaluated for the various volatilization emission mechanisms. The remaining compounds were considered non-volatile and were evaluated for the various entrained dust emission mechanisms.

A.2.1.1 Volatilization from Surface Contamination

The estimation of emission rates due to volatilization from open landfills (i.e., open dump) was based on the method of Shen (1981) which incorporates Arnold's equation (Arnold, 1944) and Ziegler's modification (Ziegler, 1979). This equation was determined to be the most applicable equation to estimate emissions of volatile compounds detected at or near the surface (0 to 2 ft) of the studied sites.

The equation, shown below, was used to calculate the emissions of surface-detected volatiles.

$$E_i = \frac{2C_e w}{A}\sqrt{\left(\frac{DLv}{\pi F_v}\right)}\left(\frac{W_i}{W}\right)P_i$$

where: E_i = emission rate (g/m^2-sec)

C_e = equilibrium vapor pressure (fraction)

L = length of open dump (cms)

D = diffusion coefficient (cm^2/sec)

v = wind speed (cms/sec)

F_v = correction factor = C_e (-0.848) + 1.0635

W_i/W = weight % of component i in bulk waste (g/g)

w = width of open dump (cms)

A = area of open dump (m^2)

P_i = gas density of component i

The annual average wind speed (v) for the Holloman AFB area used in the above equation is 2.57 m/sec. The weight fraction (W_i/W) of each volatile compound used in the above equation was the average concentration measured at the site. Contaminants detected between 0 and 2 ft below the soil surface were considered as surface contaminants. All other input parameters were either site-specific and based on site characteristics or compound-specific and based upon values found in the literature.

The physical properties of the FTA are listed in Table A.2-1. The chemical properties and average concentrations of all compounds are shown in Table A.2-2.

Table A.2-1
Site Characterisitics

SWMU	IRP Site ID	Length (m)	Width (m)	Area (m^2)	Vegetative Cover (%)	Porosity	Erodi-bility	Silt Content (%)
FTA [a]	135	30	30	900	30	0.4	180	30

[a] The FTA includes two Table 1 SWMUs (170 and 171) and three Table 2 SWMUs (39, 127, and 135).

Table A.2-2
Emission Characterisitcs for Contaminants

SWMU	Type	Chemicals	Volatility[a]	MW	VP	Diff.Coeff	Top (ft)	Bottom (ft)	Site Average Concentration (mg/kg)
FTA, 39, 127, 135, 170, 171	Metals	Arsenic	N				0	2	7.200
		Barium	N				0	2	159.600
		Cadmium	N				0	2	0.214
	Organics	Benzene	V	78	118.74	0.0923	0	2	0.491
		Benzo(a)pyrene	N	252.32	5.00e-09	0.046	0	2	0.161
		Benzo(b)fluoranthene	N				0	2	0.285
	Metals	Barium	N				2	4	78.156
		Selenium	N				2	4	2.262
	Organics	4-Chloroaniline	V	127.57	0.03697	0.056	2	4	0.746
		Benzene	V	78	118.74	0.0923	2	4	1.185
		Ethylbenzene	V	116	12.55	0.0707	2	4	29.198
		Toluene	V	92	36.52	0.08301	2	4	21.334

[a] Based upon Henry's Law constant and molecular weight; V = volatile, N = non-volatile.

A.2.1.2 Volatilization of Buried Waste

The Shen equation was also used to estimate emissions from buried wastes, defined as soil contamination below a depth of 2 feet. The Shen equation was derived from Fick's Law for steady-state diffusion and is given as:

$$E_i = D_i C_s A P_t^{\frac{4}{3}} \frac{W_i}{L}$$

where: E_i = emission rate (g/sec)

D_i = diffusion coefficient (cm^2/sec);

C_s = saturation vapor concentration of component i (g/cm^3)

A = area of open dump (cm^2)

P_t = soil porosity (dimensionless)

W_i = weight % of component i in bulk waste (g/g)

L = effective depth of soil cover (cms)

Because site-specific data were not available, site characteristics including soil porosity were based upon the physical characteristics of IRP Site OT-36 which is located in the general area of the FTA. These site values were assumed constant over the entire depth of contamination. The weight percent (W_i) of each compound used in the above equation was the average concentration measured at the site. A minimum depth of cover (L) of 2 ft was assumed for all buried wastes, since contamination detected between 0 and 2 ft was considered surface contamination.

A.2.1.3 Wind Blown Dust

Non-volatile organics and metals can enter the atmosphere through wind erosion and entrainment of contaminated surface soil. The wind-blown dust equation (Bohn et al., 1978), shown below, was used to calculate the total dust emissions.

$$E = 3400 \frac{\frac{e}{50} \times \frac{s}{15} \times \frac{f}{25}}{\left(\frac{P-E}{50}\right)^2} \times (1 - VC)$$

where: E = emission rate (lb/acre-yr)

e = surface erodibility

s = silt content

f = percentage of time wind exceeds 12 mph (12%)

P-E = Thornthwaite's Precipitation-Evaporation Index (19 for Holloman AFB area)

VC = vegetative cover (fraction)

The emission rate of each non-volatile chemical was then calculated by multiplying the dust emission rate by the average measured concentration of the chemical in the surface soil (0 to 2 ft). The site characteristics were determined from those at IRP Site OT-36 (Table A.2-1). The emission characteristics of each chemical associated with wind-blown dust is shown in Table A.2-2.

A.2.1.4 Current Versus Future Emissions

Emissions characterizing those expected from current activity at the site were determined from the average and upper contaminant levels (UCL) found in the surface soil layers (0 to 2 ft). Emissions from both volatilization and wind blown dust for those depths were used to determine current concentrations. Emissions characterizing future scenarios were developed from the average and UCL contaminant levels found in subsurface soils (2 to 4 ft). These values were used to determine potential concentrations occurring from currently buried soil contamination.

A.2.2 MODELING METHODOLOGY

The dispersion modeling was performed in accordance with guidance provided in the EPA document *Guideline on Air Quality Models (Revised).* Two modeling approaches were used to predict air pathway transport of contaminants and resulting ambient concentrations; the simplistic box model and the Industrial Source Complex Long-Term (ISCLT) dispersion model (version 93109).

A.2.2.1 Box Model

To assess potential contaminant concentrations within the area sources (on-site receptors) the box model was used. The box model conservatively predicts concentrations of both volatilized and wind-

blown material which may affect on-site workers. Model assumptions equate the flux of material with the pollutant specific emission factor, the dimensions of the site, and the average wind speed. This approach is consistent with that presented in *Risk Assessment Guidance for Superfund* (EPA, 1989). The governing equation can be written as:

$$\text{Conc} = \frac{EF \times A}{V \times DH \times LS}$$

where: EF = the pollutant specific emission factor (g/m^2-sec)

A = the area of the site (m^2)

V = the average wind speed (2.57 m/sec)

DH = height of the box (2 m)

LS = length of the box (m)

A.2.2.2 ISCLT Model

Because of the need to predict the potential contaminant concentrations at receptors located beyond the areas of contamination, the ISCLT model was used. The ISCLT model was used in previous risk assessment modeling for the Holloman AFB. The model is a steady-state Gaussian plume model which calculates ground-level concentrations for an annual averaging period from different types of sources, including area sources. The regulatory default options were selected in this analysis to provide conservative assessments of the potential concentrations. The options included rural dispersion coefficients, flat terrain, and an infinite pollutant half-life.

Meteorological data used in this analysis were collected at Holloman AFB during the period 1949 to 1970. The surface observations were summarized into a statistical array consisting of the 20-yr composite annual frequency distribution of wind speed, wind direction, and stability class. The meteorological data set has been used in previous modeling analyses for Holloman AFB.

A.2.2.3 Receptor Locations

Concentrations of potentially emitted pollutants were calculated at receptor locations defined for each specific model: the box-model and ISCLT model. The receptors for the box model were located "on-site" (i.e., atop the contaminated areas). Receptors were used in the ISCLT model to determine potential transport of emitted contaminants away from the areas of contamination. The "off-site" receptors were placed at a routinely habited (at least occupied during working hours) building nearest the site to determine potential occupational exposures. The "off-site" receptor used was the Space Command building for the FTA.

A.2.2.4 Emission Source Characteristics and Modeled Results

The ISCLT model requires square, area sources oriented true north-south as input, therefore all of the emission sites were modeled as area sources. Each site was modeled with a square area equivalent to the areal extent of the source. The source areal dimensions are given in Table A.2-1.

To simplify the modeling analysis, each source was modeled at a unit emission rate (1 g/m^2-sec). The maximum ground-level calculated concentration was then multiplied by the contaminant specific emission rate as calculated in the previous section. Emission rates for each contaminant and site are given in Table A.2-3. Predicted specific receptor and maximum contaminant concentrations are shown in Table A.2-4.

A.2.3 REFERENCES

Arnold, J.H., 1994. "Unsteady-State Vaporization and Absorption," *Transaction of American Institute of Chemical Engineers*, 30 p., 361-379.

Bohn, R., et al., 1978. *Fugitive Emissions from Integrated Iron and Steel Plants,* Midwest Research Institute for USEPA, ORD.

Shen, T:, 1981. "Estimating Hazardous Air Emissions from Dispsoal Sites," *Pollution Engineering*, August 1981.

Ziegler, R.C., 1979. Personal communication, Calspan Corporation, Buffalo, NY, 1979.

Table A.2-3
Mean Emission Rates by Site and Compound

SWMU	Compound	Emission Rate (g/m^2-sec)			
		Surface		Subsurface	
		Volatile	Non-volatile	Volatile	Nonvolatile
FTA 39, 127, 135, 170, 171	4-Chloroaniline	--	--	3.0e-20	0
	Arsenic	0	1.45e-12	--	--
	Barium	0	3.23e-11	0	1.58e-11
	Benzene	3.77e-16	0	--	--
	Benzo(a)pyrene	0	3.26e-14	--	--
	Benzo(b)fluoranthene	0	5.77e-14	--	--
	Cadmium	0	4.33e-14	--	--
	Ethylbenzene	--	--	4.50e-16	0
	Selenium	--	--	0	4.57e-13
	Toluene	--	--	9.00e-16	0

Table A.2-4
Modeled Concentrations by Site, Receptor, and Pollutant

SWMU	IRP Site ID	Compound	Concentrations (µg/m³)							
			Modeled Scenario Receptor Locations							
			Current On-Site		Future On-Site		Current Occupational		Future Occupational	
			Avg	UCL	Avg	UCL	Avg	UCL	Avg	UCL
FTA 39, 127, 135, 170, 171	135	4-Chloroaniline			1.92e-13	2.80e-13			3.30e-17	4.79e-17
		Arsenic	9.45e-06	3.68e-05			1.62e-09	6.30e-09		
		Barium	2.09e-04	7.68e-04	1.03e-04	1.23e-04	3.59e-08	1.32e-07	1.76e-08	2.11e-08
		Benzene	2.45e-09	6.14e-09			4.19e-13	1.05e-12		
		Benzo(a)pyrene	2.11e-07	3.10e-07			3.62e-11	5.31e-11		
		Benzo(b)fluoranthene	3.74e-07	5.38e-07			6.41e-11	9.21e-11		
		Cadmium	2.81e-07	1.36e-06			4.81e-11	2.33e-10		
		Ethylbenzene			2.93e-09	5.00e-09			5.03e-13	8.56e-13
		Selenium			2.97e-06	3.56e-06			5.08e-10	6.10e-10
		Toluene			5.81e-09	1.03e-08			9.95e-13	1.77e-12

ATTACHMENT A-3

Toxicity Assessment

A.3.1 TOXICITY ASSESSMENT

Available toxicity information for each of the COPCs is presented in this Appendix. This information includes a listing of standard EPA toxicity values, toxicity values derived for use with this risk assessment, and a brief description of the adverse health effects associated with exposure to each of the chemicals. The uncertainties associated with the toxicity information are also discussed.

