PARSONS

150 Federal Street • Boston, Massachusetts 02110-1713 • (617) 946-9400 • Fax (617) 946-9777 • www.parsons.com

February 2, 2007

Mr. Jesse Perez
U. S. Air Force Center for Environmental Excellence
HQ AFCEE/IWA-COR
3300 Sidney Brooks, Building 532
Brooks City-Base, TX 78235-5112

SUBJECT: Annual Report – SEAD-25 and SEAD-26 at Seneca Army Depot Activity; Contract FA8903-04-D-8675, Delivery Order 0012, CDRL A001H

Dear Mr. Perez:

Parsons is pleased to submit the Annual Report for the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) at Seneca Army Depot Activity (SEDA) in Romulus, New York. This work was performed in accordance with the Scope of Work (SOW) for Contract No. FA8903-04-D-8675, Task Order No. 0012. This Annual Report provides a review of long-term groundwater monitoring and provides recommendations for future long-term monitoring at SEAD-25 and SEAD-26. This document also provides an annual review of the effectiveness of the remedy implemented in 2005.

Parsons appreciates the opportunity to provide you with the Annual Report for this work. Should you have any questions, please do not hesitate to call me at (617) 449-1405 to discuss them.

Sincerely,

Todd Heino, P.E.
Program Manager

Enclosures

cc: S. Absolom, SEDA
K. Hoddinott, USACHPPM
C. Boes, USAEC
J. Fallo, USACE, NY District
T. Battaglia, USACE, NY District
Air Force email

PARSONS

150 Federal Street • Boston, Massachusetts 02110-1713 • (617) 946-9400 • Fax (617) 946-9777 • www.parsons.com

February 2, 2007

Mr. Julio Vazquez
USEPA Region II
Superfund Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866

Mr. Kuldeep K. Gupta, P.E.
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation
Remedial Bureau A, Section C
625 Broadway
Albany, NY 12233-7015

Mr. Mark Sergott
Bureau of Environmental Exposure Investigation, Room 300
New York State Department of Health
547 River Street, Flanigan Square
Troy, NY 12180

SUBJECT: Annual Report – SEAD-25 and SEAD-26 at Seneca Army Depot Activity; Contract FA8903-04-D-8675, Delivery Order 0012, CDRL A001H

Dear Mr. Vazquez/Mr. Gupta/Mr. Sergott:

Parsons is pleased to submit the Annual Report for the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) at Seneca Army Depot Activity (SEDA) in Romulus, New York (EPA Site ID# NY0213820830 and NY Site ID# 8-50-006). This Annual Report provides a review of long-term groundwater monitoring and provides recommendations for future long-term monitoring at SEAD-25 and SEAD-26. This document also provides an annual review of the effectiveness of the remedy implemented in 2005.

Parsons appreciates the opportunity to provide you with the Annual Report for this work. Should you have any questions, please do not hesitate to call me at (617) 449-1405 to discuss them.

Sincerely,

Todd Heino, P.E.
Program Manager

Enclosures

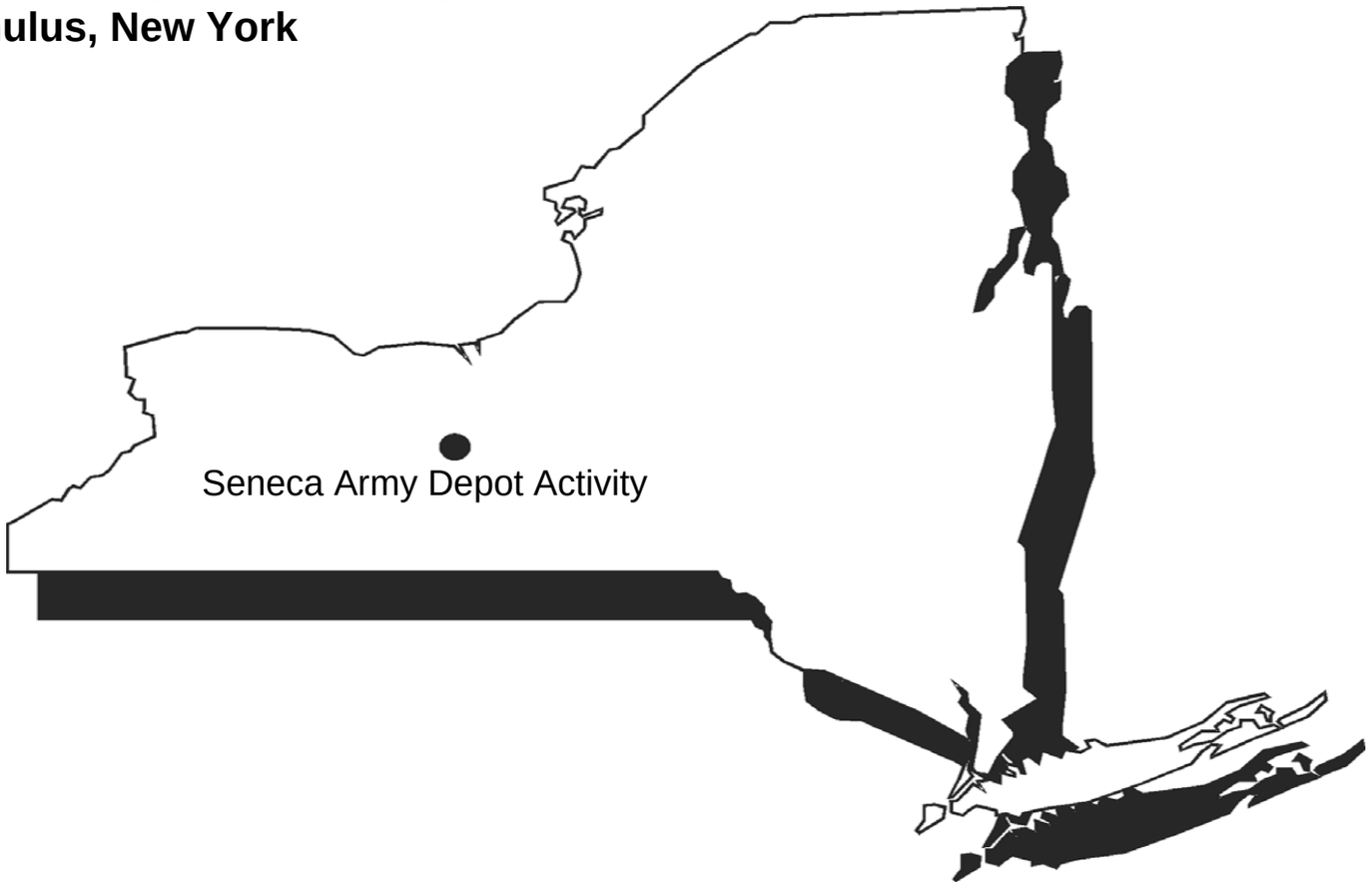
cc: J. Perez, AFCEE
S. Absolom, SEDA
C. Boes, USAEC
Air Force email (letter only)
K. Hoddinott, USACHPPM
J. Fellinger, Techlaw
T. Battaglia, USACE, NY District
J. Fallo, USACE, NY District

US Army Corps of Engineers

Air Force Center for Environmental Excellence

00670

Seneca Army Depot Activity
Romulus, New York



DRAFT
ANNUAL REPORT

FOR THE FIRE TRAINING AND DEMONSTRATION PAD (SEAD-25)
AND THE FIRE TRAINING PIT AND AREA (SEAD-26)
SENECA ARMY DEPOT ACTIVITY

AFCEE CONTRACT NO. FA8903-04-D-8675
TASK ORDER NO. 0012
CDRL A001H
EPA SITE ID# NY0213820830
NY SITE ID# 8-50-006

PARSONS
FEBRUARY 2007

DRAFT ANNUAL REPORT

FOR THE FIRE TRAINING AND DEMONSTRATION PAD (SEAD-25) AND THE FIRE TRAINING PIT AND AREA (SEAD-26)

SENECA ARMY DEPOT ACTIVITY, ROMULUS, NEW YORK

Prepared for:

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS CITY-BASE, TEXAS

and

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK

Prepared by:

PARSONS
150 Federal Street
Boston, MA 02110

Contract Number FA8903-04-D-8675
Task Order No. 0012
CDRL A001H
EPA SITE ID# NY0213820830
NY SITE ID# 8-50-006

February 2007

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
AFCEE	Air Force Center for Environmental Excellence
ARAR	Applicable or Relevant and Appropriate Requirement
AWQS	Ambient Water Quality Criteria
bgs	Below ground surface
BRAC	Base Realignment and Closure
BTE	Benzo(a)pyrene Toxicity Equivalence
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Contaminant of Concern
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbon
cy	Cubic yards
DCE	Dichloroethene
ES	Engineering Science, Inc.
ESI	Expanded Site Inspection
FFA	Federal Facility Agreement
LTM	Long-term Monitoring
LUC	Land Use Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
ORP	Oxidation/reduction potential
PCE	Perchloroethene
QA/QC	Quality Assurance/Quality Control
QC	Quality Control
RA	Remedial Action
RD	Remedial Design
RDWP	Remedial Design Work Plan
RI	Remedial Investigation
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SEDA	Seneca Army Depot Activity
STL	Severn Trent Laboratory
SVOC	Semivolatile Organic Carbon
TAGM	Technical and Administrative Guidance Memorandum
TCE	Trichloroethene
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Carbon

1.0 INTRODUCTION

This Annual Report for the Fire Training and Demonstration Pad (SEAD-25) and the Fire Training Pit and Area (SEAD-26) at the Seneca Army Depot Activity (SEDA or the Depot) in Romulus, New York provides a review of long-term groundwater monitoring this year and provide recommendations for future long-term monitoring at SEAD-25 and SEAD-26. This document also provides an annual review of the effectiveness of the remedy implemented in 2005.

In accordance with the Record of Decision (ROD) for SEAD-25 and SEAD-26 (Parsons, 2004) and the Remedial Design Work Plan and Design Report (Parsons, 2005), a remedial action was completed in November and December 2005. The remedial action involved the removal of 1,722 cubic yards (cy) of volatile organic compound (VOC) and semivolatile organic compound (SVOC) impacted soil and sediment at SEAD-25, and the removal of 828 cy of carcinogenic polycyclic aromatic hydrocarbon (cPAH) impacted soil at SEAD-26.

As part of the remedial action at SEAD-25 and SEAD-26, long-term groundwater monitoring (LTM) is being performed as part of the post-closure operations for the two sites. Groundwater monitoring is required as a condition of the ROD since contaminant concentrations in the groundwater at these two sites exceeded applicable groundwater standards during sampling events conducted as part of the Remedial Investigation (RI) in 1994 and 1995. The first of two rounds of groundwater sampling for the first year of LTM was completed between January 24, 2006 and January 31, 2006, and one additional sample was collected on April 12, 2006. The results and conclusions were presented in a Round 1 Long-Term Monitoring letter report, submitted May 31, 2006. The second round of semiannual groundwater sampling was completed between August 7, 2006 and August 15, 2006, and the results and conclusions were presented in a Round 2 Long-Term Monitoring letter report, submitted on December 7, 2006.

2.0 SITE BACKGROUND

2.1 Site Description

SEDA is a 10,587-acre former military facility located in Seneca County near Romulus, New York, which has been owned by the United States Government and operated by the Department of the Army since 1941. SEDA is located between Seneca Lake and Cayuga Lake in Seneca County and is bordered by New York State Highway 96 on the east, New York State Highway 96A on the west, and sparsely populated farmland on the north and south.

The Fire Training and Demonstration Pad (SEAD-25) is located in the east-central portion of SEDA. The site is bounded to the east by Administration Avenue beyond which is undeveloped land covered by deciduous trees; to the south by Ordnance Drive beyond which is an open grassy field and a stand of coniferous trees; to the west by grassland, brush and conifers; and to the north by grassland and a baseball field. A site map of the area is included as **Figure 1**. SEAD-25 was in use from the late

1960s to the late 1980s. The former pad was used for fire control training. During the 1980s, the pad was used twice for fire fighting demonstrations, once in 1982 or 1983 and in 1987.

The Fire Training Pit and Area (SEAD-26) is located in the southeastern portion of SEDA. The site is bounded to the east and west by SEDA railroad tracks; on the south by grassland and low brush; and on the north by 7th Street. Vehicular access is currently provided to the site via a locking gate on 7th Street. A site map of the area is included as **Figure 2**. SEAD-26 was in use from 1977 to 1994. The site was used one to four times a year for fire fighting training during which time various flammable materials were floated on water, ignited, and extinguished.

2.2 Site Hydrology

The hydrogeologic setting for SEAD-25 and SEAD-26 has been described in detail in Sections 3.1.6 and 3.2.6 of the Final RI Report dated May 1998. A brief summary of hydrogeologic conditions found in the RI Report is presented below for each site.

2.2.1 SEAD-25

Groundwater contour mapping indicates that shallow groundwater flow is radial below the pad, with a stronger horizontal gradient to the south and west (**Figure 3**). The radial groundwater flow that has developed below the pad at SEAD-25 is believed to be a local phenomenon that is present because of the influence of the anthropomorphic bedrock topographic mound located below the pad. Groundwater flow in the deeper competent shale zone is to the west and southwest. The horizontal hydraulic gradients ranged from 0.01ft/ft to 0.02ft/ft in both the shallow saturated zone located in the till/weathered shale zone and the deep saturated zone located in the competent shale zone.

Hydraulic conductivities at SEAD-25 were found to range from 1.0×10^{-5} cm/sec to 3.4×10^{-3} cm/sec, with an average of 6.1×10^{-4} cm/sec in shale/weathered bedrock. Both downward and upward vertical gradients were calculated for SEAD-25. The magnitude of the downward hydraulic gradients ranged from -0.04 ft/ft to -0.21 ft/ft. The magnitude of the upward hydraulic gradients ranged from 0.01 ft/ft to 0.07 ft/ft.

2.2.2 SEAD-26

Groundwater contour mapping indicates that groundwater flow is to the west (**Figure 4**). The horizontal hydraulic gradient was calculated to be 0.01ft/ft between monitoring wells MW26-1 and MW26-3 (Parsons Engineering Science, 1998a).

Hydraulic conductivities were found to range from 1.5×10^{-3} cm/sec to 3.9×10^{-3} cm/sec with an average of 2.5×10^{-3} cm/sec. These values are approximately one order of magnitude higher than those in the till/weathered shale aquifer at SEAD-25, possibly because the fill portion of the overburden is contributing to the overall higher conductivity values at SEAD-26.

2.3 Soil and Groundwater Impacts

2.3.1 SEAD-25

The primary contaminants of concern (COCs) at SEAD-25 were VOCs, specifically benzene, toluene, ethylbenzene, and xylene (BTEX), compounds in both soil and groundwater, as well as lesser amounts of chlorinated ethene compounds in groundwater. The pre-remedial action impacts from BTEX compounds occurred at three soil sample locations (SB25-3, SB25-4, and SB25-5) clustered together in the western half of the pad. The vertical impacts extended from the land surface to a depth of 4 to 6 feet below the surface, which approximately corresponds to the top of competent bedrock (which was encountered at approximately 4.5 feet below ground surface during the removal action). The highest levels of BTEX were detected at soil boring SB25-3, measuring 15,810 µg/Kg, 151,500 µg/Kg, and 10,200 µg/Kg at depth intervals of 0-2 feet, 2-4 feet, and 4-6 feet below ground surface, respectively. Lower levels of BTEX were detected in the surface soil at SB25-3 and SB25-4 at concentrations of 4,200 µg/Kg and 2,900 µg/Kg, respectively.

Based on the RI results, the primary impact to the groundwater is from two overlapping VOC plumes that both originate at the southwestern portion of the Fire Training and Demonstration Pad. BTEX and chlorinated ethenes were not detected in the bedrock wells at SEAD-25. The primary plume observed during the RI is approximately 200 feet long and is composed of hydrocarbon compounds that are typically associated with gasoline (BTEX). The maximum concentration of BTEX detected in the groundwater during the RI was 6,220 µg/L at MW25-2. The maximum concentration of chlorinated organics, also detected at MW25-2, was measured at 88 µg/L during the ESI. The historic groundwater data are in **Table A-1** in **Appendix A**.

Impacts to soil in the drainage swales at SEAD-25 were mainly from SVOCs, pesticides, and heavy metals. The most significant impacts from SVOCs and metals were in the drainage swale northwest of the pad, whereas in the other ditch the most significant impact from SVOCs was found in an upgradient location. No COCs were identified in surface water that required remediation.

2.3.2 SEAD-26

At SEAD-26, the primary contaminants detected were SVOCs, namely cPAHs, in the soil. The maximum concentration of benzo(a)pyrene detected in the surface soil at SEAD-26 was 4,400 µg/Kg, and the maximum benzo(a)pyrene toxicity equivalence (BTE) measured at SEAD-26 was 6,269 µg/Kg. Groundwater impacts at SEAD-26 were primarily from VOCs. Concentrations that exceeded the NYSDEC Ambient Water Quality Criteria (AWQS) for Class GA waters for benzene (maximum detection of 2 µg/L) and ethyl benzene (maximum detection of 8 µg/L) were found in one well (MW26-7) that was located on the southern side of the burning pit. Based on the groundwater data, no plume of VOCs and SVOCs exists on the site. The historic groundwater data for SEAD-26 are presented in **Table A-2** in **Appendix A**.

No COCs were identified in ditch soil or surface water that required remediation.

2.4 Summary of the Remedial Action

2.4.1 SEAD-25

The excavation of the BTEX impacted soil at the pad at SEAD-25 began on November 15, 2005 and was completed on December 1, 2005, with soil removal totaling 961 cy. The depth of excavation extended to shale bedrock, approximately 4.5 feet below ground surface (bgs). Ten confirmatory soil samples (plus one duplicate sample) were collected from the sidewalls of the excavation area and analyzed for VOCs and SVOCs. All confirmatory soil samples representative of soil remaining on-site at the pad achieved the site-specific cleanup goals, and the soils at SEAD-25 do not require further action. The excavation of the soil at the pad removed the source of groundwater contamination.

Excavation of the SVOC impacted swale at SEAD-25 began on November 7, 2005 and was completed on November 8, 2005. The excavation extended from the toe of slope on one bank to the toe of slope on the other bank, resulting in the removal and off-site disposal of the swale soil (761 cy) at SEAD-25. Since the swale bottom consisted of exposed competent bedrock following excavation, no native material remained in the swale and confirmatory samples were not collected.

A total of 1,722 cy (approximately 2,600 tons) of soil were excavated from the pad and the swale at SEAD-25 and disposed off-site at Ontario County Landfill. The pad excavation was backfilled and restored to the existing grade.

2.4.2 SEAD-26

The initial excavation at SEAD-26 began on November 9, 2005 and was completed on November 15, 2005. Five distinct areas at SEAD-26 were excavated to a depth of 1 foot bgs, and a total of 828 cy (1,248 tons) of soil was excavated and disposed off-site. Forty-two (plus three duplicates) confirmatory soil samples were collected from the perimeter and the base of each of the five excavation areas and were analyzed for cPAHs. The edges of the five excavation areas were smoothed. All confirmatory samples representative of soil remaining on-site met the soil cleanup goals. Additional remediation of soils at SEAD-26 is not required.

2.5 Natural Attenuation Process Evaluation

One of the purposes of groundwater monitoring is to show that continued natural attenuation of the groundwater plume at SEAD-25 is occurring. This section gives a brief overview of the natural attenuation process and how the process can be evaluated. Numerous natural processes contribute to the reduction in dissolved phase contaminant concentrations over distance and time and are referred to as natural attenuation. These processes include sorption, dilution, dispersion, volatilization, and biodegradation. Of these, biodegradation is of primary interest because this process actually destroys

the contaminant, and because at many sites, it is the primary attenuation mechanism. USEPA's "Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water" can be used as guidance in determining that natural attenuation is occurring at SEAD-25 (USEPA, 1998).

Numerous laboratory and field studies have shown that many organic compounds are readily biodegraded via naturally occurring processes. Benzene and other petroleum hydrocarbons biodegrade readily under aerobic (oxygen-rich) conditions, and have been shown at multiple sites to biodegrade under anaerobic (oxygen-poor) conditions as well. Chlorinated ethenes biodegrade under anaerobic conditions through a process referred to as reductive dechlorination. Some chlorinated ethenes can also be biodegraded via direct aerobic oxidation (aerobic conditions).

Geochemical data concerning potential electron acceptors, biodegradation bi-products, and related analytes can be used as an indirect measure to show that organic compounds are biodegrading in saturated soil and groundwater. Depressed concentrations, as compared to background, of electron acceptors such as nitrate, oxygen, and sulfate that are used by microorganisms to facilitate the oxidation of VOCs within groundwater are geochemical indicators that VOCs are biodegrading. Similarly, elevated concentrations of biodegradation byproducts, such as iron II, in groundwater are also geochemical indicators that compounds are biodegrading. Depressed oxidation/reduction potential (ORP) may also indicate the occurrence of biodegradation.

Biodegradation of chlorinated organics requires the presence of natural or anthropogenic carbon to create the conditions (anaerobic, low redox potential) necessary to stimulate reductive dechlorination of the more chlorinated solvents such as perchloroethene (PCE) and trichloroethene (TCE). Daughter products of these compounds (dichloroethene [DCE] and vinyl chloride) can be reductively dechlorinated under reducing conditions or directly oxidized under aerobic (oxidizing) conditions. Therefore, indicators of conditions appropriate for chlorinated biodegradation would include those parameters, such as methane, already identified for petroleum biodegradation, as well as the presence of chlorinated daughter products and chloride. It should be noted, however, that the presence of road salt may interfere with chloride data interpretation.

Trends in natural attenuation parameters are more evident when higher concentrations of contaminants are present to naturally attenuate. At SEAD-25 trends in natural attenuation parameters will be difficult to interpret since the contaminant concentrations are currently low.

3.0 LONG-TERM MONITORING RESULTS

Two rounds of sampling were conducted during the first year of LTM. The first round was completed between January 24, 2006 and January 31, 2006, and one additional sample was collected on April 12, 2006. Well MW25-2 was sampled in April 2006 as part of the first LTM round since it appeared to be damaged, possibly from the cold weather, at the time of the January sampling event;

later inspection of the well found no evidence of damage and the well was sampled on April 12, 2006. The second round of sampling was completed between August 7, 2006 and August 15, 2006.

Groundwater samples were collected using low flow sampling techniques at both SEAD-25 and SEAD-26 in both the January/April 2006 sampling round and the August 2006 sampling round. A complete round of groundwater levels for SEAD-25 and SEAD-26 was recorded in April 2006 as well. A bladder pump was used to purge the wells and collect the samples during the first and second rounds. During the second round, a peristaltic pump was used to purge the well and collect the sample when the water level in the monitoring well fell below the intake of the bladder pump, as was the case with monitoring wells MW25-8, MW25-9, MW25-10, MW25-15, MW25-17, MW26-1, and MW26-4. Sampling procedures, sample handling and custody, holding times, and collection of field parameters were conducted in accordance with the "Final Sampling and Analysis Plan for Seneca Army Depot Activity (SAP)" (Parsons, 2005).

3.1 SEAD-25

For each round of groundwater sampling at SEAD-25, ten monitoring wells (MW25-2, MW25-3, MW25-8, MW25-9, MW25-10, MW25-13, MW25-15, MW25-17, MW25-18, and MW25-19) were sampled and a complete round of groundwater levels were measured. The groundwater samples were analyzed for the COCs and natural attenuation parameters. With the noted exception of MW25-13 and MW25-15 during the August 2006 round, groundwater samples were collected and submitted to Severn Trent Laboratory (STL) in Buffalo, New York for the following analyses:

- VOCs by USEPA SW846 Method 8260B
- SVOCs by USEPA SW846 Method 8270C
- Methane/Ethane/Ethene by RSK-175
- Nitrate and Nitrite by USEPA Method 353.2
- Chloride by USEPA Method 300.1
- Sulfate by USEPA Method 300.1
- Iron by USEPA SW846 Method 6010B
- Sodium by USEPA SW846 Method 6010B

At MW25-13 in August 2006, samples were only collected and submitted for analysis of VOCs due to the low groundwater volume and slow groundwater recharge rate in the well; and at MW25-15, samples were collected and submitted for all analyses except SVOCs due to the limited groundwater volume and slow groundwater recharge rate in the well. In both cases, the quantity of water in the well was not sufficient to fill all the sample bottles required, especially since SVOC analysis requires 2 liters of water.

In the field, the following geochemical parameters were measured and recorded for each groundwater sample:

- Sulfide
- pH
- Dissolved oxygen
- Conductivity
- Temperature
- Turbidity

- ORP

During the first LTM round, pH, ORP, conductivity, temperature, and turbidity were measured with a Horiba U-22, and dissolved oxygen was measured with a YSI 550A. For the August 2006 sampling round, pH, ORP, conductivity, temperature, dissolved oxygen, which were measured with a YSI 556 water quality meter, and turbidity was measured using a Lamotte turbidity meter. For both rounds, sulfide was measured using a Hach DR850 kit. The water quality meter was changed to a YSI 556 during the second round since it provides more stable results. Chemical analysis for VOCs and SVOCs was completed and compared to the groundwater cleanup goals. The geochemical parameters were measured to assess whether natural attenuation was occurring.

3.1.1 Groundwater Elevations

Groundwater elevation data were recorded for the 13 shallow aquifer wells (the 10 LTM wells plus three other historic wells) at SEAD-25 during the two semiannual sampling events on January 26, 2006 and August 7, 2006. An additional round was collected on April 12, 2006 while sampling MW25-2. The historic groundwater elevation range is presented on **Table 1A**. The groundwater levels from both LTM events produced similar groundwater contours. Groundwater contours shown in **Figure 3**, based on the most recent groundwater elevation data (August 2006), is consistent with past groundwater contours that indicate that shallow groundwater flow is radial and centered below the pad.

3.1.2 Analytical Data

VOCs

First LTM Round (January/April 2006)

Twelve VOCs were detected in the groundwater at SEAD-25 during the first round (January/April 2006). The groundwater results, presented in **Table 3,** were compared to the groundwater cleanup goals listed in **Table 2A**. A summary of the range of concentrations detected during the first year of LTM is presented below:

Parameter	SEAD-25 LTM Concentration Range (µg/L)	SEAD-26 LTM Concentration Range (µg/L)	Groundwater Standard (µg/L)
Benzene	0.58 J – 33	ND – 0.46 J	1
Toluene	ND – 14	ND	5
Ethyl benzene	0.77 J – 19	ND – 0.55 J	5
Xylene	ND – 62	ND	5
111-TCA	0.53 J – 0.62 J	ND	5
11-DCA	ND – 1	ND	5
DCE	ND – 2.8	ND	5
TCE	ND – 0.53 J	ND	5

Note: Only detected COCs with site-specific cleanup goals are included in this summary table.

Monitoring well MW25-2 is the source well, and MW25-3 and MW25-9 are close to the former source area, the historic pad. The only VOCs that exceeded the cleanup goals were BTEX compounds, which were detected at concentrations greater than the NYSDEC Class GA standards at the two wells located near the source area, MW25-2 and MW25-9, with a total BTEX concentration of 35 µg/L and 124 µg/L, respectively, shown in **Table 3** and **Figure 5**. BTEX compounds were not detected in any other monitoring well.

Chlorinated organics (1,1,1-trichloroethane, 1,1-dichloroethane, cis-1,2-dicholorethene, and trichloroethene) were detected in one well near the source area (MW25-9) at levels below their respective standards. The total chlorinated ethenes concentration in MW25-9 was 5.0 µg/L. During prior sampling events, chlorinated organics also had been detected in two other wells (MW25-2 and MW25-3); however, chlorinated organics were not detected during the first LTM event, as shown on **Figure 5**.

Second LTM Round (August 2006)

During the second LTM round, benzene was detected at the same two sample locations as the first round, MW25-2 and MW25-9, and exceeded the NYSDEC Class GA standard at MW25-2. The concentrations of benzene found at MW25-2 exceeded the GA standard of 1 µg/L in both the sample and the duplicate collected from that well (2.0 µg/L and 2.2 µg/L, respectively). The benzene detection at MW25-9 (0.58 J µg/L) was below the GA standard. Ethyl benzene was detected at one well (MW25-2) below its GA standard of 5 µg/L in the sample and the associated duplicate (0.77 J µg/L and 0.98 J µg/L, respectively). BTEX compounds were not detected in any other monitoring well in either round. During the second LTM round, one chlorinated organic, 1,1,1-trichloroethane, was detected in one well, MW25-10, at a concentration of 0.53 J µg/L, which is below the GA standard of 5 µg/L.

SVOCS

The SVOCs with site-specific cleanup goals listed in **Table 2A** were not detected in any of the groundwater samples in either LTM round, as shown in **Table 3**. During the first LTM round, five SVOCs without cleanup goals were detected in the groundwater at SEAD-25 at low concentrations, and COCs were not detected during the August 2006 sampling event.

3.1.3 Data Trends and Natural Attenuation Evaluation

There are two main lines of evidence to determine whether natural attenuation is occurring, listed below in order of significance:

1. Reduction in contaminant concentrations; and

2. Indirect geochemical indicators to assess the groundwater's assimilative capacity.

The primary line of evidence, reduction in VOC concentrations, is the only direct measure of attenuation of the plume. The well locations and concentrations are shown in **Figure 5**. Total BTEX concentrations decreased over time when compared to historic data, as shown on **Figure 5** and on the time plots (**Figures 6A**, **6B**, and **6C**). Similarly, time plots of chlorinated organics concentrations over time in MW25-2, MW25-3, and MW25-9 (**Figures 7A**, **7B**, and **7C**) demonstrate that chlorinated ethenes have been reduced to levels below the detection limit. The analytical data indicate that the VOC plume is attenuating. MW25-2 is considered the source well, since it generally has the highest concentrations. The total average BTEX concentration detected in the sample and the duplicate at MW25-2 in the first LTM round, 3.0 µg/L, was three orders of magnitude lower than the historical concentrations of 3,950 µg/L, 3,040 µg/L, and 6,220 µg/L detected during the sampling event in February 1994, November 1995, and April 1996, respectively, and one order of magnitude lower than the BTEX concentration detected during the first round of LTM in January 2006 (35 µg/L) (**Figure 6A**). The total chlorinated ethene concentrations at MW25-2 decreased from 81 µg/L in 1994 to non-detect in both rounds of sampling in 2006 (**Figure 7A**). The concentration of BTEX detected at MW25-9, located close to the prior soil source area, decreased from 165 µg/L in 1995 to 124 µg/L in January 2006; and it further decreased by three orders of magnitude to 0.58 µg/L in August 2006 (**Figure 6C**). Similarly, the total chlorinated ethene concentrations at MW25-9 decreased by a factor of two from 10 µg/L in 1995 to 5.44 µg/L in January 2006. Chlorinated ethenes were not detected at MW25-9 in August 2006 (**Figure 7C**).

The geochemical parameters provide an indirect indication of the natural attenuation of the plume. Methane was detected in one well, MW25-2, at concentrations of 36 µg/L and 35 µg/L in the sample and the duplicate, respectively, during the August 2006 sampling event. The detection of methane is collocated with the maximum detection of BTEX. The detection of methane is an indicator that reductive dechlorination is occurring. During both the January/April 2006 and the August 2006 sampling events, generally the other geochemical parameters collected in the field were inconclusive and inconsistent. The geochemical parameters are presented in **Tables 4A** and **4B** for the first round and second round, respectively.