A.3.1.1 Toxicity Values Used in the Risk Assessment

This section summarizes the available toxicity information for each of the chemicals of concern with potential for human exposure. The relevant information includes standard EPA toxicity values and toxicity values derived for use in the risk assessment. The information in this section was used in determining the risks associated with noncarcinogenic effects RfDs and RfCs carcinogenic potential (slope factors and inhalation unit risks), and weight of evidence classification.

Toxicity Values for Noncarcinogenic Effects

The RfD and RfC values for the COPCs are presented in Table A.3-1 and were obtained from either IRIS (EPA, April 1995) or HEAST (EPA, 1994). Unless a specific dermal RfD was listed in IRIS or HEAST, the RfD for dermal exposure was derived as described in this attachment. When available, inhalation reference concentrations are included.

Toxicity Values for Carcinogenic Effects

Oral and inhalation slope factors for COPCs classified by EPA as carcinogens are also presented in Table A.3-1. These values were also obtained from IRIS (April 1995) or HEAST (EPA, 1994). Dermal slope factors were derived as described in this attachment. When available, inhalation unit risk factors were included.

Table A.3-1
Summary of RfDs, RfCs, and Slope Factors

Chemical of Potential Concern	EPA Class	Oral RfD mg/kg/day		Inhalation RfC µg/m3		Oral SF 1/(mg/kg/day)	Inhalation Unit Risk 1/(µg/m3)	Dermal RfD mg/kg/day		Dermal SF 1/(mg/kg/day)
		Chronic	Subchronic	Chronic	Subchronic			Chronic	Subchronic	
4-Chloroaniline		0.004a	--	--	--	--	--	0.0002	--	--
Arsenic	A	0.0003a	0.0003b	--	--	1.75a	0.0043a	0.000285i	0.00029i	1.79i
Barium		0.07a	0.07b	0.0005b	0.005b	--	--	0.0035i	0.0035i	--
Benzene	A	--	--	--	--	0.029a	0.0000083a	--	--	0.58
Benzo(a)pyrene	B2	--	--	--	--	7.3a	--	--	--	9.13i
Benzo(b)fluoranthene	B2	--	--	--	--	0.73h	--	--	--	0.913i
Cadmium	B1	0.001a	--	--	--	--	0.0018a	0	--	--
Ethylbenzene	D	0.1a	1b	1000a	1.00e+03	--	--	0.005	0.05	--
Selenium	D	0.005a	0.005b	--	--	--	--	0.0003	0.00025	--
Toluene	D	0.2a	2b	400a	400a	--	--	0.01	0.1	--

RfD = Reference Dose
RfC = Reference Concentration
SF = Slope Factor

[a] IRIS on-line search (03/95).
[b] HEAST, 1994.
[c] EPA Region VIII.
[d] Provisional RfD, EPA, 1992.
[e] Listed in HEAST, 1992; currently under review.
[f] HEAST, 1994; carcinogenic slope factor for 2,4-dimethylaniline.
[g] Slope factor for 2-4dimethylaniline used as proxy value for all isomers.
[h] Slope factor based on potential potency, EPA, 1993.
[i] GI derived.

Methodology for Deriving Toxicity Surrogates

In the assessment of toxicity resulting from dermal contact with contaminated media, it is necessary that both intake and the toxicity value used for the assessment be expressed in terms of absorbed dose. This ensures that a comparison can be made between the dermal intake and the toxicity value. Toxicity values for many contaminants are based on studies of administered oral doses. The EPA provides a methodology for adjusting oral toxicity factors to approximate dermal toxicity factors in Appendix A of the *Risk Assessment Guidance for Superfund (RAGS)*, Volume 1, Part A (EPA, 1989). When chemical-specific information is not available for the calculation of the adjustment between the oral and dermal toxicity factors, a default adjustment for oral absorption of 5% is recommended. This adjustment results in division of oral slope factors by a factor of 20 and, conversely, multiplication of oral RfDs by a factor of 20. EPA recommends that various sources for absorption efficiencies which should be used in place of this conservative default value when available.

Originally for this baseline risk assessment, COPCs posing dermal risk at the Holloman sites were identified using the EPA's guidance provided in *RAGS* (EPA, 1989). To better approximate the dermal toxicity of these constituents, a search of the available literature was undertaken to identify other methodologies for deriving dermal toxicity values from oral toxicity values. The methodology employed by Borgert et al., (1992), as presented Wang et al. (1992), was selected for use. This methodology applies chemical-specific gastrointestinal (GI) absorption efficiencies to the oral toxicity factors to approximate dermal toxicity. For constituents having oral slope factors, the slope factor was adjusted by dividing by the appropriate GI absorption efficiency. Constituents having oral RfDs were adjusted by multiplying that value by the appropriate GI absorption efficiency. In effect, this raises the slope factors and lowers the RfDs with respect to the oral toxicity factors. In this way, the derivation of dermal toxicity factors becomes a chemical-specific adjustment likely to generate a more accurate approximation of dermal toxicity.

Borgert et al., (1992) provides GI absorption factors for several polycyclic aromatic hydrocarbons. Additional GI values were found in the Agency for Toxic Substances and Disease Registry 's (ATSDR) toxicological profiles for various chemicals and ambient water quality criteria documents. Wherever a range of GI values was provided by any one study, the mean of that range was used as a discrete value in this assessment. Additionally, wherever more than one study or more than one GI value was identified for a particular chemical, the more conservative absorption rate was used in this assessment.

The adjusted toxicity values derived for the COPCs driving risk at the FTA are provided in Table A.3-1. GI absorption rates may be available for other COPCs that are not dermal risk drivers. For these chemicals, and for chemicals for which adjustment via the selected method is inappropriate, the more conservative default assumptions provided in Appendix A of *RAGS* (EPA, 1989) were used in the baseline risk assessment. For chemicals with inadequate oral toxicity information, dermal values were not calculated.

A.3.2 Health Effects Summaries

This section of the appendix summarizes the toxicity information available for the noncarcinogenic and carcinogenic effects associated with the COPCs. General information on the potential health effects associated with exposures to the chemicals is provided. Toxicity information on noncarcinogenic effects is provided for each contaminant that has an RfD value and includes the data that formed the basis for the derivation of that RfD. Information is also included for contaminants for which RfDs or slope factors were derived by alternative methods. Dermal toxicity values were derived as explained in Section 1.1.3 for all of the COPCs and can be found in Table A3-1. Information on the potential carcinogenic risk of each chemical is provided along with supporting data for the EPA weight of evidence classification. Unless otherwise stated, the information presented below is summarized from the data available from IRIS (EPA, April 1995) or HEAST (EPA, 1994).

4-Chloroaniline, or p-Chloroaniline (106-47-8)

Inhalation RfD—4.00E-3 mg/m^3, or 0.004 mg/m^3.

Carcinogen Classification—Not listed in IRIS or HEAST.

4-Chloroaniline, or p-chloroaniline, is considered to be more toxic than aniline. It can be absorbed through intact skin and may cause a more intense methemoglobinemia by that route than by mouth (Gosselin, 1984.)

Study Support—Groups of 20 and 50 F344 rats of each sex were exposed to p-chloroaniline in the diet at concentrations of 0, 250, or 500 ppm for 78 weeks followed by an observation period of 24 weeks. Gross and comprehensive histological examinations were performed on all animals after sacrifice. Significantly increased mortality occurred in the high-dose males and decreased average body weight gain

occurred in the high-dose females. Nonneoplastic proliferative lesions of the capsule of the spleen (focal fibrosis with subcapsular mesenchymal proliferation) occurred in most of the treated rats. Fibrosis or fatty infiltration of the splenic parenchyma occurred in some of the high-dose males and one of the high-dose females. Splenic lesions did not occur in any of the control rats. This study did not define a NOEL. The 250-ppm level (12.5-mg/kg/day) is considered to be the lowest observed adverse effect level [LOAEL], which, when divided by an uncertainty factor of 3000 (10 to extrapolate from a LOAEL to a NOEL, 10 to extrapolate from rats to humans, and 10 to protect sensitive humans). An additional uptake factor (UF) of 3 was added for lack of supporting reproductive and other toxicity data) results in a RfD of 0.004 mg/kg/day.

Although the NCI (1979) bioassay is a well-designed chronic oral study, confidence in the study is low because a NOEL or NOAEL was not defined. Confidence in the database is low because corroborating data are not available. Confidence in the RfD is also low, reflecting the low confidence in the study and database.

Arsenic (CAS 7440-38-2)

Oral RfD—3.0E-04 mg/kg/day.

Carcinogen Classification—Group A, Human carcinogen.

Uses—Arsenic is a metallic element. Arsenic and its compounds are used in a variety of products such as insecticides and herbicides. Arsenic is also used in the manufacturing of glass and the smelting of copper, zinc, and lead.

Health Effects—Large oral doses (above 60 ppm in food or water) of inorganic arsenic can be fatal in humans. Ingestion of lower levels of inorganic arsenic (0.30-30 ppm in food or water) may irritate the stomach and intestines, with symptoms such as pain, nausea, vomiting, and diarrhea. Other effects such as decreased production of red and white blood cells, abnormal heart function, blood-vessel damage, and impaired nerve function causing a "pins and needles" sensation in the hands and feet may occur. Studies of the administration of arsenic to pregnant animals indicate that doses large enough to cause maternal toxicity may cause low birth weight, fetal malformations, or fetal death. There is no evidence, however, that suggests that arsenic is teratogenic or fetototoxic (ATSDR, 1992).

Long-term oral exposure to inorganic arsenic often results in skin changes that include darkening of the skin and the appearance of "corns" or "warts" on the palms, soles, and torso. A small number of the corns may ultimately develop into skin cancer. Ingestion of arsenic has may also to increase the risk of cancer in the liver, bladder, kidney, and lung (ATSDR, 1992).

Inhalation of high levels of arsenic usually results in a sore throat and irritated lungs. The dermal effects mentioned above may also be experienced. The level at which these effects are likely to occur in humans is uncertain, but is probably above 100 $\mu g/m^3$. These effects usually are not serious, but inhaled inorganic arsenic has been reported to increase the risk of lung cancer. This has been observed primarily in people exposed to arsenic in or around smelters (ATSDR, 1992).

Study Support—The oral RfD for arsenic is listed in IRIS as 3.0E-04 mg/kg/day. This value is supported by two epidemiologic studies of human exposure to arsenic in well water. The low-dose group received 5-7 µg/L and the high-dose group received 410 µg/L arsenic in well water. The exposure estimate for a high dose is 410 µg/L x 3 L/day x (1/55 kg) = 22 µg/kg-day; the exposure estimate for a low dose is 5-7 µg/L x 3 L/day x (1/55 kg) = 0.3-0.4 µg/kg-day. The incidences of blackfoot disease, hyperpigmentation, and keratosis increased with dose and age. Exposure times were directly related to chronological age in 75% of the cases. This study reported a NOAEL as 8.0E-04 mg/kg/day and a LOAEL as 1.4E-02 mg/kg/day. The critical effect was hyperpigmentation, keratosis, and possible vascular complications. HEAST lists a value of 3.00E-04 mg/kg/day for the subchronic oral RfD.