Overall, the direct measurement of VOC concentrations indicate that the plume is attenuating.

3.2 SEAD-26

Four monitoring wells at SEAD-26 (MW26-1, MW26-3, MW26-4, and MW26-7) were sampled during both the first and second LTM rounds. Samples were not collected from monitoring well MW26-2 during either round since it was dry. Groundwater samples were collected from each well and submitted to STL for analysis for VOCs by USEPA SW846 Method 8260B. In the field, the following water quality measurements were recorded for each well: pH, ORP, dissolved oxygen, conductivity, temperature, and turbidity. During the first LTM round, pH, ORP, conductivity, temperature, and turbidity were measured with a Horiba U-22, and dissolved oxygen was measured with a YSI 550A. For the August 2006 sampling round, pH, ORP, conductivity, temperature, and dissolved oxygen were measured with a YSI 556 water quality meter, and turbidity was measured

using a Lamotte turbidity meter. A YSI 556 was selected as the water quality meter for the second round since it provides more stable results as environmental conditions vary.

3.2.1 Groundwater Elevations

The groundwater levels were recorded for the monitoring wells at SEAD-26 during the two semiannual sampling events on January 25, 2006 and August 7, 2006. An additional round of water levels was collected on April 12, 2006 while Parsons was onsite sampling well MW25-2. The groundwater levels from both LTM events produced similar groundwater contours. Groundwater contours shown in **Figure 4**, based on the most recent groundwater elevation data (August 2006), is consistent with past groundwater contours that indicate that groundwater flows to the west. The historic groundwater elevation range and the groundwater levels recorded January and August 2006 are presented on **Table 1B**.

3.2.2 Analytical Data

The groundwater results, presented in **Table 5**, were compared to the groundwater cleanup goals listed in **Table 2B**. During the first round of LTM, VOCs (benzene and ethyl benzene) were detected in only one monitoring well at SEAD-26, shown in **Table 5**. Benzene and ethyl benzene were both detected once at MW26-7 at concentrations of 0.46 J µg/L and 0.55 J µg/L, respectively, which are below their respective standards. During the second round of LTM in August 2006, VOCs were not detected in the groundwater at SEAD-26.

3.2.3 Data Trends

A review of the historic data and the LTM data shows that VOCs have only been detected at MW26-7. During the ESI and RI sampling events, BTEX compounds were detected at concentrations at or above the standards (benzene=1 µg/L, ethyl benzene=8 µg/L, and xylenes=5 µg/L) (**Table A-2**). The VOCs detected during the RI sampling events were either not detected or were detected at estimated values below the groundwater standards during the LTM rounds in 2006. The two rounds of groundwater data collected in 2006 confirmed the absence of a groundwater plume at SEAD-26. A depiction of this decreasing trend is shown in the time plot in **Figure 8**.

4.0 REMEDY EVALUATION

As discussed in **Section 2.4**, 961 cy of VOC impacted soil was removed from the pad located at SEAD-25, as noted on **Figure 5**. The soil was removed to eliminate the source of further groundwater degradation. The long-term groundwater monitoring is performed to show that the soil removal remedy is effective in continuing the natural attenuation of the VOC plume at SEAD-25.

The BTEX and chlorinated organics groundwater concentrations have decreased by more than 99% since the soil removal (shown in the time plots on **Figures 6** and **7**) due to the natural attenuation

process and the removal of the source material. The remedy of soil removal has been effective at SEAD-25.

At SEAD-26, the completed remedial action effectively removed the cPAH impacted surface soil. The groundwater monitoring in 2006 has further demonstrated the absence of groundwater contamination.

The remedy for SEAD-25 and SEAD-26 requires the implementation and maintenance of land use controls (LUCs) at the two sites. The LUC requirements are detailed in the "Land Use Control Remedial Design for SEAD 27, 66, 64A, *Final*" (2006). The selected LUCs for SEAD-25 and SEAD-26 are as follows:

- Prevent residential housing, elementary and secondary schools, childcare facilities and playground activities, and
- Prevent access to or use of the groundwater until NYS Class GA Groundwater Standards are met.

As part of the LTM program, the Army inspected the two sites to determine that the LUCs are being maintained. While performing the groundwater sampling, it was confirmed that no prohibited facilities have been constructed and no access to or use of groundwater was evident.

5.0 LONG-TERM MONITORING CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

- The concentrations of BTEX in the groundwater at SEAD-25 have decreased by up to three orders of magnitude since 1993.
- Chlorinated ethenes were not detected above cleanup goals;
- The VOC plume at SEAD-25 is attenuating to levels close to or lower than all applicable groundwater standards;
- The soil excavation remedy at SEAD-25 has been effective.
- At SEAD-26, no COCs were detected above cleanup goals and there is no evidence of groundwater contamination for the third consecutive sampling round (second round of the RI sampling and two rounds of post-remedial action monitoring).
- The LUCs at SEAD-25 and SEAD-26 are being maintained.

5.2 Recommendations

Based on the historical data and the results of the two rounds of semiannual LTM at SEAD-25 and SEAD-26, the Army recommends the following:

- The SEAD-25 monitoring wells should be sampled and analyzed for VOCs only, since no SVOCs of concern have been detected above groundwater standards at SEAD-25 for three consecutive rounds;

- Five monitoring wells at SEAD-25 should be removed from the LTM program. The wells should be removed since no COCs have been detected above detection limits at those wells at any time, and the concentrations in the source area wells (MW25-2, MW25-3, and MW25-9) have decreased to levels near the groundwater standards. The table below indicates which wells should be removed or retained in the program. **Figure 9** shows the location of the wells that will be retained.

Well ID	Included in LTM Program	Rationale
MW25-2	**Include**	Source well with detections of BTEX exceeding standards
MW25-3	**Include**	Historic detections of COCs
MW25-8	Eliminate	No COCs detected historically
MW25-9	**Include**	BTEX has been detected
MW25-10	**Include**	Chlorinated organics were detected
MW25-13	**Include**	Located downgradient of source well
MW25-15	Eliminate	No COCs detected since 1996
MW25-17	Eliminate	No COCs detected historically
MW25-18	Eliminate	No COCs detected historically
MW25-19	Eliminate	No COCs detected historically

- Groundwater monitoring will continue on a semiannual basis at SEAD-25 for 2007, and the frequency and number of wells included in the LTM program will be reevaluated as part of the 2007 annual report. If all COCs meet the cleanup goals in the next year of LTM, the monitoring program will be discontinued.

- At SEAD-26, the Army recommends that no further groundwater monitoring be performed. LTM is no longer needed since no COCs have been detected above the cleanup goals in the last two rounds of semiannual sampling. There is no evidence of contamination of the groundwater at SEAD-26 and further monitoring is not required.

LEGEND

- DRAINAGE DITCH
- FENCE
- UNPAVED ROAD
- BRUSH LINE
- RAILROAD
- 760 — GROUND SURFACE ELEVATION CONTOUR
- UNDERGROUND ELECTRIC UTILITY LINE
- UNDERGROUND WATER UTILITY LINE
- ROAD SIGN
- OVERHEAD UTILITY POLE
- HYDRANT
- MANHOLE
- UTILITY BOX
- DECIDOUS TREE
- COORD. GRID (250' GRID)
- POLE
- SEAD-25 — SURVEY MONUMENT

NOTES:

1. TOPOGRAPHY BASED ON AERIAL SURVEY BY:

   LOCKWOOD SURVEY
   36 KARLAN DRIVE
   ROCHESTER NEW YORK

2. HORIZONTAL DATUM IS BASED ON NAD83 PER SENECA ARMY DEPOT SEAD 25A MONUMENTS SURVEY CONTROL COORDINATES DATED 1994.
3. VERTICAL DATUM IS BASED ON NAD88.

50 0 50 100
(feet)

PARSONS

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT

ROMULUS, NEW YORK

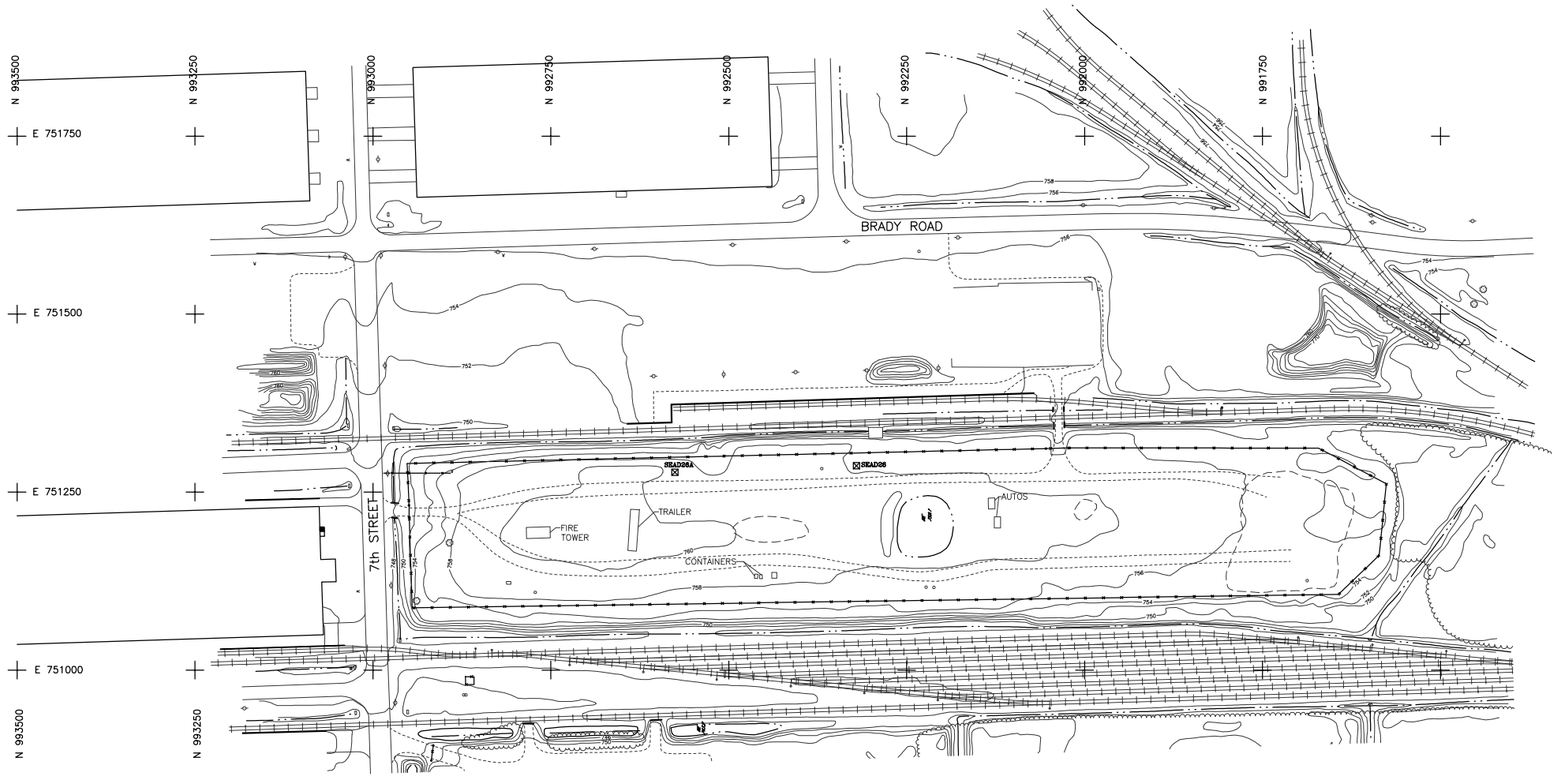
SEAD 25/26 ANNUAL REPORT

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	744538-05200

FIGURE 1

SEAD-25 SITE PLAN

SCALE	DATE	REV
AS SHOWN	JANUARY 2007	



N

LEGEND

- DRAINAGE DITCH
- FENCE
- UNPAVED ROAD
- BRUSH LINE
- RAILROAD
- 760 — GROUND SURFACE ELEVATION CONTOUR
- E E E E — UNDERGROUND ELECTRIC UTILITY LINE
- W W W W — UNDERGROUND WATER UTILITY LINE
- ROAD SIGN
- OVERHEAD UTILITY POLE
- HYDRANT
- MANHOLE
- UTILITY BOX
- DECIDOUS TREE
- COORD. GRID (250' GRID)
- POLE
- SEAD-25 — SURVEY MONUMENT

NOTES:

1. TOPOGRAPHY BASED ON AERIAL SURVEY BY:

   LOCKWOOD SURVEY
   36 KARLAN DRIVE
   ROCHESTER NEW YORK

2. HORIZONTAL DATUM IS BASED ON NAD83 PER SENECA ARMY DEPOT SEAD 26A MONUMENTS SURVEY CONTROL COORDINATES DATED 1994.
3. VERTICAL DATUM IS BASED ON NAD88.

100 0 100 200
(feet)

PARSONS

CLIENT/PROJECT TITLE

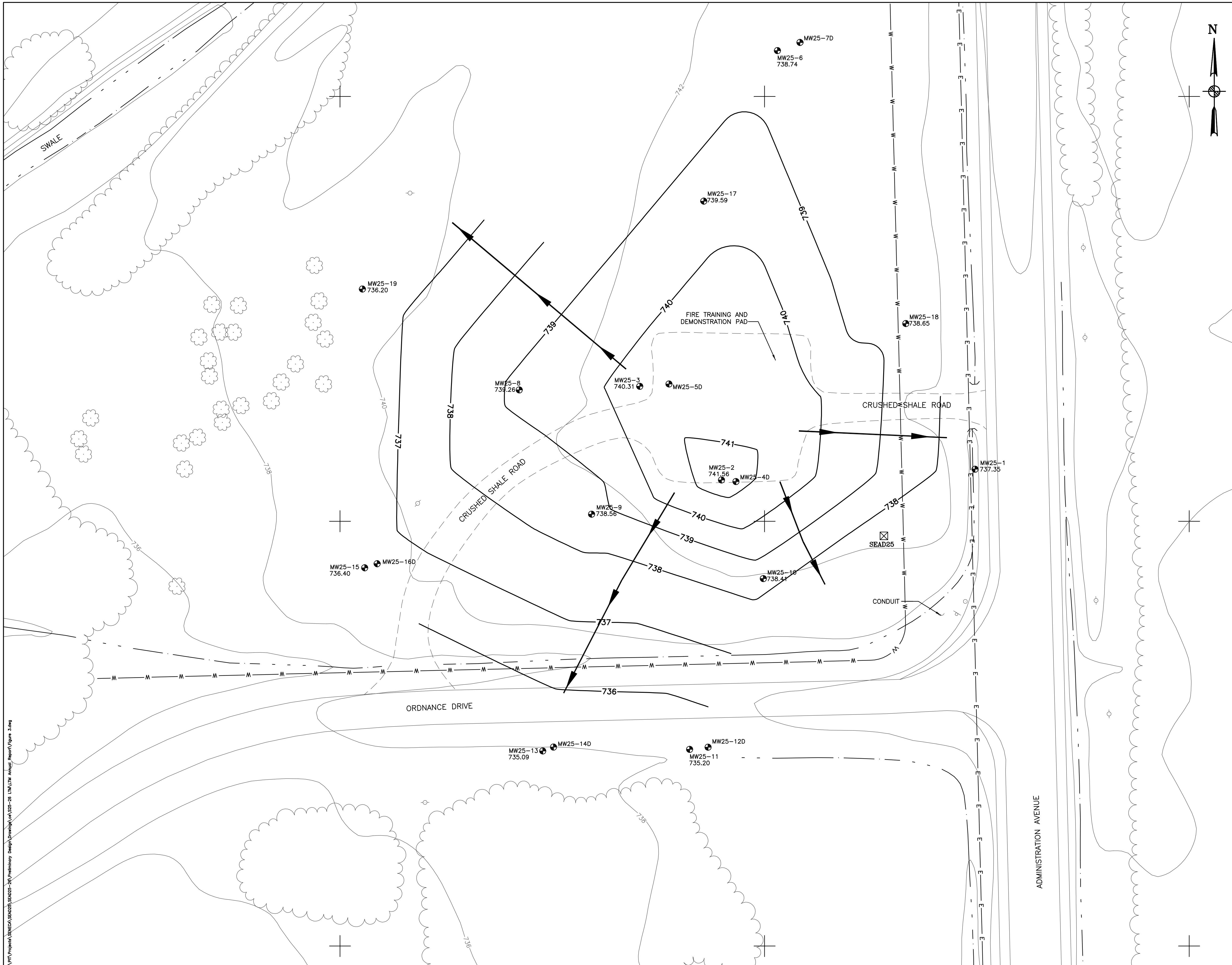
SENECA ARMY DEPOT
ROMULUS, NEW YORK
SEAD 25/26 ANNUAL REPORT