The uncertainty factor used to derive the oral RfD was 3. This factor accounts for the lack of both general data and information regarding sensitive individuals. The confidence level in the RfD derivation is medium. A large number of people (>40,000) was used in the assessment, but doses were not well characterized and other contaminants were present. The supporting human toxicity database is extensive but somewhat flawed. The database does support the choice of NOAEL, hence the confidence rating of medium.

Arsenic's classification as Group A, human carcinogen, is based on 1) results of several epidemiologic studies in which increases in lung cancer mortality were observed among workers exposed to arsenic primarily through inhalation in the work place, and 2) reports of increased skin cancer incidence in several populations consuming drinking water with high arsenic concentrations. The inhalation unit risk is listed in IRIS as 4.3E-03 $(\mu g/m^3)^{-1}$. HEAST lists a value of 5.0E+01 $(mg/kg/day)^{-1}$ for the inhalation slope

factor. A large population was observed and the exposure assessment included air measurements for the Anaconda smelter and both air measurements and urinary arsenic for the ASARCO smelter. Observed lung cancer incidence was significantly increased over expected values (ATSDR, 1992). IRIS lists the oral slope factor as 1.75E+00 $(mg/kg/day)^{-1}$.

Barium (CAS440-39-3)

Oral RfD—7.0E-02 mg/kg/day.

Carcinogen Classification—Barium is not considered carcinogenic at this time.

Uses—Barium is a soft, silvery-white metal abundant in nature and found in plant and animal tissue. It is used in the production of various metal various alloys, paints, soaps, paper goods, drilling muds, and rubber. It is also used in the manufacturing of insect and rat poisons, ceramics, bricks, tiles, and glass. Barium sulfate is sometimes used in obtaining x-rays of the intestinal tract.

Health Effects—Inhalation of barium dust by workers has been reported to cause an uncommon, but benign, pneumoconiosis called baritosis. Abdominal cramps, nausea, vomiting, pulmonary lesions, muscle weakness, and renal failure were observed in a factory worker accidentally exposed to high levels of barium carbonate dust. There is limited animal data on the effects of barium inhalation to illustrate further the effects of barium inhalation (ATSDR, 1991).

Most information on the effects of barium exposure comes from studies investigating oral ingestion of barium. Acute ingestion of high levels of barium may result in respiratory weakness, abnormalities in heart rhythm, hypertension, GI disturbances, progressive muscle weakness, and renal insufficiency. The occurrence and severity of these symptoms decrease with decreasing levels of exposure. The only well-documented adverse effect following low-level, chronic exposure is the compromise of the cardiovascular system. Significant increases in blood pressure were observed in rats administered 5.4 - 7.1 mg/kg/day for up to 16 months (ATSDR, 1991).

Study Support—IRIS lists the chronic RfD for barium as 7.0E-02 mg/kg/day. HEAST lists this value as the subchronic oral RfD. These values are based primarily on two studies. In the first study, 11 healthy male volunteers were administered 0 to 10 mg/L of barium in drinking water for 10 weeks. The second study

was a retrospective epidemiological study, which compared human mortality and morbidity rates in populations ingesting elevated barium levels (2 to 10 mg/L) in drinking water with control populations. A NOAEL of 10 mg/L was established by the first study, and data from the chronic human epidemiological study support that NOAEL. The critical effect of interest was increased blood pressure. An uncertainty factor of 3 was used since the data are from a chronic human study. The level of confidence in the RfD is medium.

The chronic inhalation RfC listed in HEAST is 5.0E-04 mg/m^3. The subchronic inhalation RfC is given as 5.0E-03 mg/m^3. These values are based on an inhalation study in which rats were exposed to 0.80 mg/m^3 of barium for 4 hours/day for 4 months. Phytotoxic effects were reported as a result of exposure. An uncertainty factor of 1000 was applied to account for inter- and intraspecies variation, and for extrapolating from a subchronic to a chronic study (10x each). A risk assessment for exposure to barium via inhalation is currently under review by an EPA work group.

Benzene (CAS 71-43-2)

Oral RfD—No oral RfD, inhalation RfD, or inhalation RfC has been established.

Carcinogen Classification—Group A, human carcinogen.

Uses—Benzene is an aromatic hydrocarbon. It was first used as a volatile solvent and in the synthesis of other chemicals. Plastic manufacturers have been among the industries that use benzene in their process. Today, because of its antiknock properties, benzene is being added to gasoline as a replacement for alkyl lead compounds.

Health Effects—Most people are exposed to small amounts of benzene on a daily basis. The major sources of benzene exposure are gasoline, automobile exhaust, industrial emissions, and tobacco smoke. A brief exposure (5-10 minutes) to very high levels of benzene in air (10,000-20,000 ppm) may result in death. Exposure to lower levels (700-3,000 ppm) may cause drowsiness, dizziness, headaches, and unconsciousness. These effects usually disappear once exposure ceases. Ingestion of foods or beverages containing high levels of benzene may result in vomiting, dizziness, convulsions, and death. Human health effects associated with ingestion of lower levels of benzene are currently unknown. Dermal contact with benzene may cause redness or blisters (ATSDR, 1992).

Most information on the effects of long-term benzene exposure comes from studies of workers occupationally exposed to ambient levels of benzene far greater than levels normally encountered by the general population. Inhalation of benzene for long periods of time may cause adverse effects in the tissues that form blood cells, especially the bone marrow. This may result in disruption of normal blood production and cause a decrease in important blood components, leading to anemia or excessive bleeding. Blood production may return to normal upon cessation of exposure. Benzene exposure may be harmful to the immune system, enhancing the probability of infection and lowering the body's defense against tumors. Long-term exposure to benzene in the air causes leukemia and has been associated with genetic changes (ATSDR, 1992).

Long-term exposure to benzene may affect the reproductive system. One study found that female workers exposed to high levels of benzene for many months experienced irregular menstrual cycles and were found to have decreased ovary size. Exposure levels were not documented in this study, and it was not proven that benzene was responsible for the effects. Currently it is not known what effects benzene exposure has on the developing fetus. Studies in which pregnant laboratory animals were exposed to benzene resulted in low birth weights, delayed bone formation, and bone marrow damage (ATSDR, 1992).

Human health effects associated with long-term exposure to food and water contaminated with benzene are not known. Animal studies indicate that oral exposure can damage the blood and immune system. Oral ingestion of benzene by experimental animals has also been linked to cancer (ATSDR, 1992).

Study Support—The classification of benzene as Group A, human carcinogen, is based on numerous epidemiologic studies that demonstrated an increased incidence or causal relationship between leukemia and occupational exposure to benzene. Supporting data include an increased incidence of neoplasia in rats and mice exposed by inhalation and gavage, and an increase in chromosomal aberrations of bone marrow cells and peripheral lymphocytes from occupational exposure. An oral slope factor of 2.9E-02 $(mg/kg/day)^{-1}$, an inhalation slope factor of 0.029 $(mg/kg/day)^{1}$, and an inhalation unit risk of 8.3E-06 $(\mu g/m^3)^{-1}$ have been derived from human data for inhalation exposure.

Benzo[a]pyrene (CAS 50-32-8)

Oral RfD—Not listed.

Carcinogen Classification—Group B2, Probable human carcinogen.

Uses—Benzo[a]pyrene is a semivolatile organic compound in a group of chemicals called polycyclic aromatic hydrocarbons (PAHs). PAHs are formed during the incomplete burning of coal, oil, gas, wood, garbage, or other organic substances, such as tobacco and charbroiled meat. PAHs are found in coal tar and in the creosote oils and pitches formed from the distillation of coal tars. Most PAHs have no known use except for research purposes. A few PAHs are used in medicines and to make dyes, plastics, and pesticides, while others are contained in asphalt used in road construction. They are found throughout the environment in the air, water, and soil (ATSDR, 1993.).

Health Effects—No information is available in the current literature concerning the levels of benzo(a)pyrene that cause harmful effects in humans following inhalation, ingestion, or dermal exposure.

Study Support—Short- and long-term exposures to benzo(a)pyrene (120 mg/kg/day for up to 6 months) caused death when ingested by animals. Deaths appeared to be due to bone marrow suppression. Offspring of animals fed 10 mg/kg/day of benzo(a)pyrene (or higher) during pregnancy had lower than normal birth weights and developmental/reproductive aberrations (e.g., alterations in gonadal development; decreased fertility; increased incidence of sterility). Reports on the effects of benzo(a)pyrene following short-term dermal exposures in animals and intermediate exposures in humans suggest that benzo(a)pyrene has deleterious effects on the skin. However, the studies failed to employ control groups and, therefore, conclusions about the dermal toxicity of benzo(a)pyrene currently cannot be made (ATSDR, 1990).

The induction of cancer appears to be the key end point of toxicity following intermediate and long-term exposure to benzo(a)pyrene by inhalation, ingestion, and dermal exposure. This is because lower doses are required to induce tumors than to produce other end points of toxicity. Experimental studies have demonstrated the ability of benzo(a)pyrene to induce respiratory tract tumors in hamsters following long-term (lifetime) exposure to benzo(a)pyrene as an aerosol at concentrations above 9.5 mg/m^3. Mice administered benzo(a)pyrene in the diet for 110 days (5.2 mg/kg/day) developed excess forestomach tumors. Long-term dermal exposure (1 μg/day) studies in animals has demonstrated the ability of benzo(a)pyrene to induce skin tumors. No information correlating inhalation or dermal exposure of humans to benzo(a)pyrene and cancer is available, although reports of lung and skin tumors in individuals exposed to mixtures of PAHs containing benzo(a)pyrene lend some support for its carcinogenic potential.

EPA has not developed an oral RfD for benzo(a)pyrene. Toxicity values were not calculated to evaluate the noncarcinogenic effects of benzo(a)pyrene, since no methodology firmly founded on scientific basis exists for such calculations.

EPA has classified benzo(a)pyrene as Group B2, probable human carcinogen. IRIS lists an oral slope factor for benzo(a)pyrene as 7.30E+00 $(mg/kg/day)^{-1}$. Human data specifically linking benzo(a)pyrene to carcinogenic effects are lacking. However, there are numerous animal studies in many species that indicate that benzo(a)pyrene is carcinogenic following administration by several routes. HEAST listed an inhalation unit risk of 1.7E-03 ($\mu g/m^3$) for benzo(a)pyrene and an inhalation slope factor of 6.1E+00 $(mg/kg/day)^{-1}$, although these values have been withdrawn from HEAST.

Benzo[b]fluoranthene (CAS 205-99-2)

Oral RfD—Not listed.

Carcinogen Classification—Group B2, Probable human carcinogen.

Uses—Benzo[b]fluoranthene is a semivolatile organic compound and one of many PAHs.

Health Effects—Benzo[b]fluoranthene causes cancer in laboratory animals when applied to their skin. This finding suggests that it is likely that people exposed in the same manner could also develop cancer. Because studies of benzo[b]fluoranthene are not complete, it is not known whether it could cause cancer if inhaled or swallowed, or whether it can cause harmful effects other than cancer (ATSDR, 1990).

Study Support—The levels and length of exposure to individual PAHs that result in human health effects cannot be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable.

A minimal risk level of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated minimum risk level (MRL) is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to

benzo(a)pyrene in the diet caused birth defects; long-term (six months) exposure resulted in adverse effects in the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, 1989).

Note that uncertainties are associated with use of MRLs, particularly with respect to PAHs, since estimates were based on data obtained with benzo[b]fluoranthene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, different toxicological effects may occur. MRLs have not been estimated for other routes of exposure (ATSDR, 1990).