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	744538-05200

FIGURE 2
SEAD-26 SITE PLAN

SCALE	DATE	REV
AS SHOWN	JANUARY 2007	

P:\PT\Projects\SENECA\SEAD25\SEAD25-26\Preliminary Design\Drawings\cvt\525-26 LTM\LTM Annual Report\Figure 2.dwg



LEGEND

- DRAINAGE DITCH
- FENCE
- UNPAVED ROAD
- BRUSH LINE
- RAILROAD
- 760 GROUND SURFACE ELEVATION CONTOUR
- UNDERGROUND ELECTRIC UTILITY LINE
- UNDERGROUND WATER UTILITY LINE
- ROAD SIGN
- OVERHEAD UTILITY POLE
- HYDRANT
- MANHOLE
- UTILITY BOX
- DECIDOUS TREE
- COORD. GRID (250' GRID)
- POLE
- SEAD-25 SURVEY MONUMENT
- MW25-19 740.1 MONITORING WELL LOCATION & ELEVATION OF WATER TABLE
- 740 GROUNDWATER CONTOUR
- INDICATES PREDOMINANT FLOW DIRECTION

NOTES:

1. TOPOGRAPHY BASED ON AERIAL SURVEY BY:

   LOCKWOOD SURVEY
   36 KARLAN DRIVE
   ROCHESTER NEW YORK

2. HORIZONTAL DATUM IS BASED ON NAD83 PER SENECA ARMY DEPOT SEAD 26A MONUMENTS SURVEY CONTROL COORDINATES DATED 1994.
3. VERTICAL DATUM IS BASED ON NAD88.

PARSONS

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT

ROMULUS, NEW YORK

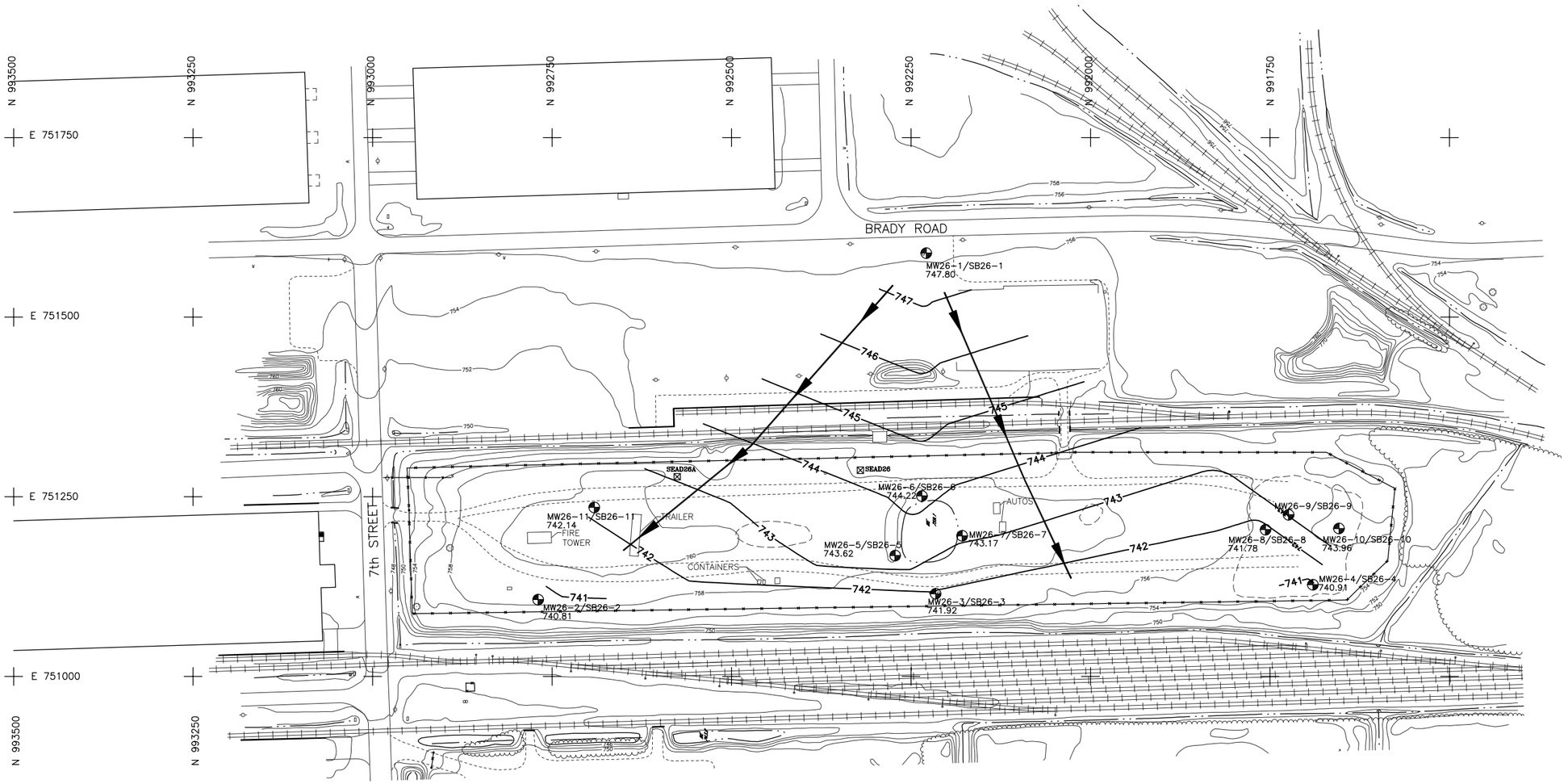
SEAD 25/26 ANNUAL REPORT

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	744538-05200

FIGURE 3

SEAD-25 GROUNDWATER CONTOURS FOR THE TILL WEATHERED SHALE SATURATED ZONE-AUG. 2006

SCALE	DATE	REV
AS SHOWN	JANUARY 2007	



LEGEND

- DRAINAGE DITCH
- FENCE
- UNPAVED ROAD
- BRUSH LINE
- RAILROAD
- GROUND SURFACE ELEVATION CONTOUR (760)
- UNDERGROUND ELECTRIC UTILITY LINE (E)
- UNDERGROUND WATER UTILITY LINE (W)
- ROAD SIGN
- OVERHEAD UTILITY POLE
- HYDRANT
- MANHOLE
- UTILITY BOX
- DECIDUOUS TREE
- COORD. GRID (250' GRID)
- POLE
- SEAD-26 — SURVEY MONUMENT
- MW26-6 744.22 — MONITORING WELL LOCATION & ELEVATION OF WATER TABLE
- 740 — GROUNDWATER CONTOUR
- INDICATES PREDOMINANT FLOW DIRECTION

NOTES:

1. TOPOGRAPHY BASED ON AERIAL SURVEY BY:

   LOCKWOOD SURVEY
   36 KARLAN DRIVE
   ROCHESTER NEW YORK

2. HORIZONTAL DATUM IS BASED ON NAD83 PER SENECA ARMY DEPOT SEAD 26A MONUMENTS SURVEY CONTROL COORDINATES DATED 1994.

3. VERTICAL DATUM IS BASED ON NAD88.

80 0 80 160
(feet)

PARSONS

CLIENT/PROJECT TITLE

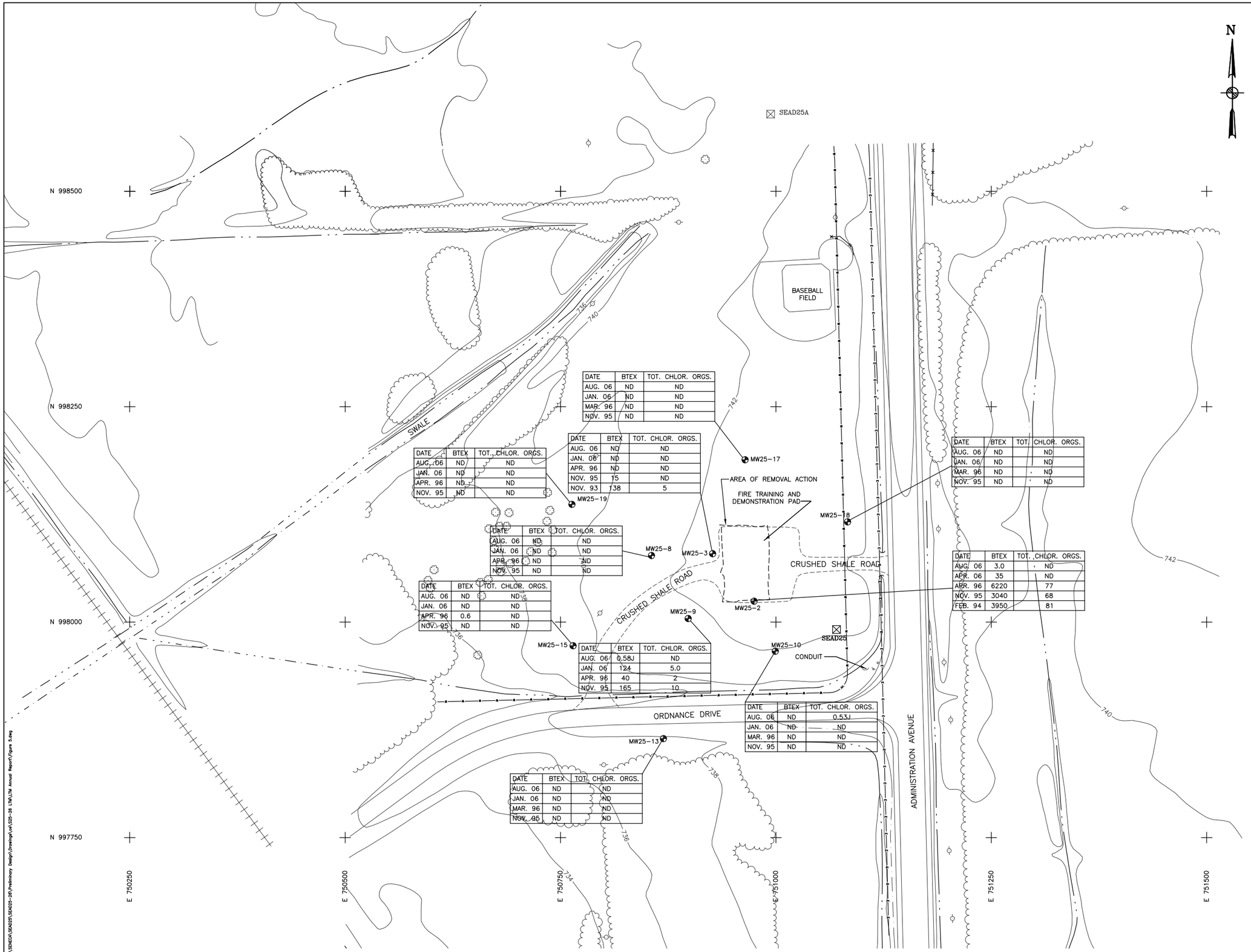
SENECA ARMY DEPOT
ROMULUS, NEW YORK
SEAD 25/26 ANNUAL REPORT

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	744538-05200

FIGURE 4
SEAD-26 GROUNDWATER CONTOURS FOR THE TILL WEATHERED SHALE SATURATED ZONE AUG. 2006

SCALE	DATE	REV
AS SHOWN	JANUARY 2007	

P:\PT\Projects\SENECA\SEAD25\SEAD25-26\Preliminary Design\Drawings\wt\525-26 LTM\LTM Annual Report\Figure 4.dwg



DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
MAR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	ND	ND
NOV. 95	15	ND
NOV. 93	138	5

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
MAR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	0.58J	ND
JAN. 06	124	5.0
APR. 96	40	2
NOV. 95	165	10

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	0.53J
JAN. 06	ND	ND
MAR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	3.0	ND
APR. 06	35	ND
APR. 96	6220	77
NOV. 95	3040	68
FEB. 94	3950	81

LEGEND

- DRAINAGE DITCH
- FENCE
- UNPAVED ROAD
- BRUSH LINE
- RAILROAD
- 760 — GROUND SURFACE ELEVATION CONTOUR
- E E E E — UNDERGROUND ELECTRIC UTILITY LINE
- W W W W — UNDERGROUND WATER UTILITY LINE
- ROAD SIGN
- OVERHEAD UTILITY POLE
- HYDRANT
- MANHOLE
- UTILITY BOX
- DECIDOUS TREE
- COORD. GRID (250' GRID)
- POLE
- SEAD-25 — SURVEY MONUMENT
- MW25-2 — MONITORING WELL DESIGNATION
- AREA OF REMOVAL ACTION COMPLETED DECEMBER 2005

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
NOV. 95	ND	ND

CONTAMINENT CONCENTRATIONS OF BTEX (BENZENE, TOLUENE, ETHYL BENZENE AND TOTAL XYLENES) AND TOTAL CHLORINATED ORGANICS (ug/L)

ND — NON-DETECT

NOTES:

1. THE TOTAL BTEX OR TOTAL CHLORINATED ORGANICS CONCENTRATION IS THE SUM OF DETECTED VALUES ONLY.
2. AT WELL LOCATIONS WHERE A DUPLICATE SAMPLE WAS COLLECTED, THE AVERAGE RESULT OF THE SAMPLE AND THE DUPLICATE IS PRESENTED.

50 0 50 100
(feet)

PARSONS

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT
ROMULUS, NEW YORK
SEAD 25/26 ANNUAL REPORT

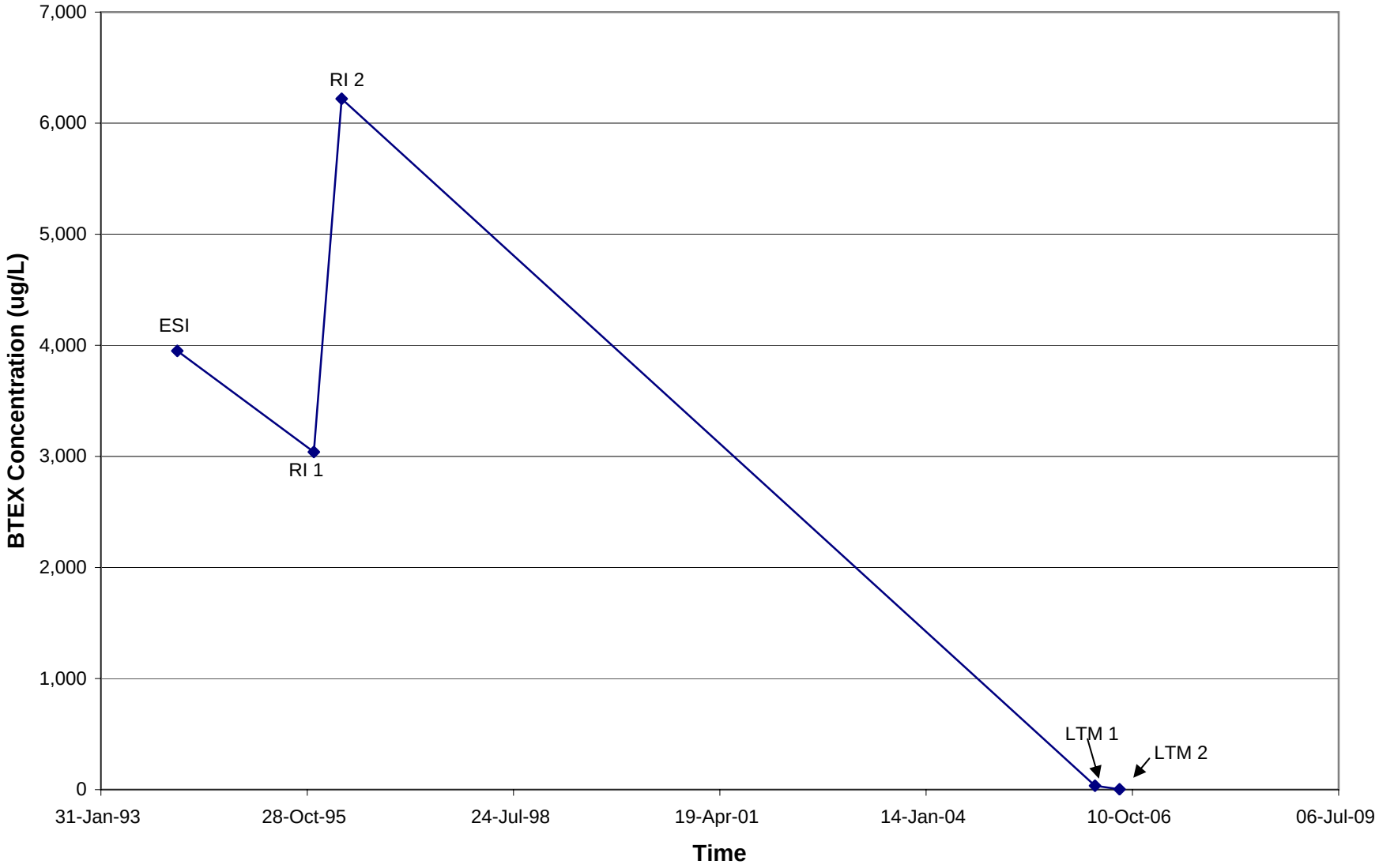
DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No. 744538-05200

FIGURE 5
VOCS DETECTED IN GROUNDWATER AT SEAD-25

SCALE AS SHOWN | DATE JANUARY 2007 | REV

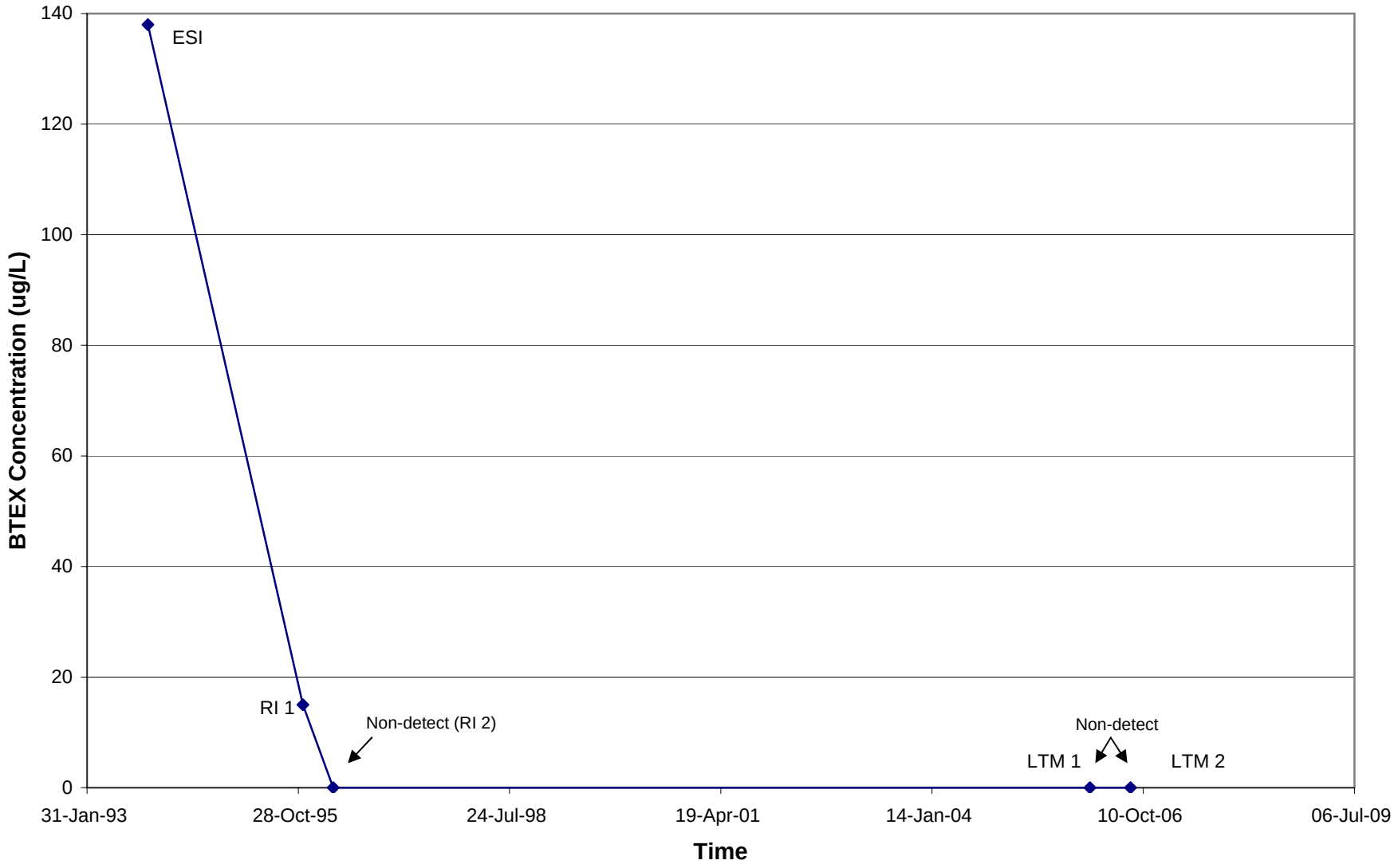
P:\VM\Projects\SENECA\SEAD25\SEAD25-26\Preliminary Design\Drawings\ar\SD25-26 LTM\LTM Annual Report\Figure 5.dwg

Table 6A
Concentrations of BTEX Over Time at MW25-2
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



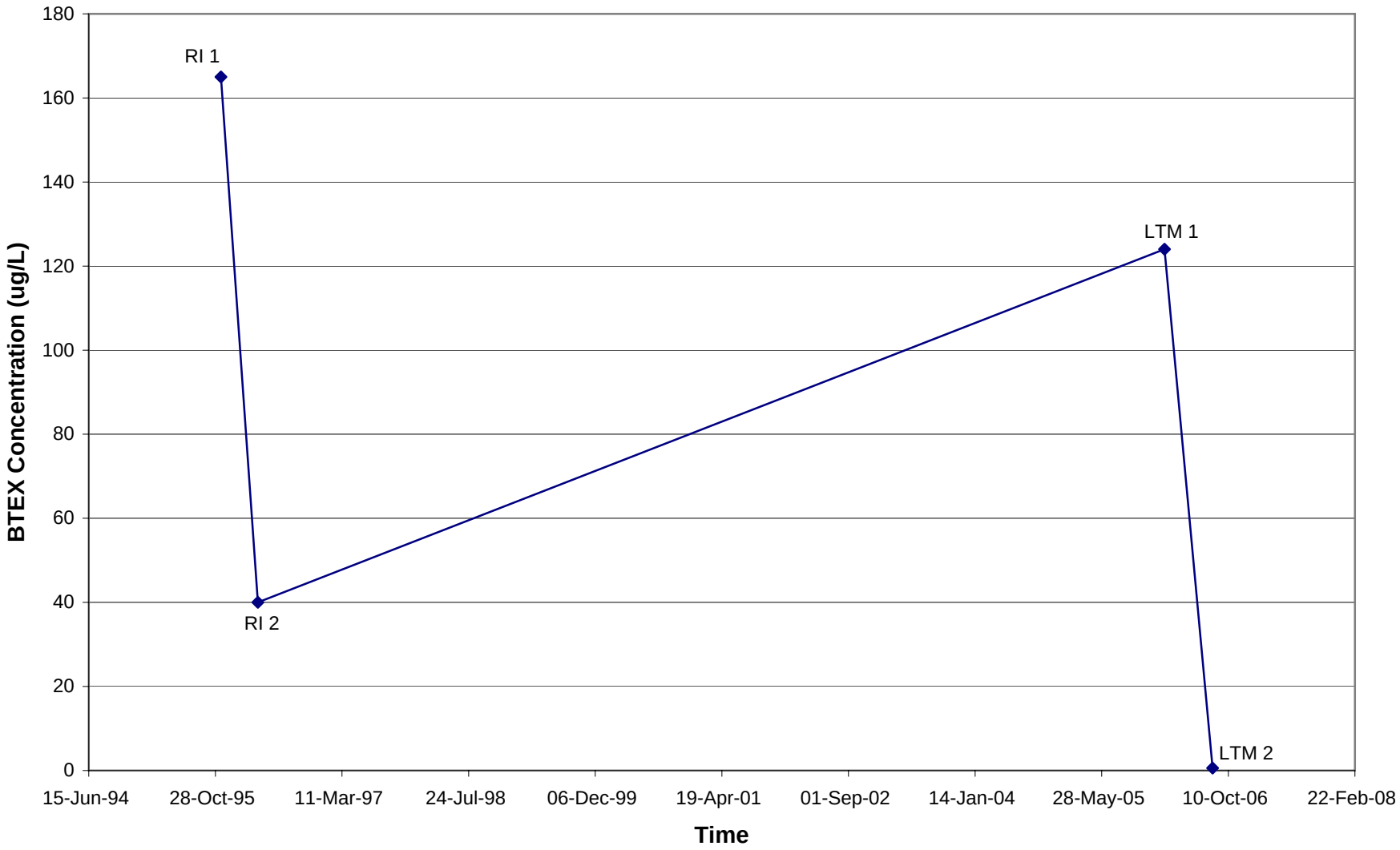
P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls-MW25-2

Table 6B
Concentrations of BTEX Over Time at MW25-3
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



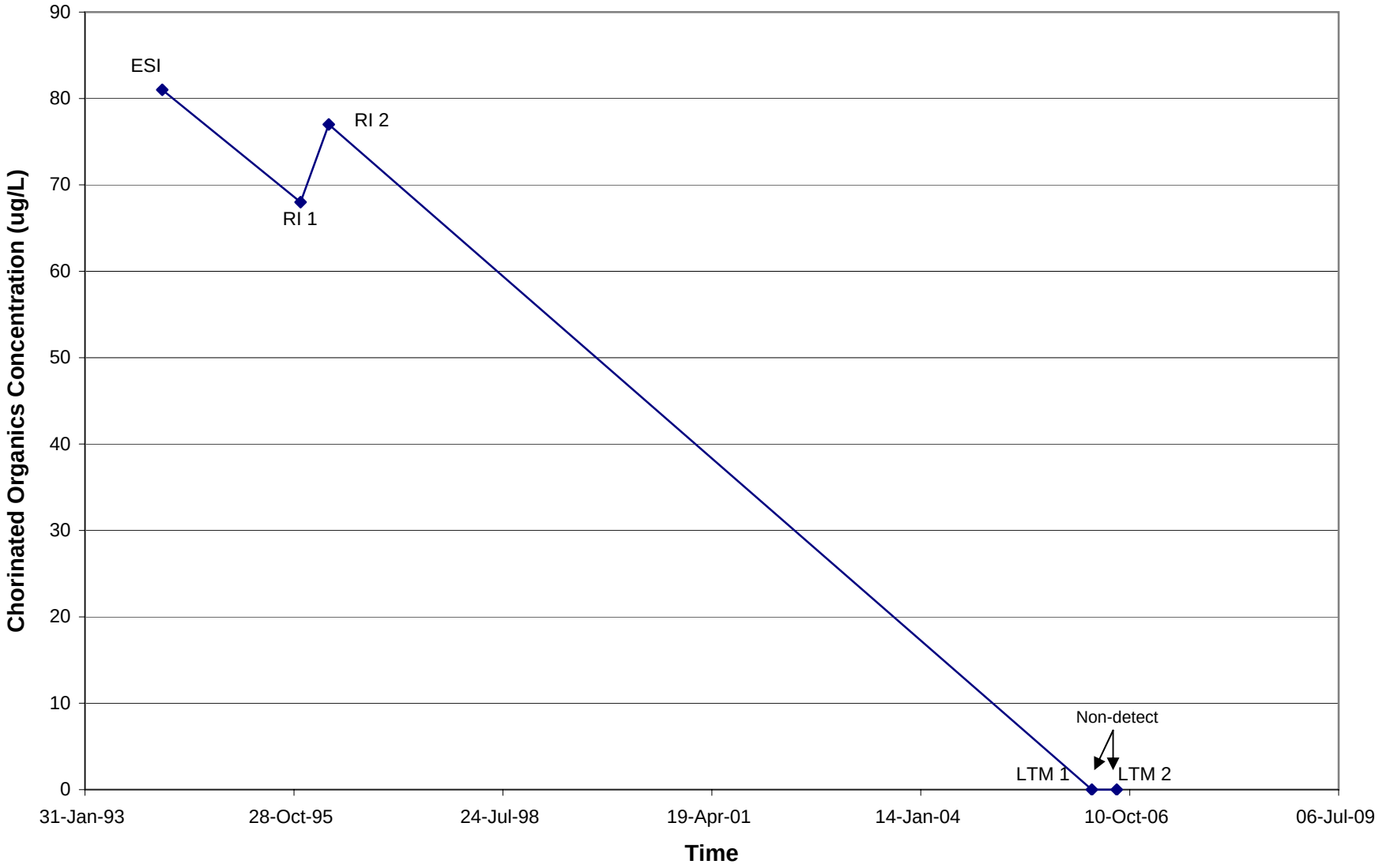
P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls - MW25-3

Table 6C
Concentrations of BTEX Over Time at MW25-9
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