No information is available on the effects of benzo[b]fluoranthene in laboratory animals following exposure by inhalation, although benzo[b]fluoranthene elicits respiratory tract tumors in rats following intratracheal instillation. Benzo[b]fluoranthene is carcinogenic following intermediate dermal exposure. Mice receiving doses of 2.9 mg/kg and higher three times weekly (equivalent to an average daily dose of 1.2 mg/kg/day) developed an excess of malignant skin tumors when benzo[b]fluoranthene was applied to the skin for up to one year. No information correlating inhalation or dermal exposure to benzo[b]fluoranthene and cancer induction in humans is available, but reports of cancer among individuals exposed by inhalation or dermally to mixtures of PAHs containing benzo[b]fluoranthene provide qualitative support for the carcinogenicity of this compound.

EPA has not developed an oral RfD for benzo[b]fluoranthene. Toxicity values were not calculated to evaluate the noncarcinogenic effects of benzo[b]fluoranthene, since no methodology firmly founded on scientific basis exists for such calculations.

EPA has listed benzo(a)fluoranthene as a Group B2, probable human carcinogen. Although there are no human data that specifically link exposure to benzo[b]fluoranthene with cancer, it is a component of mixtures that are associated with human cancer. Supporting data include the production of tumors in mice after lung implantation and intraperitoneal or subcutaneous injection and skin painting with benzo[b]fluoranthene. EPA has not published a slope factor for benzo[b]fluoranthene at this time. A slope factor of 7.3E-01 $(mg/kg/day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.10 for benzo[b]fluoranthene (EPA, 1993).

Cadmium (CAS 7440-43-9)

Oral RfD—IRIS lists the oral RfD for cadmium in water as 5.0E-04 mg/kg/day and in food as 1.0E-03 mg/kg/day.

Carcinogen Classification—Group B1, Probable human carcinogen.

Uses—Cadmium is a metallic element, occurring primarily in zinc, copper, and lead ores. It is used in solders, dental amalgams, and cathode material for nickel-cadmium storage batteries; as well as a color pigment for paints and plastics and in rustproof electroplating. A major nonoccupational source of respirable cadmium is cigarettes.

Health Effects—Exposure to high levels of cadmium via inhalation severely damages the lungs and can cause death. Inhalation of lower levels for a period of years results in accumulation of cadmium in the kidneys that can cause kidney disease. Long-term exposure to cadmium through inhalation may also cause fragile bones.

Long-term exposure of workers to cadmium through inhalation in an occupational setting may increase the risk of developing lung cancer. Experimental studies indicate that mice and hamsters exposed to cadmium through inhalation do not develop lung cancer; however, rats clearly do. Pregnant female rodents that inhaled high levels of cadmium produced fewer litters and the pups exhibited more birth defects than usual. Inhalation of cadmium also causes liver damage and changes in the immune system in rats and mice. Currently, it is not known whether inhalation of cadmium affects the ability of humans to reproduce or has harmful effects on the fetus, liver, heart, nervous system, or immune system in humans (ATSDR, 1992).

Consumption of very high levels of cadmium in food or drink severely irritates the stomach and causes vomiting and diarrhea. Deaths from cadmium ingestion have only been documented in cases of suicide. Similar to exposure via inhalation, ingestion of lower levels of cadmium results in a buildup in the kidneys, resulting in kidney damage and fragile bones. Animals exposed to cadmium through the diet or in water occasionally develop high blood pressure, iron-poor blood, liver disease, and nerve or brain damage. Proof that humans develop these conditions is lacking. Studies in humans and animals have not indicated that eating or drinking cadmium increases the incidence of cancer. Dermal contact with cadmium is not known to cause adverse health effects in animals or humans (ATSDR, 1992).

Study Support—IRIS lists the oral RfD for cadmium in water as 5.0E-04 mg/kg/day and in food as 1.0E-03 mg/kg/day. The RfD is based on the highest level of cadmium in the human renal cortex (200-μg cadmium/g wet renal cortex) not associated with significant proteinuria, the critical effect of interest. A toxicokinetic model was used to determine the highest level of exposure associated with the lack of a critical effect. An uncertainty factor of 10 was applied to account for intrahuman variability to the toxicity of this chemical in the absence of specific data on sensitive individuals. The level of confidence in the RfD is high because of the many studies available on the toxicity of cadmium in both humans and animals.

The classification of cadmium as a Group B1, probable human carcinogen, is based on limited evidence of its carcinogenicity in humans available from several epidemiologic studies that demonstrated a possible association with lung and prostate cancers. There is also sufficient evidence of cadmium's carcinogenicity in rats and mice by the inhalation route (lung tumors), intratracheal instillation (mammary tumors in female rats, multiple sites in males), and intramuscular or subcutaneous injection (injection site and distant site tumors). EPA has not established an oral slope factor for cadmium, but has established an inhalation unit risk of 1.8E-03 $(\mu g/m^3)^{-1}$, primarily on the basis of an epidemiologic study of cadmium smelter workers in which an increased risk of lung, trachea, and bronchus cancer mortality was observed. The supporting study used a relatively large cohort, and smoking and concurrent arsenic exposures were accounted for in the quantitative analysis for cadmium.

Ethylbenzene (CAS 100-41-4)

Oral RfD—1.0E-01 mg/kg-day.

Carcinogen Classification—Group D, Not classifiable as to human carcinogenicity.

Uses—Ethylbenzene is used as a solvent and an antiknock agent, and is an intermediate in the production of styrene.

Health Effects—Low levels of ethylbenzene in the air cause irritation of the eyes and throat. When exposured to higher levels, persons demonstrate signs of more severe effects such as decreased movement and dizziness. Short-term exposure to high levels of ethylbenzene in air may cause liver and kidney damage, nervous system changes, and changes in the blood of laboratory animals (ATSDR, 1989).

Study Support—No studies have reported death in humans following exposure to ethylbenzene. Studies in laboratory animals do suggest that ethylbenzene can cause death. There is no clear evidence that reproductive effects occur following inhalation, ingestion, or dermal contact with ethylbenzene. Birth defects have occurred in newborn animals when the mothers were exposed to ethylbenzene. These effects become increasingly serious with increasing doses of ethylbenzene. A single long-term study in animals suggested that ethylbenzene caused tumors. However, the study had many weaknesses, and conclusions could not be drawn regarding the possible carcinogenic effects in humans (ATSDR, 1989).

IRIS listed an oral RfD for ethylbenzene of 1.0E-01 mg/kg-day. This value was based on a subchronic bioassay in which rats were administered 13.6, 136, 408, or 680 mg/kg-day ethylbenzene by gavage 5 days/week. The LOAEL of 408 mg/kg/day was associated with histopathologic changes in liver and kidney. The NOEL established in this study was 136 mg/kg-day (converted to 97.1 mg/kg-day to reflect treatment 7 days/week).

An uncertainty factor of 1000 (10x each for intraspecies and interspecies variability and 10x for extrapolation of subchronic effect level to its chronic equivalent) was used to derive the RfD. The level of confidence in the RfD is low and reflects the fact that only one sex was tested and that the experiment was not of chronic duration. The inhalation RfC is listed as 1.0E+00 mg/m^3 in IRIS.

EPA has classified ethylbenzene as Group D, not classifiable as to human carcinogenicity. This classification was due to lack of animal bioassays and human studies. Therefore, there is no slope factor at this time.

Selenium (CAS 7782-49-2)

Oral RfD—5E-03 mg/kg/day.

Carcinogen Classification—Group D, Not classifiable as a human carcinogen.

Uses—Selenium is ubiquitous in the environment and is an essential element for humans and animals. In the body, selenium helps prevent reoxygenation damage of tissues. Natural sources of selenium include volcanic eruptions and the weathering of selenium-containing rocks to soils. Anthropogenic sources of selenium result from the combustion of coal in the form of coal fly ash.

Health Effects—Selenium compounds have not been shown to cause cancer in humans. Selenium sulfide was found to be carcinogenic in animals; however, this compound is not present in food or the environment. Exposure to selenium compounds has not been shown to cause birth defects in humans or other mammals. It did, however, cause birth defects in birds (ATSDR, 1989).

Study Support—The chronic oral RfD for selenium is listed in IRIS as 5E-03 mg/kg/day; HEAST lists this value as the subchronic oral RfD. This is based on a human epidemiological study of approximately 400 individuals. The population lived in an area with high environmental concentrations of selenium. Three geographical areas with high, medium, and low levels of selenium were compared. Concentrations in soil and approximately 30 typical foods showed positive correlation with blood and tissue selenium levels. Persistent clinical signs (e.g. "garlic odor" in breath and urine; thick, brittle nails; hair loss; lowered hemoglobin levels; mottled teeth; skin lesions; and central nervous system abnormalities) of selenosis were seen in 5 of 349 adults, a potentially sensitive subpopulation. Their blood concentration ranged from 1.054 to 1.854 mg/L. At 750-850 µg/day, alterations of biochemical parameters such as elongated prothrombin time occurred). The lowest correlative selenium intake causing overt signs of selenosis was 1.261 mg, corresponding to 1.35 mg/L in whole blood. The NOAEL was 0.85 mg selenium/day and the LOAEL was 1.26 mg of selenium/day.

The uncertainty factor of 3 was used to derive the RfD to account for sensitive individuals. It was believed that a full factor of 10 was not necessary because of supporting studies. The confidence in the oral RfD is high, based on support of the critical study and a high level of confidence in the database. There are currently no values listed for the inhalation RfD or RfC.

Selenium is classified as Group D, not classifiable as a human carcinogen. This is based on inadequate evidence in humans and in animals. Therefore, no slope factor is listed.

Toluene (CAS 108-88-3)

Oral RfD—2.0E-01 mg/kg-day.

Carcinogen Classification—Group D, Not classifiable as to human carcinogenicity.

Uses—Toluene, a VOC, is a manufactured organic solvent. It is used in the production of benzene, benzyl chloride, benzoic acid, phenol, cresols, vinyl toluene, TNT, and toluene diisocyante. It is also used as a solvent for paints, rubber, and resins, as well as a component of motor and aviation fuels. Toluene is also found in cigarette smoke.

Health Effects—The main toxic effects of acute inhalation exposure are upon the central nervous system. The central nervous system response is biphasic, with an initial excitable phase followed by central nervous system depression. Toluene has the ability to dissolve fats and, as a result, causes pain when it comes into contact with the eye. Damage to the skin may occur upon dermal contact as a result of scattered loss of epithelial cells and solution of some of the fats that occur in these cells. Factory workers handling organic solvents such as toluene have been reported to have low sperm counts, abnormal sperm, and varying degrees of infertility (Thomas, 1991). Toluene has also been reported to decrease pulmonary function (FEV_1) (Gordon and Amdur, 1991).

Study Support—A chronic oral RfD value of 2.0E-01 mg/kg-day is listed in IRIS. The subchronic oral RfD listed in HEAST is 2.0E-00 mg/kg-day. These values are based primarily on a subchronic gavage study in which rats were administered varying doses of toluene for 13 weeks. All animals receiving the highest dose (5000 mg/kg) died within the first week. In males, absolute and relative weights of both the liver and kidney were significantly increased at doses greater than or equal to 625 mg/kg. Absolute and relative weights of the liver, kidney, and heart were significantly increased at doses greater than or equal to 1250 mg/kg in females. The NOAEL for this study was 312 mg/kg-day, based on liver and kidney weight changes in male rats at 625 mg/kg. Because the exposure was for 5 days/week, this dose is converted to 223 mg/kg-day. The LOAEL was 625 mg/kg, which is 446 mg/kg-day when converted.