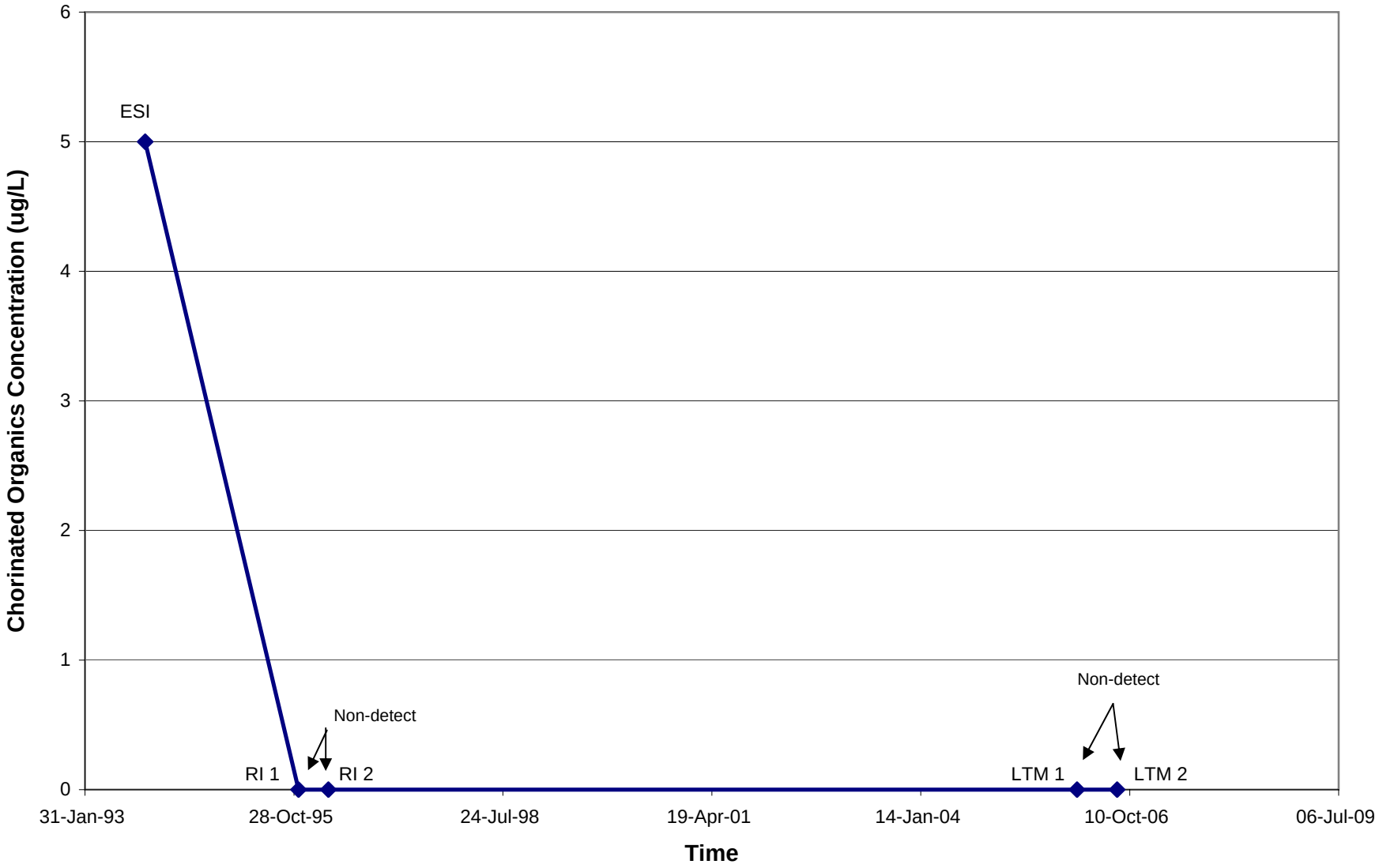
P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls - MW25-9

Table 7A
Concentrations of Chlorinated Organics Over Time at MW25-2
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



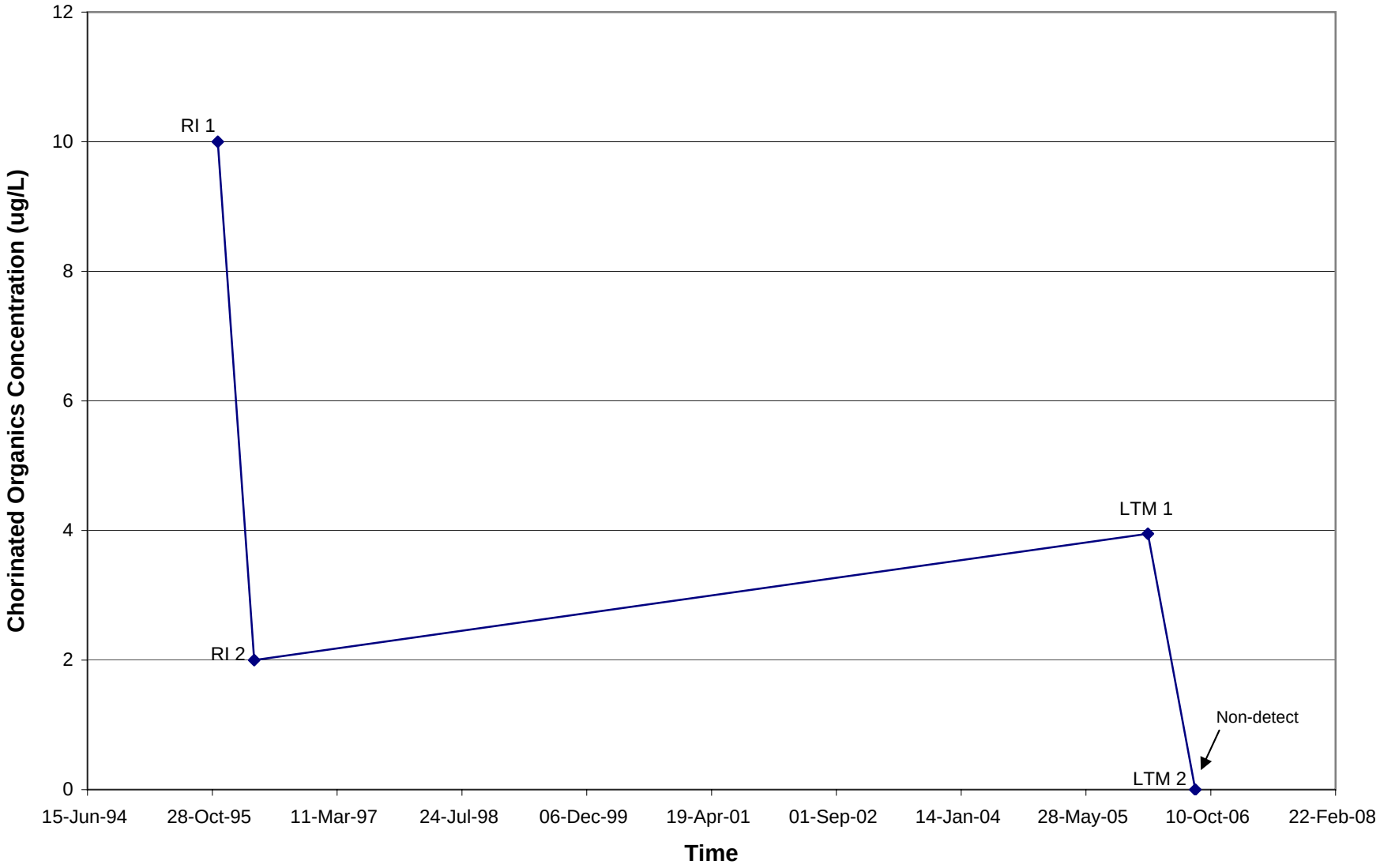
P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls - MW25-2 chl

Table 7B
Concentrations of Chlorinated Organics Over Time at MW25-3
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



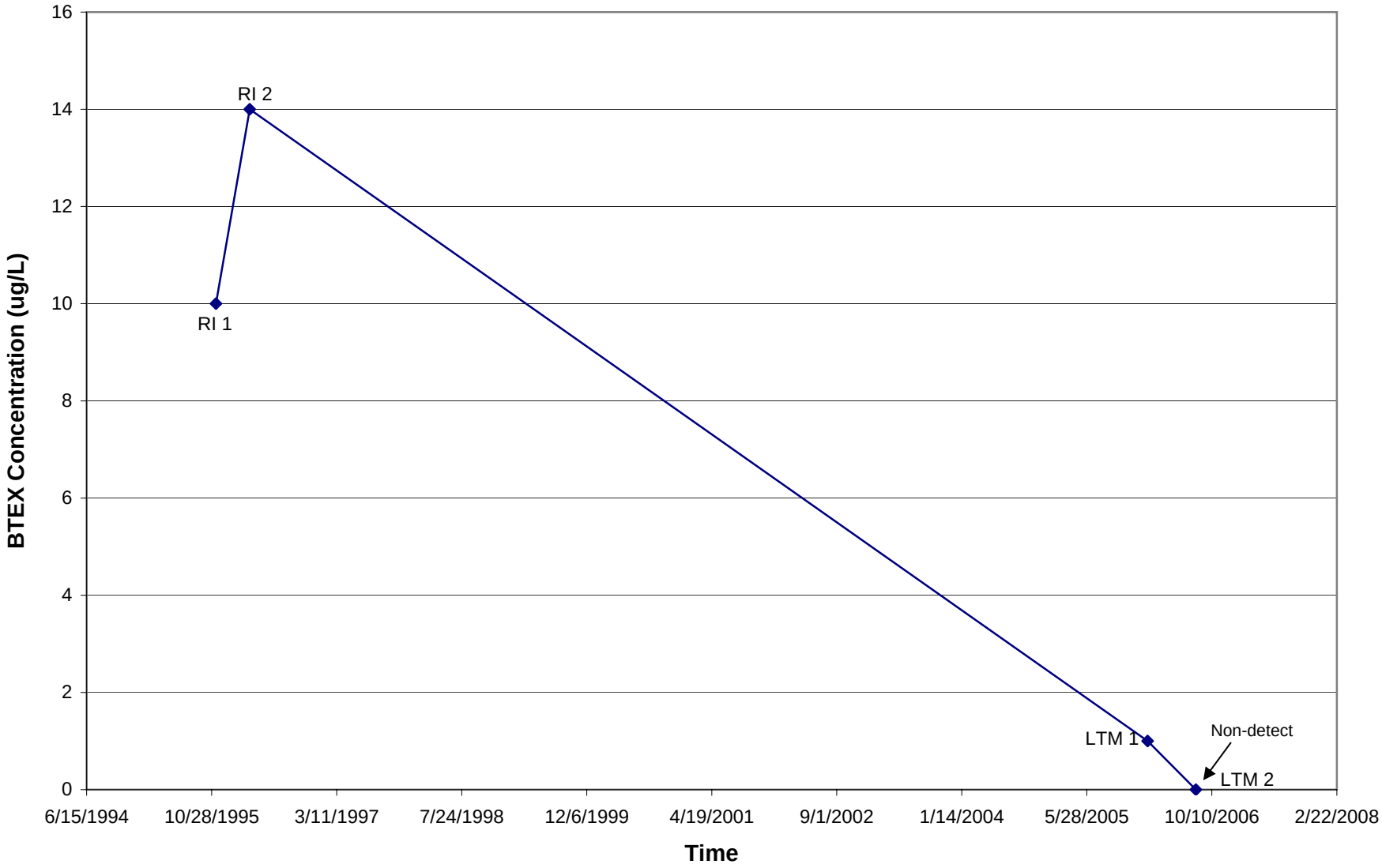
P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls - MW25-3 chl

Table 7C
Concentrations of Chlorinated Organics Over Time at MW25-9
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

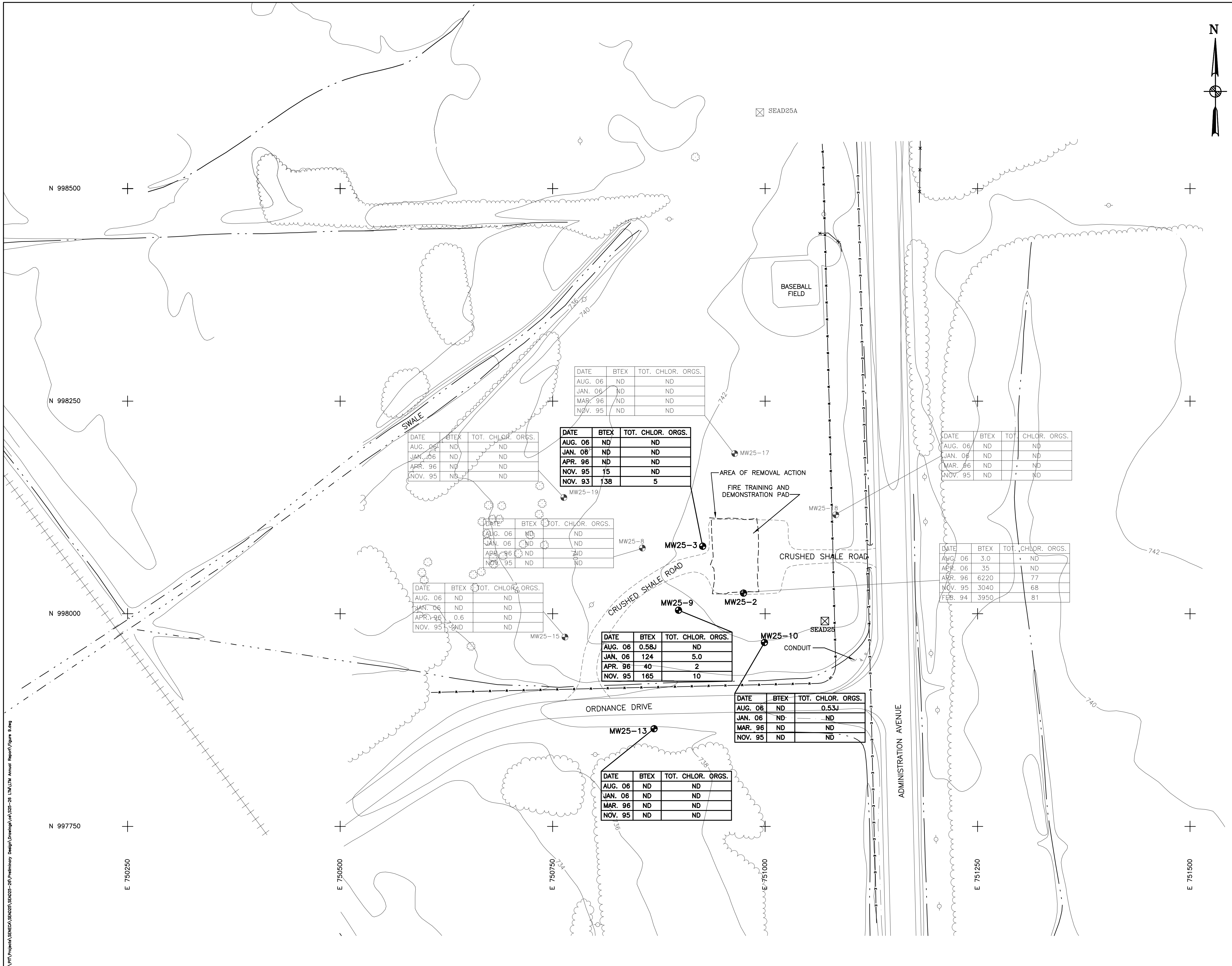


P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\TIME PLOTS.xls - MW25-9 chl

Table 8
Concentrations of BTEX Over Time at MW26-7
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity



P:\PIT\Projects\Seneca PBC I\SEAD-25-26 LTM\Annual Report\Draft\figures\Figure 8 - S26 time plot.xls-MW26-7



DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
MAR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	ND	ND
NOV. 95	ND	ND

DATE	**BTEX**	**TOT. CHLOR. ORGS.**
AUG. 06	**ND**	**ND**
JAN. 06	**ND**	**ND**
APR. 96	**ND**	**ND**
NOV. 95	**15**	**ND**
NOV. 93	**138**	**5**

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
MAR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	ND	ND
NOV. 95	ND	ND

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	3.0	ND
APR. 06	35	ND
APR. 96	6220	77
NOV. 95	3040	68
FEB. 94	3950	81

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
APR. 96	0.6	ND
NOV. 95	ND	ND

DATE	**BTEX**	**TOT. CHLOR. ORGS.**
AUG. 06	**0.58J**	**ND**
JAN. 06	**124**	**5.0**
APR. 96	**40**	**2**
NOV. 95	**165**	**10**

DATE	**BTEX**	**TOT. CHLOR. ORGS.**
AUG. 06	**ND**	**0.53J**
JAN. 06	**ND**	**ND**
MAR. 96	**ND**	**ND**
NOV. 95	**ND**	**ND**

DATE	**BTEX**	**TOT. CHLOR. ORGS.**
AUG. 06	**ND**	**ND**
JAN. 06	**ND**	**ND**
MAR. 96	**ND**	**ND**
NOV. 95	**ND**	**ND**

LEGEND

DRAINAGE DITCH
FENCE
UNPAVED ROAD
BRUSH LINE
RAILROAD
760 — GROUND SURFACE ELEVATION CONTOUR
E — UNDERGROUND ELECTRIC UTILITY LINE
W — UNDERGROUND WATER UTILITY LINE
ROAD SIGN
OVERHEAD UTILITY POLE
HYDRANT
MANHOLE
UTILITY BOX
DECIDOUS TREE
COORD. GRID (250' GRID)
POLE
SEAD-25 — SURVEY MONUMENT
MW25-2 — MONITORING WELL DESIGNATION
AREA OF REMOVAL ACTION COMPLETED DECEMBER 2005

DATE	BTEX	TOT. CHLOR. ORGS.
AUG. 06	ND	ND
JAN. 06	ND	ND
NOV. 95	ND	ND

CONTAMINENT CONCENTRATIONS OF BTEX (BENZENE, TOLUENE, ETHYL BENZENE AND TOTAL XYLENES) AND TOTAL CHLORINATED ORGANICS (ug/L)

ND — NON-DETECT

NOTES:

1. THE TOTAL BTEX OR TOTAL CHLORINATED ORGANICS CONCENTRATION IS THE SUM OF DETECTED VALUES ONLY.
2. AT WELL LOCATIONS WHERE A DUPLICATE SAMPLE WAS COLLECTED, THE AVERAGE RESULT OF THE SAMPLE AND THE DUPLICATE IS PRESENTED.
3. BOLDED TEXT INDICATES WELLS PROPOSED TO BE INCLUDED IN CONTINUED LTM. LIGHTENED WELLS ARE PROPOSED FOR REMOVAL FROM THE LTM PROGRAM SINCE COCS HAVE NOT BEEN DETECTED IN TWO CONSECUTIVE ROUNDS OF SAMPLING.