An uncertainty factor of 1000 was applied to derive the RfD to account for inter- and intraspecies extrapolations, for subchronic to chronic extrapolation and for limited reproductive and developmental toxicity data. The level of confidence in the oral RfD was medium. This rating reflects that a sufficient number of animals/sex were tested in six dose groups and that many parameters were studied, but there was no reproductive study and that the oral studies were all subchronic. The chronic RfC of 4.0E-01 mg/m^3 has been verified according to the new interim methods for developing RfCs and is listed in IRIS. The subchronic inhalation RfC is listed in HEAST as 2.0E+00 mg/m^3.

EPA has classified toluene as Group D, not classifiable as to human carcinogenicity. This classification reflects the lack of human carcinogenicity data and inadequate animal data. Therefore, no slope factor is listed.

ATTACHMENT A-4

Risk Characterization Methodology and Risk Model Output

A.4 RISK CHARACTERIZATION METHODOLOGY

Risk characterization combines the possible exposure pathways and subsequent estimated chemical intakes with the appropriate toxicity values to form quantitative and qualitative expressions of potential health risk. Measured contaminant exposure levels as well as levels predicted after fate and transport modeling are compared to chemical-specific toxicity information to determine whether current or future levels of contamination, at or near the site, warrant concern for human health. The following subsections briefly describe the methodology used to estimate risk. Each site-specific assessment will present the noncarcinogenic and carcinogenic risk estimates for each exposure scenario. The exposure and risk calculation model output tables are presented in this attachment.

A.4.1 Carcinogenic Effects

For all carcinogens, probabilities that an individual will develop cancer after a lifetime of exposure are estimated from projected exposure and the cancer slope factor. Exposure is quantified as the amount of a chemical available at the exchange boundary (i.e., skin, lungs, etc.) and available for absorption. The carcinogenic risk is calculated for each exposure scenario by the following equation:

$$\text{Risk} = \text{Exposure} \times \text{Slope Factor}.$$

The cancer slope factor converts estimated daily intakes directly to an estimate of incremental risk. Because the slope factor is often an upper 95th percentile confidence limit of the probability of response based on experimental animal data and an assumption of linearity in the low-dose portion of dose-response curves, the carcinogenic risk estimate will generally be an upper bound estimate. This means the "true risk" probability will not exceed the risk estimates generated for this assessment and is likely to be less than the predicted risk (EPA, 1991a). When assessing risk from exposure via inhalation, unit risk factors were used instead of slope factors. Unit risk factors are toxicity values used to describe carcinogenic effects in terms of risk per unit concentration of the substance in the medium where human contact occurs.

The acceptable range for carcinogenic risk according to the EPA Superfund site remediation goal set forth in the National Contingency Plan is 10^{-4} (1 in 10,000) to 10^{-6} (1 in 1,000,000). This range was derived to be protective of human health.

A.4.2 Noncarcinogenic Effects

For noncarcinogens, comparisons are made between projected exposure of a chemical over a specified time period and its toxicity values, primarily an RfD or an RfC derived for a similar exposure period. The HI is calculated for each exposure scenario by the following equation:

$$HI = E/RfD.$$

The ratio of exposure to toxicity value is the HI. However, the HI is not a statistical probability of a noncarcinogenic effect occurring and should not be interpreted as such. If the exposure level exceeds the appropriate toxicity value (i.e., if HI > 1), there may be concern for potential noncarcinogenic effects.

A.4.3 Combining Risks Associated with Chemicals and Exposure Pathways

For each scenario addressed in this risk assessment, the estimated carcinogenic risk for potential carcinogens is generated on a chemical by chemical basis for each relevant pathway of exposure. The estimated risk is then summed for each chemical associated with a specific pathway to determine total risk by pathway. To determine the total exposure scenario risk, total risks for all pathways are summed.

The total risk number assumes that different carcinogens affect the same target organ to produce a cancer response, ignoring potential antagonistic or synergistic effects or disparate effects on different target organs. It also assumes that the single individual in the exposure scenario is exposed to site-related contaminants at estimated exposure concentrations by all pathways that make up the scenario. The scenarios were constructed to include all potential pathways of exposure; it is possible for a single individual to be exposed by all pathways in a scenario. It is less possible, though, that a single individual will be exposed by each pathway at the conservatively estimated concentrations in the exposure media. For example, it is not likely that one person will be chronically exposed to maximum off-site ambient air concentrations and to maximum off-site groundwater concentrations, because the locations of these two maximums do not occur at the same place.

Likewise, the estimated HI for noncarcinogenic effects is generated on a chemical-by-chemical basis for each relevant pathway of exposure. The HI is then summed for each chemical associated with a

specific pathway to determine the HI by pathway. The HIs for all pathways are finally summed to determine the total HI for the exposure scenario.

If the total HI for a scenario is greater than one, indicating a potential cause for concern, it is sometimes appropriate to segregate the HI by critical effect and mechanism of action and summing the hazard quotients only for chemicals that affect the same target organ (EPA, 1991a). If the HI, summed for all relevant pathways of exposure but segregated by target organ, is less than one, there is less cause for concern about potential noncarcinogenic effects.

A.4.4 Risk Model Output

A summary of the risks estimated for the FTA is presented in the attached risk model output tables.

Risk Model Output Tables

Potential Exposure from Inhalation of Ambient Air
(Volatile Chemicals and Fugitive Dust)
Nearby Worker Scenario at the FTA

Effective Air Concentration (EAC), (ug/m³) = (CA x IRA x ET x EF X ED)/(IRD X AT)		Assumptions	
		Chronic (occupational)	
Parameters		Average	Reasonable Maximum
CA =	Chemical Concentration in Ambient Air (µg/m³)	Chemical-specific [a]	Chemical-specific [a]
IRA =	Inhalation Rate of Ambient Air (m³/hour)	2.1 [b]	3.0 [d]
ET =	Exposure Time (hours/day)	8 [d]	8 [d]
EF =	Exposure Frequency (days/year)	250 [e]	250 [e]
ED =	Exposure Duration (years)	25 [f]	25 [f]
IRD =	Inhalation Rate per Remainder of Day (m³/hour)	0.833 [g]	0.833 [g]
AT =	Averaging Time (period over which exposure is averaged--days)		
	-Noncarcinogenic effects	9125 [h]	9125 [h]
	-Carcinogenic effects	25550 [i]	25550 [i]

[a] See tables in Attachment A-2 for concentrations in ambient air.

[b] Adult, moderate activity level; EPA, 1989b.

[c] Adult, reasonable worst-case outdoor inhalation rate; EPA, 1989b.

[d] Assumes workers are on site an average of 8 hours per day.

[e] Assumes 5-day work week for 50 weeks per year; EPA, 1991.

[f] 95th percentile time spent working at the same location; EPA, 1991.

[g] Occupational adult, 20 m³ per 8-hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult-suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Potential Exposure from Inhalation of Ambient Air
(Volatile Chemicals and Fugitive Dust)
Future Construction Work Scenario at the FTA

Effective Air Concentration (EAC), (ug/m³) = (CA x IRA x ET x EF X ED)/(IRD X AT)		Assumptions	
	Parameters	Worker Average	Reasonable Maximum
CA =	Chemical Concentration in Ambient Air (μg/m³)	Chemical-specific [a]	Chemical-specific [a]
IRA =	Inhalation Rate of Ambient Air (m³/hour)	2.1 [b]	3.0 [c]
ET =	Exposure Time (hours/day)	8 [d]	8 [d]
EF =	Exposure Frequency (days/year)	250 [e]	250 [e]
ED =	Exposure Duration (years)	0.5 [f]	0.5 [f]
IRD =	Inhalation Rate per Remainder of Day (m³/hour)	0.833 [g]	0.833 [g]
AT =	Averaging Time (period over which exposure is averaged--days)		
	-Noncarcinogenic effects	183 [h]	183 [h]
	-Carcinogenic effects	25550 [i]	25550 [i]

[a] See tables in Attachment A-2 for concentrations in ambient air.

[b] Adult, moderate activity level; EPA, 1989b.

[c] Adult, reasonable worst-case outdoor inhalation rate; EPA, 1989b.

[d] Assumes workers are on site an average of 8 hours per day.

[e] Assumes 5-day work week for 50 weeks per year; EPA, 1991.

[f] Assumes 0.5 years working on site.

[g] Occupational adult, 20 m³ per 8-hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult-suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Potential Exposure from Ingestion of Contaminated Soil
Future Construction Worker Scenario at the FTA

Intake (mg/kg-day) = (CS x IR x CF x EF x ED)/(BW x AT)	Assumptions
Parameters	**Worker**
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]
IR = Ingestion Rate (mg soil/day)	480 [b]
CF = Conversion Factor (kg/mg)	1E-06
FI = Fraction Ingested from contaminated source (unitless)	0.25 [c]
EF = Exposure Frequency (days/year)	250 [d]
ED = Exposure Duration (years)	0.5 [e]
BW = Body Weight (kg)	70 [f]
AT = Averaging Time (period over which exposure is averaged--days)	
-Noncarcinogenic effects	183 [g]
-Carcinogenic effects	25550 [h]

[a] See tables in Attachmetn A-1 for concentrations in soil.

[b] Adult soil ingestion for outdoor yardwork; EPA, 1991.

[c] Assumes 100% of soil consumption is from contaminated source.

[d] 5-day work week for 50 weeks per year; EPA, 1991.

[e] Assumes 0.5 years working on site.

[f] Adult, average; EPA, 1989b.

[g] ED x 365 days/year.

[h] 70 years x 365 days/year.

Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil
Future Construction Worker Scenario at the FTA

Intake (mg/kg-day) = (CS x CF x SA x AF x ABS x EF x ED)/(BW x AT)	Assumptions
Parameters	**Worker**
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]
CF = Conversion Factor (kg/mg)	1E-06
SA = Skin Surface Area Available for Contact (cm^2/event)	4300 [b]
AF = Soil to Skin Adherence Factor (mg/cm^2)	2.77 [c]
ABS = Absorption Factor (unitless)	Chemical-Specific [d]
EF = Exposure Frequency (events/year)	250 [e]
ED = Exposure Duration (years)	0.5 [f]
BW = Body Weight (kg)	70 [g]
AT = Averaging Time (period over which exposure is averaged--days)	
-Noncarcinogenic effects	183 [h]
-Carcinogenic effects	25550 [i]

[a] See text in Attachment A-1 for concentrations in soil.

[b] Occupational, adult male (mean skin surface area for arms, hands, and head); EPA, 1989b.

[c] Kaolin clay (for hands); EPA, 1989a.

[d] ABS for cadmium is 0.002 (CAPCOA, 1991). It is recommended that values of 1% for inorganic chemicals and 10% for organic chemicals be used as estimates of dermal absorption from a soil matrix, (Clement, 1988).

[e] 5-day work week for 50 weeks per year; EPA, 1991.

[f] Assumes 0.5 years working on site.

[g] Adult, average; EPA, 1989b.

[h] ED x 365 days/year.

[i] 70 years x 365 days/year.