50 0 50 100
(feet)

PARSONS

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT

ROMULUS, NEW YORK
SEAD 25/26 ANNUAL REPORT

DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No. 744538-05200

FIGURE 9
OPTIMIZED LTM PROGRAM AT SEAD-25

SCALE AS SHOWN | DATE JANUARY 2007 | REV

P:\PIT\Projects\SENECA\SEAD25\SEAD25-26\Preliminary Design\Drawings\cad\S25-26 LTM\LTM Annual Report\Figure 9.dwg

TABLE 1A
SEAD-25 GROUNDWATER ELEVATION DATA
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Monitoring Well	Top of Riser Elevation (ft)	Well Depth (ft)	Round 1 - April 2006				Round 2 - August 2006				Historical Data[1]		
			Date Measured	Saturated Thickness (ft)	Depth to Groundwater (ft)	Water Level Elevation (ft)	Date Measured	Saturated Thickness (ft)	Depth to Groundwater (ft)	Water Level Elevation (ft)	Groundwater Elevation (ft)		
											Maximum	Minimum	Range
MW25-1	743.00	7.60	4/12/2006	1.80	5.80	737.20	8/7/2006	1.95	5.65	737.35	737.54	737.20	0.34
MW25-2	746.36	11.10	4/12/2006	5.85	5.25	741.11	8/7/2006	6.30	4.8	741.56	742.05	740.86	1.19
MW25-3	745.76	9.60	4/12/2006	3.95	5.65	740.11	8/7/2006	4.15	5.45	740.31	742.67	740.11	2.56
MW25-6	744.44	14.10	4/12/2006	8.60	5.5	738.94	8/7/2006	8.40	5.7	738.74	740.70	738.01	2.69
MW25-8	742.46	5.25	4/12/2006	2.45	2.8	739.66	8/7/2006	2.05	3.2	739.26	740.93	739.26	1.67
MW25-9	742.36	5.20	4/12/2006	2.35	2.85	739.51	8/7/2006	1.40	3.8	738.56	740.95	738.56	2.39
MW25-10	743.01	6.20	4/12/2006	1.95	4.25	738.76	8/7/2006	1.60	4.6	738.41	740.58	738.06	2.52
MW25-11	740.25	7.00	4/12/2006	2.55	4.45	735.80	8/7/2006	1.95	5.05	735.20	737.68	735.20	2.48
MW25-13	739.64	5.30	4/12/2006	1.40	3.9	735.74	8/7/2006	0.75	4.55	735.09	737.15	735.09	2.06
MW25-15	741.00	7.00	4/12/2006	2.95	4.05	736.95	8/7/2006	2.40	4.6	736.40	738.29	736.31	1.98
MW25-17	743.94	11.10	4/12/2006	6.90	4.2	739.74	8/7/2006	6.75	4.35	739.59	741.20	738.71	2.49
MW25-18	744.35	11.00	4/12/2006	11.00		744.35	8/7/2006	5.30	5.7	738.65	739.98	738.41	1.57
MW25-19	741.95	11.85	4/12/2006	11.85		741.95	8/7/2006	6.10	5.75	736.20	738.41	736.20	2.21

Notes:
1. Groundwater levels were recorded in April 1994, November 1995, December 1995, March 1996, January 2006, April 2006, and August 2006
2. The bedrock wells are not included as part of the LTM program and are not included in this table.

TABLE 1B
SEAD-26 GROUNDWATER ELEVATION DATA
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Monitoring Well	Top of Riser Elevation (ft)	Well Depth (ft)	Round 1 - January 2006				Round 2 - August 2006				Historical Data[1]		
			Date Measured	Saturated Thickness (ft)	Depth to Groundwater (ft)	Water Level Elevation (ft)	Date Measured	Saturated Thickness (ft)	Depth to Groundwater (ft)	Water Level Elevation (ft)	Groundwater Elevation (ft)		
											Maximum	Minimum	Range
MW26-1	753.80	8.00	1/25/2006	2.42	5.58	748.22	8/9/2006	2.00	6.00	747.80	748.47	747.45	1.02
MW26-10	753.26	13.60	1/25/2006	5.12	8.48	744.78	8/9/2006	4.30	9.3	743.96	745.06	743.96	1.10
MW26-11	756.34	16.25	1/25/2006	3.05	13.2	743.14	8/9/2006	2.05	14.2	742.14	743.14	742.04	1.10
MW26-2	756.61	16.50	1/25/2006	0.80	15.7	740.91	8/9/2006	0.70	15.8	740.81	741.81	740.18	1.63
MW26-3	754.12	16.20	1/25/2006	4.20	12	742.12	8/9/2006	4.00	12.2	741.92	742.70	741.62	1.08
MW26-4	752.61	13.60	1/25/2006	3.01	10.59	742.02	8/9/2006	1.90	11.7	740.91	742.38	740.91	1.47
MW26-5	756.72	17.00	1/25/2006	5.75	11.25	745.47	8/9/2006	3.90	13.1	743.62	745.47	743.62	1.85
MW26-6	756.67	16.80	1/25/2006	4.70	12.1	744.57	8/9/2006	4.35	12.45	744.22	744.71	743.95	0.76
MW26-7	756.67	19.95	1/25/2006	7.00	12.95	743.72	8/9/2006	6.45	13.5	743.17	743.92	742.92	1.00
MW26-8	752.43	13.20	1/25/2006	3.65	9.55	742.88	8/9/2006	2.55	10.65	741.78	742.94	741.78	1.16

Note:
1. Groundwater levels were recorded in April 1994, November 1995, December 1995, March 1996, January 2006, April 2006, and August 2006.

Table 2A
SEAD-25 Site-Specific Cleanup Goals for Groundwater
SEAD-25 and SEAD-26 Annual Report
SENECA ARMY DEPOT ACTIVITY

	Groundwater NYSDEC Class GA Standard[1] ug/L
Volatile Organic Compounds	
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
1,2-Dichloroethene (total)	5
Benzene	1
Chloroform	7
Ethyl benzene	5
Toluene	5
Trichloroethene	5
Xylene (total)	5
Semivolatile Organic Compounds	
2-Methylphenol[2]	1
2,4-Dimethylphenol[2]	1
3',3'-Dichlorobenzidine	5
4-Methylphenol[2]	1
Phenol[2]	1

1. NYSDEC AWQS for Class GA waters. From 6 NYCRR Parts 701-705. TOGS
2. For groundwater, a standard of 1 mg/L applies to the sum of total phenolic com

Table 2B
SEAD-26 Site-Specific Cleanup Goals for Groundwater
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

	Groundwater NYSDEC Class GA Standard[1] ug/L
Volatile Organic Compounds	
Benzene	1
Ethyl benzene	5
Xylene (total)	5
1,2,4-Trimethylbenzene[2]	5
1,3,5-Trimethylbenzene[2]	5
n-Propylbenzene[2]	5
p-Isopropyltoluene[2]	5

1. NYSDEC AWQS for Class GA waters. From 6 NYCRR Parts 701-705. TOGS 1.1.1, June 1998.
2. Principal organic contaminant standard applies (TOGS 1.1.1, June 1998).

Table 3
Summary of COCs Detected in Groundwater at SEAD-25 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25		SEAD-25		SEAD-25		SEAD-25	
Location ID								MW25-10		MW25-10		MW25-13		MW25-13	
Matrix								GW		GW		GW		GW	
Sample ID								25LM20005		25LM20015		25LM20006		25LM20016	
Sample Date								1/31/2006		8/9/2006		1/30/2006		8/9/2006	
QC Code								SA		SA		SA		SA	
Study ID								S25 LTM		S25 LTM		S25 LTM		S25 LTM	
Sampling Round								1		2		1		2	
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Volatile Organic Compounds															
1,1,1-Trichloroethane	UG/L	0.62	10%	5	0	2	20	1	U	0.53	J	1	U	1	U
1,1-Dichloroethane	UG/L	1	5%	5	0	1	20	1	U	1	U	1	U	1	U
Benzene	UG/L	33	25%	1	4	5	20	1	U	1	U	1	U	1	U
Chloroform	UG/L	0	0%	7	0	0	20	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	UG/L	2.8	5%	5	0	1	20	1	U	1	U	1	U	1	U
Ethyl benzene	UG/L	19	20%	5	2	4	20	1	U	1	U	1	U	1	U
Toluene	UG/L	14	5%	5	1	1	20	1	U	1	U	1	U	1	U
Total Xylenes	UG/L	62	5%	5	1	1	20	3	U	3	U	3	U	3	U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	0	0	20	1	U	1	U	1	U	1	U
Trichloroethene	UG/L	0.53	5%	5	0	1	20	1	U	1	U	1	U	1	U
Semivolatile Organic Compounds															
2,4-Dimethylphenol	UG/L	0	0%	1	0	0	18	10	U	10	U	9	U		
2-Methylphenol	UG/L	0	0%	1	0	0	18	10	U	10	U	9	U		
3,3'-Dichlorobenzidine	UG/L	0	0%	5	0	0	18	19	U	19	U	19	U		
4-Methylphenol	UG/L	0	0%	1	0	0	18	10	U	10	U	9	U		
Phenol	UG/L	0	0%	1	0	0	18	10	U	10	U	9	U		

Facility								SEAD-25		SEAD-25		SEAD-25		SEAD-25	
Location ID								MW25-15		MW25-15					
Matrix								GW		GW					
Sample ID								25LM20007		25LM20017					
Sample Date								1/31/2006		8/9/2006					
QC Code								SA		SA					
Study ID								S25 LTM		S25 LTM					
Sampling Round								1		2					
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value	(Q)	Value	(Q)				
Volatile Organic Compounds															
1,1,1-Trichloroethane	UG/L	0.62	10%	5	0	2	20	1	U	1	U				
1,1-Dichloroethane	UG/L	1	5%	5	0	1	20	1	U	1	U				
Benzene	UG/L	33	25%	1	4	5	20	1	U	1	U				
Chloroform	UG/L	0	0%	7	0	0	20	1	U	1	U				
Cis-1,2-Dichloroethene	UG/L	2.8	5%	5	0	1	20	1	U	1	U				
Ethyl benzene	UG/L	19	20%	5	2	4	20	1	U	1	U				
Toluene	UG/L	14	5%	5	1	1	20	1	U	1	U				
Total Xylenes	UG/L	62	5%	5	1	1	20	3	U	3	U				
Trans-1,2-Dichloroethene	UG/L	0	0%	5	0	0	20	1	U	1	U				
Trichloroethene	UG/L	0.53	5%	5	0	1	20	1	U	1	U				
Semivolatile Organic Compounds															
2,4-Dimethylphenol	UG/L	0	0%	1	0	0	18	9	U						
2-Methylphenol	UG/L	0	0%	1	0	0	18	9	U						
3,3'-Dichlorobenzidine	UG/L	0	0%	5	0	0	18	19	U						
4-Methylphenol	UG/L	0	0%	1	0	0	18	9	U						
Phenol	UG/L	0	0%	1	0	0	18	9	U						

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2A are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).
3. Shading indicates concentration above cleanup goal.

U = compound was not detected
J = the reported value is an estimated concentration

Table 3
Summary of COCs Detected in Groundwater at SEAD-25 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25		SEAD-25		SEAD-25		SEAD-25	
Location ID								MW25-15		MW25-17		MW25-17		MW25-18	
Matrix								GW		GW		GW		GW	
Sample ID								25LM20017		25LM20008		25LM20018		25LM20009	
Sample Date								8/14/2006		1/30/2006		8/11/2006		1/30/2006	
QC Code								SA		SA		SA		SA	
Study ID								S25 LTM		S25 LTM		S25 LTM		S25 LTM	
Sampling Round								2		1		2		1	
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Volatile Organic Compounds															
1,1,1-Trichloroethane	UG/L	0.62	10%	5	0	2	20	1	U	1	U	1	U	1	U
1,1-Dichloroethane	UG/L	1	5%	5	0	1	20	1	U	1	U	1	U	1	U
Benzene	UG/L	33	25%	1	4	5	20	1	U	1	U	1	U	1	U
Chloroform	UG/L	0	0%	7	0	0	20	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	UG/L	2.8	5%	5	0	1	20	1	U	1	U	1	U	1	U
Ethyl benzene	UG/L	19	20%	5	2	4	20	1	U	1	U	1	U	1	U
Toluene	UG/L	14	5%	5	1	1	20	1	U	1	U	1	U	1	U
Total Xylenes	UG/L	62	5%	5	1	1	20	3	U	3	U	3	U	3	U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	0	0	20	1	U	1	U	1	U	1	U
Trichloroethene	UG/L	0.53	5%	5	0	1	20	1	U	1	U	1	U	1	U
Semivolatile Organic Compounds															
2,4-Dimethylphenol	UG/L	0	0%	1	0	0	18			9	U	10	U	10	U
2-Methylphenol	UG/L	0	0%	1	0	0	18			9	U	10	U	10	U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	0	0	18			19	U	20	U	19	U
4-Methylphenol	UG/L	0	0%	1	0	0	18			9	U	10	U	10	U
Phenol	UG/L	0	0%	1	0	0	18			9	U	10	U	10	U

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2A are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).
3. Shading indicates concentration above cleanup goal.