Potential Exposure from Inhalation of Ambient Air
(Volatile Chemicals and Fugitive Dust)
Trespasser Scenario at the FTA

Effective Air Concentration (EAC), (ug/m^3) = (CA x IRA x ET x EF x ED)/(IRD x AT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CA = Chemical Concentration in Ambient Air (ug/m^3)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRA = Inhalation Rate of Ambient Air (m^3/hr)	0.96 [b]	2.4 [c]	0.833 [d]	2.1 [e]
ET = Exposure Time (hours/day)	0.25 [f]	0.25 [f]	0.25 [f]	0.25 [f]
EF = Exposure Frequency (days/year)	12 [g]	52 [h]	12 [g]	52 [h]
ED = Exposure Duration (years)	9 [i]	9 [i]	9 [i]	30 [j]
IRD = Inhalation Rate per Remainder of Day (m^3/day)	0.96 [b]	0.96 [b]	0.833 [d]	0.833 [d]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [k]	3285 [k]	3285 [k]	10950 [k]
- carcinogenic effects	25550 [l]	25550 [l]	25550 [l]	25550 [l]

[a] See text and tables in Attachment C2 for concentrations in ambient air.
[b] Child, averaged for ages 8 through 17, prorated for average activity levels; EPA, 1989b.
[c] Child, averaged for ages 8 through 17, moderate activity level; EPA, 1989b.
[d] Adult, average (20 m^3/day); EPA, 1989b.
[e] Adult, moderate activity level; EPA, 1989b.
[f] Assumes 15 minutes spent on site per site visit.
[g] Assumes site visits once a month for average case.
[h] Assumes site visits once a week for reasonable maximum.
[i] National median time (50th percentile) at one residence; EPA, 1989b.
[j] National upper bound time -- 90th percentile -- time at one residence; EPA, 1989b.
[k] ED x 365days/year.
[l] 70 years x 365 days/year.

Potential Exposure from Ingestion of Contaminated Soil
Trespasser Scenario at the FTA

Intake (mg/kg-day) = (CS x IR x CF x EF x ED)/(BW x AT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CS = Chemical Concentration in Ambient Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IR = Ingestion Rate (mg soil/day)	6 [b]	6 [b]	3 [c]	3 [c]
CF = Conversion Factor (kg/mg)	1E-06	1E-06	1E-06	1E-06
FI = Fraction ingested from contaminated source (unitless)	1 [d]	1 [d]	1 [d]	1 [d]
EF = Exposure Frequency (days/year)	12 [e]	52 [f]	12 [e]	52 [f]
ED = Exposure Duration (years)	9 [g]	9 [g]	9 [g]	30 [h]
BW = Body Weight (kg)	49 [i]	49 [i]	70 [j]	70 [j]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [k]	3285 [k]	3285 [k]	10,950 [k]
- carcinogenic effects	25,550 [l]	25,550 [l]	25,550 [l]	25,550 [l]

[a] See tables in Attachment A-1 for concentrations in soil.
[b] Average for children 1 to 6 years old (200 mg/day; EPA, 1989b), prorated for amount of time spent on site (based on 8 hour exposure day).
[c] Average for adults(100 mg/day; EPA, 1989b), prorated for amount of time spent on site (based on 8 hour exposure day).
[d] Assumes 100% of soil consumption is from contaminated source.
[e] Assumes site visits once a month for average case.
[f] Assumes site visits once a week for reasonable maximum.
[g] National median time (50th percentile) at one residence; EPA, 1989b.
[h] National upper bound time -- 90th percentile -- time at one residence; EPA, 1989b.
[i] Body weight averaged for ages 8 through 17; EPA, 1989b.
[j] Body weight, adult, average; EPA, 1989b.
[k] ED x 365 days/year.
[l] 70 years x 365 days/year.

Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil
Trespasser Scenario at the FTA

Intake (mg/kg-day) = (CS x CF x SA x AF x ABS x EF x ED)/(BW xAT)	Assumptions			
	Child		Adult	
Parameters	Average	Reasonable Maximum	Average	Reasonable Maximum
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
CF = Conversion Factor (kg/mg)	1E-06	1E-06	1E-06	1E-06
SA = Skin Surface Area Available for Contact (cm^2/event)	4620 [b]	4620 [b]	5300 [c]	5300 [c]
AF = Soil to Skin Adherence Factor (mg/cm^2)	2.77 [d]	2.77 [d]	2.77 [d]	2.77 [d]
ABS = Absorption Factor (unitless)	Chemical-Specific [e]	Chemical-Specific [e]	Chemical-Specific [e]	Chemical-Specific [e]
EF = Exposure Frequency (events/year)	12 [f]	52 [g]	12 [f]	52 [g]
ED = Exposure Duration (years)	9 [h]	9 [h]	9 [h]	30 [i]
BW = Body Weight (kg)	49 [j]	49 [j]	70 [k]	70 [k]
AT = Average Time (period over which exposure is averaged -- days)				
- noncarcinogenic effects	3285 [l]	3285 [l]	3285 [l]	10,950 [l]
- carcinogenic effects	25,550 [m]	25,550 [m]	25,550 [m]	25,550 [m]

[a] See text and tables in Attachment C1 for concentrations in soil.
[b] Child, averaged for ages 8 through 17 (means, skin surface areas for forearms, hands, lower legs, and head); EPA, 1989b.
[c] Adult, average (mean skin surface area for forearms, hands, lower legs, and head); EPA, 1989b.
[d] Kaolin clay (for hands); EPA, 1989b.
[e] Chemical-specific absorption factors for organic and inorganic compounds.
[f] Assumes site visits once a month for average case.
[g] Assumes site visits once a week for reasonable maximum.
[h] National median time (50th percentile) at one residence; EPA, 1989b.
[i] National upper bound --90th percentile-- time at one residence; EPA, 1989b.
[j] Body weight averaged for ages 8 through 17; EPA, 1989b.
[k] Body weight, adult average; EPA, 1989b.
[l] ED x 365days/year.
[m] 70 years x 365 days/year.

Risk Summary Table
for the FTA

Summary of Cancer Risks by Scenario		
Chronic Exposure		
Scenario	Average	Reas. Max.
Subchronic Construction Worker, future	4.60E-07	6.70E-07
Trespassing Child On-Site, present	3.70E-08	2.30E-07
Trespassing Adult On-Site, present	2.70E-08	5.50E-07
Nearby Worker, present	1.40E-12	3.00E-12
Nearby Worker, Future	1.40E-12	3.00E-12
Summary of Non-Cancer Risks by Scenario		
Chronic Exposure		
Scenario	Average	Reas. Max.
Subchronic Construction Worker, future	2.60E-01	3.90E-01
Trespassing Child On-Site, present	5.30E-04	3.30E-03
Trespassing Adult On-Site, present	3.80E-04	2.40E-03
Nearby Worker, present	4.10E-08	8.4E-08
Nearby Worker, Future	4.10E-08	8.4E-08

Potential Carcinogenic Risk
FTA

Average Cancer Risk					
Subchronic Construction Worker, future					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	1.70E-10	4.20E-07	1.10E-08	4.30E-07	94.20
Benzene	1.40E-16	1.00E-09	2.80E-09	3.90E-09	0.84
Benzo(a)pyrene	0.00E+00	1.10E-08	9.90E-09	2.10E-08	4.46
Benzo(b)fluoranthene	0.00E+00	1.10E-09	1.00E-09	2.20E-09	0.47
Total by pathway	1.70E-10	4.40E-07	2.40E-08		
% Contribution by pathway	0.04	94.60	5.32		
Scenario Total				4.60E-07	
Reas. Max. Cancer Risk					
Subchronic Construction Worker, future					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	3.50E-10	6.20E-07	1.60E-08	6.30E-07	94.80
Benzene	5.10E-16	1.90E-09	5.30E-09	7.20E-09	1.08
Benzo(a)pyrene	0.00E+00	1.30E-08	1.20E-08	2.50E-08	3.71
Benzo(b)fluoranthene	0.00E+00	1.40E-09	1.30E-09	2.80E-09	0.42
Total by pathway	3.50E-10	6.30E-07	3.40E-08		
% Contribution by pathway	0.05	94.80	5.13		
Scenario Total				6.70E-07	

Potential Carcinogenic Risk
FTA

Average Cancer Risk					
Trespassing Child On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	1.80E-12	6.50E-09	1.40E-08	2.10E-08	55.80
Benzene	1.50E-18	7.30E-12	1.70E-09	1.70E-09	4.66
Benzo(a)pyrene	0.00E+00	1.60E-10	1.30E-08	1.30E-08	35.80
Benzo(b)fluoranthene	0.00E+00	1.70E-11	1.40E-09	1.40E-09	3.76
Total by pathway	1.80E-12	6.70E-09	3.00E-08		
% Contribution by pathway	4.81E-03	18.10	81.90		
Scenario Total				3.70E-08	
Reas. Max. Cancer Risk					
Trespassing Child On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	2.80E-11	4.10E-08	9.00E-08	1.30E-07	57.70
Benzene	4.20E-17	8.00E-11	1.90E-08	1.90E-08	8.31
Benzo(a)pyrene	0.00E+00	8.60E-10	6.90E-08	7.00E-08	30.60
Benzo(b)fluoranthene	0.00E+00	9.70E-11	7.80E-09	7.90E-09	3.45
Total by pathway	2.80E-11	4.20E-08	1.90E-07		
% Contribution by pathway	0.01	18.60	81.40		
Scenario Total				2.30E-07	

Potential Carcinogenic Risk
FTA

Average Cancer Risk					
Trespassing Adult On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	1.80E-12	2.30E-09	1.10E-08	1.40E-08	51.10
Benzene	1.50E-18	2.60E-12	1.40E-09	1.40E-09	5.17
Benzo(a)pyrene	0.00E+00	5.70E-11	1.10E-08	1.10E-08	39.50
Benzo(b)fluoranthene	0.00E+00	6.00E-12	1.10E-09	1.10E-09	4.15
Total by pathway	1.80E-12	2.30E-09	2.40E-08		
% Contribution by pathway	6.67E-03	8.76	91.20		
Scenario Total				2.70E-08	
Reas. Max. Cancer Risk					
Trespassing Adult On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	9.50E-11	4.80E-08	2.40E-07	2.90E-07	53.00
Benzene	1.40E-16	9.30E-11	5.00E-08	5.00E-08	9.26
Benzo(a)pyrene	0.00E+00	1.00E-09	1.80E-07	1.80E-07	33.90
Benzo(b)fluoranthene	0.00E+00	1.10E-10	2.10E-08	2.10E-08	3.83
Total by pathway	9.50E-11	4.90E-08	5.00E-07		
% Contribution by pathway	0.02	9.04	90.90		
Scenario Total				5.50E-07	

Potential Carcinogenic Risk
FTA

Average Cancer Risk					
Nearby Worker, present					
	Inhalation of Fugitive Dust	Total	% Contrib		
Arsenic	1.40E-12	1.40E-12	100.00		
Benzene	1.20E-18	1.20E-18	8.55E-05		
Total by pathway	1.40E-12				
% Contribution by pathway	100.00				
Scenario Total		1.40E-12			
Reas. Max. Cancer Risk					
Nearby Worker, present					
	Inhalation of Fugitive Dust	Total	% Contrib		
Arsenic	3.00E-12	3.00E-12	100.00		
Benzene	4.40E-18	4.40E-18	1.48E-04		
Total by pathway	3.00E-12				
% Contribution by pathway	100.00				
Scenario Total		3.00E-12			
Average Cancer Risk					
Nearby Worker, Future					
	Inhalation of Fugitive Dust	Total	% Contrib		
Arsenic	1.40E-12	1.40E-12	100.00		
Benzene	1.20E-18	1.20E-18	8.55E-05		
Total by pathway	1.40E-12				
% Contribution by pathway	100.00				
Scenario Total		1.40E-12			
Reas. Max. Cancer Risk					
Nearby Worker, Future					
	Inhalation of Fugitive Dust	Total	% Contrib		
Arsenic	3.00E-12	3.00E-12	100.00		
Benzene	4.40E-18	4.40E-18	1.48E-04		
Total by pathway	3.00E-12				
% Contribution by pathway	100.00				
Scenario Total		3.00E-12			

Potential Noncarcinogenic Risk
FTA

Average Non-Cancer Hazard Index Summary					
Subchronic Construction Worker, future					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
4-Chloroaniline	0.00E+00	8.50E-04	4.20E-02	4.30E-02	16.90
Arsenic	0.00E+00	1.10E-01	2.90E-03	1.20E-01	45.10
Barium	2.40E-04	1.10E-02	2.90E-03	1.40E-02	5.38
Ethylbenzene	1.70E-12	1.40E-03	6.80E-02	6.90E-02	27.10
Selenium	0.00E+00	2.10E-03	1.10E-02	1.30E-02	4.93
Toluene	8.40E-12	5.00E-04	1.30E-03	1.80E-03	0.70
Total by pathway	2.40E-04	1.30E-01	1.30E-01		
% Contribution by pathway	0.09	50.00	49.90		
Scenario Total				2.60E-01	
Reas. Max. Non-Cancer Hazard Index Summary					
Subchronic Construction Worker, future					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
4-Chloroaniline	0.00E+00	1.20E-03	6.10E-02	6.20E-02	16.00
Arsenic	0.00E+00	1.60E-01	4.20E-03	1.70E-01	43.60
Barium	4.90E-04	1.50E-02	4.10E-03	2.00E-02	5.12
Ethylbenzene	4.10E-12	2.30E-03	1.20E-01	1.20E-01	30.60
Selenium	0.00E+00	2.50E-03	1.30E-02	1.50E-02	3.92
Toluene	2.10E-11	8.90E-04	2.30E-03	3.20E-03	0.83
Total by pathway	4.90E-04	1.90E-01	2.00E-01		
% Contribution by pathway	0.13	48.20	51.60		
Scenario Total				3.90E-01	

Potential Noncarcinogenic Risk
FTA

Average Non-Cancer Hazard Index Summary					
Trespassing Child On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	0.00E+00	9.70E-05	2.10E-04	3.10E-04	58.50
Barium	1.40E-07	9.20E-06	2.10E-04	2.20E-04	41.50
Total by pathway	1.40E-07	1.10E-04	4.20E-04		
% Contribution by pathway	0.03	20.00	80.00		
Scenario Total				5.30E-04	
Reas. Max. Non-Cancer Hazard Index Summary					
Trespassing Child On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	0.00E+00	6.10E-04	1.30E-03	2.00E-03	59.00
Barium	2.20E-06	5.70E-05	1.30E-03	1.40E-03	4.10E+01
Total by pathway	0.00	0.00	0.00		
% Contribution by pathway	6.66E-02	2.01E+01	7.98E+01		
Scenario Total				3.30E-03	
Average Non-Cancer Hazard Index Summary					
Trespassing Adult On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	0.00E+00	3.40E-05	1.70E-04	2.10E-04	54.30
Barium	1.40E-07	3.20E-06	1.70E-04	1.70E-04	4.57E+01
Total by pathway	0.00	0.00	0.00		
% Contribution by pathway	3.80E-02	9.80E+00	9.02E+01		
Scenario Total				3.80E-04	
Reas. Max. Non-Cancer Hazard Index Summary					
Trespassing Adult On-Site, present					
	Inhalation of Fugitive Dust	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
Arsenic	0.00E+00	2.10E-04	1.10E-03	1.30E-03	54.90
Barium	2.20E-06	2.00E-05	1.00E-03	1.10E-03	4.51E+01
Total by pathway	0.00	0.00	0.00		
% Contribution by pathway	9.44E-02	9.89E+00	9.00E+01		
Scenario Total				2.40E-03	

Potential Noncarcinogenic Risk
FTA

Average Non-Cancer Hazard Index Summary					
Nearby Worker, present					
	Inhalation of Fugitive Dust	Total	% Contrib		
Barium	4.10E-08	4.10E-08	1.00E+02		
Total by pathway	0.00				
% Contribution by pathway	1.00E+02				
Scenario Total		4.10E-08			
Reas. Max. Non-Cancer Hazard Index Summary					
Nearby Worker, present					
	Inhalation of Fugitive Dust	Total	% Contrib		
Barium	8.40E-08	8.40E-08	1.00E+02		
Total by pathway	0.00				
% Contribution by pathway	1.00E+02				
Scenario Total		8.40E-08			
Average Non-Cancer Hazard Index Summary					
Nearby Worker, Future					
	Inhalation of Fugitive Dust	Total	% Contrib		
Barium	4.10E-08	4.10E-08	1.00E+02		
Ethylbenzene	2.90E-16	2.90E-16	7.01E-07		
Toluene	1.40E-15	1.40E-15	3.47E-06		
Total by pathway	0.00				
% Contribution by pathway	1.00E+02				
Scenario Total		4.10E-08			
Reas. Max. Non-Cancer Hazard Index Summary					
Nearby Worker, Future					
	Inhalation of Fugitive Dust	Total	% Contrib		
Barium	8.40E-08	8.40E-08	1.00E+02		
Ethylbenzene	7.00E-16	7.00E-16	8.39E-07		
Toluene	3.60E-15	3.60E-15	4.34E-06		
Total by pathway	0.00				
% Contribution by pathway	1.00E+02				
Scenario Total		8.40E-08			

ATTACHMENT A-5

Risk-Based Screening Methodology and Results

A.5 Risk-Based Screening for the Selection of COPCs

The last step in the selection process for COPCs involves screening maximum soil and water concentrations using EPA Region III screening guidance. The *action levels* derived using the screening guidance are compared with the maximum concentrations detected at the site. Chemicals with maximum concentrations that are above the action levels are retained as COPCs. The following sections outline the guidance and describe the screening process. Results of the risk-based screens are also attached.

A.5.1 Region III Guidance

EPA's *Region III Technical Manual for Risk Assessment, Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening* (EPA, 1993) presents a new methodology that uses an absolute comparison of risk rather than the relative concentration toxicity screen outlined in *RAGs* (EPA, 1989) to select contaminants. The new guidance provides risk-based concentrations for 600 contaminants in air, drinking water, fish, and soil that correspond to a lifetime cancer risk of 1×10^{-6} or systemic hazard quotient of 0.1. The risk-based values are based on exposure algorithms developed by EPA (1991) and current toxicity values from IRIS and HEAST. Algorithms used in the risk-based screen address exposures from ingestion of contaminants found in residential soils. This algorithm is presented in Table A.5-1.

Algorithms and exposure factors in the Region III guidance (EPA, 1993) are incorporated into a relational database model that calculates risk-based soil concentrations using an allowable cancer risk of 10^{-6}. For systemic toxicants, the model calculates risk-based concentrations using a hazard quotient of 0.1. Subsequently, the Region III screening process is applied.

Table A.5-1
EPA Region III Screening Algorithms for Residential Soils

[a]Carcinogens:

$$C\ (mg/Kg) = \frac{Risk \times 365\ days/yr \times ATc}{EF \times \frac{IFSadj}{10^6\ mg/kg} \times SFo}$$

[b]Non-Carcinogens:

$$C\ (mg/Kg) = \frac{HQ \times RfDo \times BWc \times 365\ days/yr \times ATn}{EF \times EDc \times \frac{IRSc}{10^6\ mg/kg}}$$

Exposure Variables:

C	=	Risk-Based Concentration (mg/kg)
Risk	=	Target Cancer Risk (unitless): 10^{-6}
ATc	=	Averaging Time Carcinogens (y): 70
EF	=	Exposure Frequency (d/y): 350
IFSadj	=	Soil Ingestion Factor, Age Adjusted (mg-y/kg-d): 114.29
EDc	=	Exposure Duration, age 1-6 (y): 6
SFo	=	Chemical-Specific Oral Slope Factor $(mg/kg\text{-}day)^{-1}$
HQ	=	Target Hazard Quotient (unitless): 0.1
RfDo	=	Chemical-Specific Oral Reference Dose (mg/kg/d)
BWc	=	Body Weight, Age 1-6 (kg): 15
ATn	=	Averaging Time Non-Carcinogens (y): 6
IRSc	=	Soil Ingestion, Age 1-6 (mg/d): 200

[a] Carcinogenic calculations are based on combined child and adult exposure.
[b] Noncarcinogenic calculations are based on childhood exposure only.

Equations from:
EPA Region III, 1994. Risk-Based Concentration Table, Fourth Quarter 1994. Hazardous Waste Management Division, Office of Superfund Programs, Philadelphia, PA. April 1994.

A.5.2 Steps Used in the Screening Process

The steps used in the screening process that are incorporated in the spreadsheet model are outlined below:

- Maximum detected concentrations for each contaminant are identified and compared with the risk-based concentrations for each medium.
- In cases where the maximum concentration exceeds the risk-based concentration, the contaminant is retained for inclusion in all exposure routes involving that medium. Otherwise the contaminant is eliminated from that medium.
- If a given contaminant does not exceed the risk-based concentration for any medium, then the contaminant is eliminated from the assessment.

All contaminants and/or media eliminated by this process are kept on a separate list to be considered for reinclusion in the assessment. Reasons for reinclusion include historical information, exceptional toxicity, mobility, persistence, special exposure routes, or treatability problems. Results of the screening assessment for the FTA are presented in the pages that follow.

Results of Risk-Based Screening

RISK BASED SCREENING FOR SOIL

FACILITY: HOLLOMAN TABLE 1

Sample Date: 05/12/95

SWMU: FTA-Surface

Chemical Name	CAS Number	Oral RfD mg/kg/day	Oral SF $(mg/kg/day)^{-1}$	Frequency of Detection	Maximum Detection mg/kg	Mean mg/kg	Standard Deviation	UCL mg/kg	EPA REGION III, RESIDENTIAL Screening Level mg/kg	Reg. Ratio	Meets Criteria
Benzene	71-43-2	.00000E+0	.29000E-1	12/32	.135000E+2	.106068E+1	.306760E+1	.198013E+1	.22025E+2	0.61294	NO
Ethylbenzene	100-41-4	.10000E+0	.00000E+0	17/32	.250000E+3	.291898E+2	.685406E+2	.497333E+2	.78214E+3	0.31963	NO
Barium	7440-39-3	.70000E-1	.00000E+0	16/16	.134000E+3	.781562E+2	.361875E+2	.940158E+2	.54750E+3	0.24475	NO
Toluene	108-88-3	.20000E+0	.00000E+0	17/32	.197000E+3	.213279E+2	.555672E+2	.379830E+2	.15642E+4	0.12594	NO
Selenium	7782-49-2	.50000E-2	.00000E+0	16/16	.463000E+1	.226225E+1	.102888E+1	.271317E+1	.39107E+2	0.11839	NO
4-Chloroaniline	106-47-8	.40000E-2	.00000E+0	2/28	.370000E+1	.727581E+0	.967459E+0	.103899E+1	.31285E+2	0.11826	NO
Naphthalene	91-20-3	.40000E-1	.00000E+0	12/28	.310000E+2	.259751E+1	.608131E+1	.455503E+1	.31285E+3	0.09909	NO
Dibenzofuran	132-64-9	.40000E-2	.00000E+0	8/28	.307000E+1	.411211E+0	.687120E+0	.632389E+0	.31285E+2	0.09813	NO
Lead	7439-92-1	.00000E+0	.17500E-2	16/16	.982000E+1	.446687E+1	.260627E+1	.560910E+1	.36498E+3	0.02691	NO
Total xylenes	1330-20-7	.20000E+1	.00000E+0	18/32	.373000E+3	.550504E+2	.117768E+3	.903489E+2	.15642E+5	0.02384	NO
Mercury	7439-97-6	.30000E-3	.00000E+0	16/16	.463000E-1	-.273130E-2	.202644E-1	.614990E-2	.23464E+1	0.01973	NO
Methylene chloride	75-09-2	.60000E-1	.75000E-2	22/32	.150000E+1	.844520E-1	.280197E+0	.168435E+0	.85163E+2	0.01761	NO
Fluorene	86-73-7	.40000E-1	.00000E+0	8/28	.235000E+1	.240432E+0	.484788E+0	.396481E+0	.31285E+3	0.00751	NO
1,1,1-Trichloroethane	71-55-6	.90000E-1	.00000E+0	2/32	.200000E+1	.696991E-1	.352401E+0	.175323E+0	.70392E+3	0.00284	NO
Acetone	67-64-1	.10000E+0	.00000E+0	21/32	.220000E+1	.288531E+0	.597971E+0	.467760E+0	.78214E+3	0.00281	NO
Chromium	16065-83-1	.10000E+1	.00000E+0	16/16	.197000E+2	.117787E+2	.470021E+1	.138386E+2	.78214E+4	0.00252	NO
Chloromethane	74-87-3	.00000E+0	.13000E-1	4/32	.156000E-1	.193286E+0	.672900E+0	.394973E+0	.49132E+2	0.00032	NO
Carbon disulfide	75-15-0	.10000E+0	.00000E+0	7/32	.160000E+0	.233901E+0	.870988E+0	.494960E+0	.78214E+3	0.00020	NO
Methyl ethyl ketone	78-93-3	.60000E+0	.00000E+0	6/32	.406000E-1	.340442E+0	.153678E+1	.801058E+0	.46928E+4	0.00001	NO
Methyl ethyl ketone	78-93-3	.60000E+0	.00000E+0	6/32	.406000E-1	.340442E+0	.153678E+1	.801058E+0	.46928E+4	0.00001	NO
4-Methyl-2-pentanone (MIBK)	108-10-1	.50000E-1	.00000E+0	3/32	.440000E-2	.140770E-2	.184450E-2	.196060E-2	.39107E+3	0.00001	NO
TRPH		.00000E+0	.00000E+0	9/20	.403000E+4	.829190E+3	.126652E+4	.131888E+4	.00000E+0	0.00000	NV
Phenanthrene	85-01-8	.00000E+0	.00000E+0	6/28	.283000E+1	.239595E+0	.564586E+0	.421331E+0	.00000E+0	0.00000	NV
Hydrocarbons		.00000E+0	.00000E+0	16/16	.318000E+5	.496212E+4	.883808E+4	.883552E+4	.00000E+0	0.00000	NV
Dibromomethane		.00000E+0	.00000E+0	4/16	.712000E-1	.763550E-2	.177309E-1	.154063E-1	.00000E+0	0.00000	NV
2-Methylnaphthalene	91-57-6	.00000E+0	.00000E+0	15/28	.832000E+2	.829860E+1	.177499E+2	.140121E+2	.00000E+0	0.00000	NV

Parameters used in this report:

Body weight, adult	70.00000	kg
Body weight, child	15.00000	kg
Lifetime	70	years
Exposure Duration	30	years
Exposure Frequency	350	days/year
Exposure Interval	0.00	sec.
Absorption Factor	1.00000	
Soil Intake Assumption, adult	0.10000	g/day
Soil Intake Assumption, child	0.20000	g/day
Age-adjusted Soil Ingestion Factor	114.29000	mg-yr/kg-day
Cancer Risk, Class A,B	.00000100	
Cancer Risk, Class C	.00000100	
Hazard Quotient	0.10000	

True Soil Porosity	0.50000	
True Soil/Particulate Density	0.00000	g/cm^3
Averaging Time	70.00000	years
Area of Contamination	50000000.00	cm^2
Side Length of Contaminated Area	0.00000	m
Diffusion Height	0.00000	m
Inhalation Rate	0.00000	m^3/day
Wind Speed	0.00000	m/sec
Mean Annual Wind Speed	4.50000	m/sec
Equivalent Threshold Wind Speed	12.80000	m/sec
Vegetative Cover	0.00000	
Um/Ut Function	0.04970	
Decision Factor	1.00000	

RISK BASED SCREENING FOR SOIL

FACILITY: HOLLOMAN TABLE 1

Sample Date: 05/12/95

SWMU: FTA-Subsurface

Chemical Name	CAS Number	Oral RfD mg/kg/day	Oral SF $(mg/kg/day)^{-1}$	Frequency of Detection	Maximum Detection mg/kg	Mean mg/kg	Standard Deviation	UCL mg/kg	EPA REGION III, RESIDENTIAL Screening Level mg/kg	Reg. Ratio	Meets Criteria
Arsenic	7440-38-2	.30000E-3	.17500E+1	2/2	.105000E+2	.720000E+1	.466690E+1	.280353E+2	.36498E+0	28.76820	YES
Benzo(a)pyrene	50-32-8	.00000E+0	.73000E+1	1/15	.740000E-1	.434172E-1	.197860E-1	.524153E-1	.87496E-1	0.84575	NO
Barium	7440-39-3	.70000E-1	.00000E+0	2/2	.227000E+3	.159600E+3	.953179E+2	.585146E+3	.54750E+3	0.41461	NO
Benzene	71-43-2	.00000E+0	.29000E-1	5/16	.677000E+1	.487638E+0	.169368E+1	.122991E+1	.22025E+2	0.30738	NO
Benzo(b)fluoranthene	205-99-2	.00000E+0	.73000E+0	1/15	.890000E-1	.456211E-1	.299477E-1	.592404E-1	.87496E+0	0.10172	NO
Cadmium (food)	7440-43-9F	.50000E-3	.00000E+0	2/2	.344000E+0	.213800E+0	.184130E+0	.103585E+1	.39107E+1	0.08796	NO
Ethylbenzene	100-41-4	.10000E+0	.00000E+0	7/16	.630000E+2	.588589E+1	.170796E+2	.133712E+2	.78214E+3	0.08055	NO
Benzo(a)anthracene	56-55-3	.00000E+0	.73000E+0	1/15	.630000E-1	.406515E-1	.166126E-1	.482063E-1	.87496E+0	0.07200	NO
Selenium	7782-49-2	.50000E-2	.00000E+0	2/2	.227000E+1	.189000E+1	.537401E+0	.428922E+1	.39107E+2	0.05805	NO
Lead	7439-92-1	.00000E+0	.17500E-2	2/2	.198000E+2	.133950E+2	.905803E+1	.538345E+2	.36498E+3	0.05425	NO
Toluene	108-88-3	.20000E+0	.00000E+0	13/16	.585000E+2	.417349E+1	.146272E+2	.105840E+2	.15642E+4	0.03740	NO
bis(2-Ethylhexyl)phthalate	117-81-7	.20000E-1	.14000E-1	1/15	.115000E+1	.262046E+0	.276086E+0	.387601E+0	.45623E+2	0.02521	NO
Naphthalene	91-20-3	.40000E-1	.00000E+0	2/15	.385000E+1	.280933E+0	.987500E+0	.730017E+0	.31285E+3	0.01231	NO
Total xylenes	1330-20-7	.20000E+1	.00000E+0	13/16	.119000E+3	.111317E+2	.322981E+2	.252868E+2	.15642E+5	0.00761	NO
3-Methylphenol/4-Methylphenol	106-44-5	.50000E-2	.00000E+0	1/15	.197000E+0	.164648E+0	.112015E+0	.215589E+0	.39107E+2	0.00504	NO
Chromium	16065-83-1	.10000E+1	.00000E+0	2/2	.253000E+2	.190000E+2	.890954E+1	.587766E+2	.78214E+4	0.00323	NO
Acetone	67-64-1	.10000E+0	.00000E+0	6/16	.760000E+0	.887995E-1	.196173E+0	.174775E+0	.78214E+3	0.00097	NO
Chrysene	218-01-9	.00000E+0	.73000E-2	2/15	.742000E-1	.407201E-1	.241862E-1	.517192E-1	.87496E+2	0.00085	NO
Pyrene	129-00-0	.30000E-1	.00000E+0	2/15	.970000E-1	.572338E-1	.354029E-1	.733339E-1	.23464E+3	0.00041	NO
Methylene chloride	75-09-2	.60000E-1	.75000E-2	14/16	.250000E-1	.178250E+0	.686006E+0	.478900E+0	.85163E+2	0.00029	NO
Fluoranthene	206-44-0	.40000E-1	.00000E+0	1/15	.900000E-1	.467605E-1	.340599E-1	.622499E-1	.31285E+3	0.00029	NO
Chloromethane	74-87-3	.00000E+0	.13000E-1	1/16	.420000E-2	.838750E-2	.226318E-1	.183062E-1	.49132E+2	0.00009	NO
Di-n-butylphthalate	84-74-2	.10000E+0	.00000E+0	1/15	.490000E-1	.237780E-1	.151736E-1	.306784E-1	.78214E+3	0.00006	NO
Trichloroethene	79-01-6	.60000E-2	.11000E-1	4/16	.130000E-2	.479821E-1	.186626E+0	.129773E+0	.46928E+2	0.00003	NO
Carbon disulfide	75-15-0	.10000E+0	.00000E+0	1/16	.194000E-1	.672580E-2	.619280E-2	.943980E-2	.78214E+3	0.00002	NO
4-Methyl-2-pentanone (MIBK)	108-10-1	.50000E-1	.00000E+0	4/16	.240000E-2	.992870E-2	.347505E-1	.251586E-1	.39107E+3	0.00001	NO
1,1,1-Trichloroethane	71-55-6	.90000E-1	.00000E+0	1/16	.490000E-2	.370705E-1	.138040E+0	.975687E-1	.70392E+3	0.00001	NO
TRPH		.00000E+0	.00000E+0	4/10	.115000E+5	.203469E+4	.374378E+4	.420490E+4	.00000E+0	0.00000	NV
Phenanthrene	85-01-8	.00000E+0	.00000E+0	2/15	.303000E+0	.398355E-1	.736611E-1	.733342E-1	.00000E+0	0.00000	NV
Hydrocarbons		.00000E+0	.00000E+0	2/2	.160000E+5	.138000E+5	.311126E+4	.276902E+5	.00000E+0	0.00000	NV
Benzo(g,h,i)perylene	191-24-2	.00000E+0	.00000E+0	1/15	.770000E-1	.307801E-1	.281371E-1	.435760E-1	.00000E+0	0.00000	NV
2-Methylnaphthalene	91-57-6	.00000E+0	.00000E+0	3/15	.617000E+1	.469046E+0	.157750E+1	.118644E+1	.00000E+0	0.00000	NV

Parameters used in this report:

Body weight, adult	70.00000	kg
Body weight, child	15.00000	kg
Lifetime	70	years
Exposure Duration	30	years
Exposure Frequency	350	days/year
Exposure Interval	0.00	sec.
Absorption Factor	1.00000	
Soil Intake Assumption, adult	0.10000	g/day
Soil Intake Assumption, child	0.20000	g/day
Age-adjusted Soil Ingestion Factor	114.29000	mg-yr/kg-day
Cancer Risk, Class A,B	.00000100	
Cancer Risk, Class C	.00000100	
Hazard Quotient	0.10000	

True Soil Porosity	0.50000	
True Soil/Particulate Density	0.00000	g/cm^3
Averaging Time	70.00000	years
Area of Contamination	50000000.00	cm^2
Side Length of Contaminated Area	0.00000	m
Diffusion Height	0.00000	m
Inhalation Rate	0.00000	m^3/day
Wind Speed	0.00000	m/sec
Mean Annual Wind Speed	4.50000	m/sec
Equivalent Threshold Wind Speed	12.80000	m/sec
Vegetative Cover	0.00000	
Um/Ut Function	0.04970	
Decision Factor	1.00000	