U = compound was not detected
J = the reported value is an estimated concentration

Table 3
Summary of COCs Detected in Groundwater at SEAD-25 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-2	MW25-2	MW25-2	MW25-3	MW25-3
Matrix								GW	GW	GW	GW	GW
Sample ID								25LM20000	25LM20014	25LM20010	25LM20001	25LM20002
Sample Date								4/12/2006	8/9/2006	8/9/2006	1/31/2006	1/31/2006
QC Code								SA	DU	SA	DU	SA
Study ID								S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM
Sampling Round								1	2	2	1	1
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds												
1,1,1-Trichloroethane	UG/L	0.62	10%	5	0	2	20	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	UG/L	1	5%	5	0	1	20	5 U	1 U	1 U	1 U	1 U
Benzene	UG/L	33	25%	1	4	5	20	**16**	**2.2**	**2**	1 U	1 U
Chloroform	UG/L	0	0%	7	0	0	20	5 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	2.8	5%	5	0	1	20	5 U	1 U	1 U	1 U	1 U
Ethyl benzene	UG/L	19	20%	5	2	4	20	**19**	0.98 J	0.77 J	1 U	1 U
Toluene	UG/L	14	5%	5	1	1	20	5 U	1 U	1 U	1 U	1 U
Total Xylenes	UG/L	62	5%	5	1	1	20	15 U	3 U	3 U	3 U	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	0	0	20	5 U	1 U	1 U	1 U	1 U
Trichloroethene	UG/L	0.53	5%	5	0	1	20	5 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds												
2,4-Dimethylphenol	UG/L	0	0%	1	0	0	18	10 U	10 U	10 U	9 U	10 U
2-Methylphenol	UG/L	0	0%	1	0	0	18	10 U	10 U	10 U	9 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	0	0	18	20 U	20 U	19 U	19 U	19 U
4-Methylphenol	UG/L	0	0%	1	0	0	18	10 U	10 U	10 U	9 U	10 U
Phenol	UG/L	0	0%	1	0	0	18	10 U	10 U	10 U	9 U	10 U

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2A are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).
3. Shading indicates concentration above cleanup goal.

U = compound was not detected
J = the reported value is an estimated concentration

Table 3
Summary of COCs Detected in Groundwater at SEAD-25 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25		SEAD-25		SEAD-25		SEAD-25	
Location ID								MW25-3		MW25-8		MW25-8		MW25-9	
Matrix								GW		GW		GW		GW	
Sample ID								25LM20011		25LM20003		25LM20012		25LM20004	25LM20013
Sample Date								8/11/2006		1/31/2006		8/11/2006		1/31/2006	8/9/2006
QC Code								SA		SA		SA		SA	SA
Study ID								S25 LTM		S25 LTM		S25 LTM		S25 LTM	S25 LTM
Sampling Round								2		1		2		1	2
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value	(Q)	Value	(Q)	Value	(Q)	Value (Q)	Value (Q)
Volatile Organic Compounds															
1,1,1-Trichloroethane	UG/L	0.62	10%	5	0	2	20	1	U	1	U	1	U	0.62 J	1 U
1,1-Dichloroethane	UG/L	1	5%	5	0	1	20	1	U	1	U	1	U	1	1 U
Benzene	UG/L	33	25%	1	4	5	20	1	U	1	U	1	U	**33**	0.58 J
Chloroform	UG/L	0	0%	7	0	0	20	1	U	1	U	1	U	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	2.8	5%	5	0	1	20	1	U	1	U	1	U	2.8	1 U
Ethyl benzene	UG/L	19	20%	5	2	4	20	1	U	1	U	1	U	**15**	1 U
Toluene	UG/L	14	5%	5	1	1	20	1	U	1	U	1	U	**14**	1 U
Total Xylenes	UG/L	62	5%	5	1	1	20	3	U	3	U	3	U	**62**	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	0	0	20	1	U	1	U	1	U	1 U	1 U
Trichloroethene	UG/L	0.53	5%	5	0	1	20	1	U	1	U	1	U	0.53 J	1 U
Semivolatile Organic Compounds															
2,4-Dimethylphenol	UG/L	0	0%	1	0	0	18	10	U	9	U	10	U	10 U	10 U
2-Methylphenol	UG/L	0	0%	1	0	0	18	10	U	9	U	10	U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	0	0	18	19	U	19	U	20	U	19 U	19 U
4-Methylphenol	UG/L	0	0%	1	0	0	18	10	U	9	U	10	U	10 U	10 U
Phenol	UG/L	0	0%	1	0	0	18	10	U	9	U	10	U	10 U	10 U

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2A are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).
3. Shading indicates concentration above cleanup goal.

U = compound was not detected
J = the reported value is an estimated concentration

Table 4A
Summary of SEAD-25 Geochemical Parameters - Round 1
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID	MW25-10	MW25-13	MW25-15	MW25-17	MW25-18	MW25-3	MW25-3	MW25-8	MW25-9	MW25-2
Matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample ID	25LM20005	25LM20006	25LM20007	25LM20008	25LM20009	25LM20001	25LM20002	25LM20003	25LM20004	25LM20000
Sample Date	1/31/2006	1/30/2006	1/31/2006	1/30/2006	1/30/2006	1/31/2006	1/31/2006	1/31/2006	1/31/2006	4/12/2006
QC Code	SA	SA	SA	SA	SA	DU	SA	SA	SA	SA
Study ID	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM
Sampling Round	1	1	1	1	1	1	1	1	1	1

Parameter	**Units**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Iron	UG/L	62.8	320	56	46.1	462	86	76.4	329	56.9	2510
Sodium	UG/L	8870	40600	3080	4240	22300	12300	12000	5110	14500	4730
Chloride	MG/L	0.73	2.5	0.66	0.7	18.6	2.1	2.3	1.4	1.1	6.5
Ethane	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethene	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methane	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	29	80 J
Nitrate	MG/L-N	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite	MG/L-N	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Sulfate	MG/L	18.1	15.6	14.4	17.2	24.8	39.9	39.8	19.5	21.8	39.6
Conductivity	S/m	0.464	0.492	0.36	0.462	0.494	0.49	0.49	0.494	0.535	0.551
Dissolved Oxygen	MG/L	4.22	0.94	2.93	8.46	3.99	1.19	1.19	0.84	5.33	6.29
ORP	mV	107	38	82	68	63	79	79	-70	91	-11
Sulfide	MG/L	0.1	0.02	0	0.01	0.12	0.04	0.04	0.04	0.02	0.01
Temperature	deg C	5	3.8	5.3	6.3	7.2	4.3	4.3	4.1	4.8	10.5
Turbidity	NTU	1.09	21	1.1	3.4	31.8	2.2	2.2	2.4	2.49	16.1
pH	Std units	6.97	7.27	7.2	7.69	7.62	7.1	7.1	7.3	7.15	7.17

Notes:
U = compound was not detected
J = the reported value is an estimated concentration

Table 4B
Summary of SEAD-25 Geochemical Parameters - Round 2
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID	MW25-10	MW25-13	MW25-15	MW25-17	MW25-18	MW25-2	MW25-2	MW25-3	MW25-8	MW25-9
Matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Sample ID	25LM20015	25LM20016	25LM20017	25LM20018	25LM20019	25LM20010	25LM20014	25LM20011	25LM20012	25LM20013
Sample Date	8/9/2006	8/9/2006	8/14/2006	8/11/2006	8/14/2006	8/9/2006	8/9/2006	8/11/2006	8/11/2006	8/9/2006
QC Code	SA	SA	SA	SA	SA	SA	DU	SA	SA	SA
Study ID	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM	S25 LTM
Sampling Round	2	2	2	2	2	2	2	2	2	2

Parameter	**Units**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Iron	UG/L	358		850	8.8 U	357	606	727	3820	667	12 U
Sodium	UG/L	6530 J		6630 J	5170 J	41900 J	5690 J	5510 J	11300 J	7060 J	16400 J
Chloride	MG/L	0.71 J		1.4 J	1.4 J	55.6	2.2 J	2.2 J	1.5 J	0.73 J	0.99 J
Nitrate	MG/L-N	0.05 U		0.05 U	0.11	0.32	0.05 U	0.05 U	0.05 U	0.13	0.1
Nitrite	MG/L-N	0.05 U		0.087	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Sulfate	MG/L	18.4		17.9	16.3	30.1	33.2	31	44.9	28.2	25.3
Ethane	UG/L	2 U		2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
Ethene	UG/L	2 U		2 U	2 U	2 U	10 U	10 U	2 U	2 U	2 U
Methane	UG/L	2 U		2 U	2 U	2 U	36	35	2 U	2 U	2 U
Conductivity	mS/cm	0.701	0.699	0.651	0.593	0.858	0.562	0.562	0.686	0.72	0.718
Dissolved Oxygen	MG/L	4.23	4.1	1.99	5.31	6.21	0.3	0.3	3.6	2.92	5.22
ORP	mV	138.8	-22.2	222.1	157	46	-82	-82	77.9	33.4	62.5
Sulfide	MG/L	0.28		0.8	0	0.02	0.15	0.15	0.03	0.09	0.45
Temperature	deg C	21.56	23.42	18.76	18.27	24.41	26.55	26.55	21.54	25.01	23.11
Turbidity	NTU	195	100	27.4	1.7	6.22	2.3	2.3	1.2	8.7	3.38
pH	Std units	6.56	6.98	5.8	6.72	7.32	6.93	6.93	7.02	6.97	7.15

Notes:
U = compound was not detected
J = the reported value is an estimated concentration
Limited water volume was available from well MW25-13 due to low water levels, and the sample was not analyzed for some geochemical parameters.

Table 5
Summary of COCs Detected in Groundwater at SEAD-26 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-1	MW26-1	MW26-3	MW26-3
Matrix								GW	GW	GW	GW
Sample ID								26LM20000	26LM20005	26LM20002	26LM20007
Sample Date								1/30/2006	8/9/2006	1/24/2006	8/8/2006
QC Code								SA	SA	SA	SA
Study ID								S26 LTM	S26 LTM	S26 LTM	S26 LTM
Sampling Round								1	2	1	2
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Analyses**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds											
1,2,4-Trimethylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
Benzene	UG/L	0.46	13%	1	0	1	8	1 U	1 U	1 U	1 U
Ethyl benzene	UG/L	0.55	13%	5	0	1	8	1 U	1 U	1 U	1 U
Propylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
Total Xylenes	UG/L	0	0%	5	0	0	8	3 U	3 U	3 U	3 U
p-Isopropyltoluene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2B are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).

J = the reported value is an estimated concentration
U = compound was not detected

Table 5
Summary of COCs Detected in Groundwater at SEAD-26 - LTM 2006
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-4	MW26-4	MW26-7	MW26-7
Matrix								GW	GW	GW	GW
Sample ID								26LM20003	26LM20008	26LM20004	26LM20009
Sample Date								1/25/2006	8/8/2006	1/26/2006	8/7/2006
QC Code								SA	SA	SA	SA
Study ID								S26 LTM	S26 LTM	S26 LTM	S26 LTM
Sampling Round								1	2	1	2
Parameter[1]	**Units**	**Maximum Value**	**Frequency of Detection**	**Cleanup Goal[2]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Analyses**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds											
1,2,4-Trimethylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
Benzene	UG/L	0.46	13%	1	0	1	8	1 U	1 U	0.46 J	1 U
Ethyl benzene	UG/L	0.55	13%	5	0	1	8	1 U	1 U	0.55 J	1 U
Propylbenzene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U
Total Xylenes	UG/L	0	0%	5	0	0	8	3 U	3 U	3 U	3 U
p-Isopropyltoluene	UG/L	0	0%	5	0	0	8	1 U	1 U	1 U	1 U

Notes:
1. Only parameters with site-specific cleanup goals listed in Table 2B are included.
2. The cleanup goal values are NYSDEC Class GA Groundwater Standards (TOGS 1.1.1, June 1998).

J = the reported value is an estimated concentration
U = compound was not detected

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-1	MW25-1	MW25-1	MW25-1	MW25-10	MW25-10
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-4-1	MW25-1-1	MW25-1	25001	MW25-10	25012
Sample Date									2/6/1994	2/6/1994	11/22/1995	4/10/1996	11/21/1995	3/31/1996
QC Code									DU	SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	RI	RI	RI
Sampling Round											1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20						
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U	10 U	10 U		10 UJ	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17				0.5 UJ		0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37				0.5 UJ		0.5 UJ
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				0.5 UJ		0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37				0.5 UJ		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37				0.5 UJ		0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37				0.5 UJ		0.5 UJ
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U	10 U	10 U		10 UJ	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				0.5 UJ		0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37				0.5 UJ		0.5 UJ
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37				0.5 UJ		0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	17				0.5 UJ		0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
Acetone	UG/L	0	0%			0	0	55	10 U	10 U	10 U	7 UJ	10 UJ	5 UR
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37				0.5 UJ		0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Cyclohexane	UG/L	8.6	10%			0	2	20						
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37				0.5 UJ		0.5 UJ
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17				0.5 UJ		0.5 UJ
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37				0.5 UJ		0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	20						
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23	ND	ND				
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 U	10 U	10 U		10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20						
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 U	10 U	10 U	5 UJ	10 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	10 U	10 U	5 UJ	10 UJ	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Naphthalene	UG/L	0	0%			0	0	17				0.5 UJ		0.5 UJ
Propylbenzene	UG/L	0	0%	5	GA	0	0	27				0.5 UJ		0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-1	MW25-1	MW25-1	MW25-1	MW25-10	MW25-10
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-4-1	MW25-1-1	MW25-1	25001	MW25-10	25012
Sample Date									2/6/1994	2/6/1994	11/22/1995	4/10/1996	11/21/1995	3/31/1996
QC Code									DU	SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	RI	RI	RI
Sampling Round											1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37				0.5 UJ		0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37				0.5 UJ		0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	10 U	10 U	0.5 UJ	10 UJ	0.5 UJ
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27				0.5 UJ		0.5 UJ
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		0.5 UJ
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18						
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	10 U	10 U	10 U	11 UJ	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U	11 UJ	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U	11 UJ	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U	11 UJ	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4	10 U	10 U				
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	10 U	10 U	10 U	11 UJ	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	10 U	10 U	10 U	11 UJ	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Acetophenone	UG/L	0	0%			0	0	18						
Anthracene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18						
Benzaldehyde	UG/L	0	0%			0	0	18						
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58			10 U	10 U	11 UJ	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	10 U	10 U	10 UJ	11 UJ	10 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Caprolactam	UG/L	0	0%			0	0	18						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-1	MW25-1	MW25-1	MW25-1	MW25-10	MW25-10
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-4-1	MW25-1-1	MW25-1	25001	MW25-10	25012
Sample Date									2/6/1994	2/6/1994	11/22/1995	4/10/1996	11/21/1995	3/31/1996
QC Code									DU	SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	RI	RI	RI
Sampling Round											1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 UJ	11 UJ	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	25 U	26 U	25 U	27 UJ	26 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 UJ	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.4 U	2.2 U	2 U	2.1 U	2 UJ	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1.2 U	1.1 U	1 U	1 U	1 UJ	1.1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Endosulfan I	UG/L	0	0%			0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Endosulfan II	UG/L	0	0%			0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.12 U	0.11 U	0.1 U	0.1 U	0.1 UJ	0.11 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 U	0.053 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.06 U	0.056 U	0.051 U	0.052 U	0.05 UJ	0.053 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.6 U	0.56 U	0.51 U	0.52 U	0.5 UJ	0.53 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	6 U	5.6 U	5.1 U	5.2 U	5 UJ	5.3 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4	0.11 U	0.12 U				
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4	0.11 U	0.12 U				
2,4-D	UG/L	0	0%	50	GA	0	0	4	1.1 U	1.2 U				
2,4-DB	UG/L	0	0%			0	0	4	1.1 U	1.2 U				

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-1	MW25-1	MW25-1	MW25-1	MW25-10	MW25-10
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-4-1	MW25-1-1	MW25-1	25001	MW25-10	25012
Sample Date									2/6/1994	2/6/1994	11/22/1995	4/10/1996	11/21/1995	3/31/1996
QC Code									DU	SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	RI	RI	RI
Sampling Round											1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4	2.6 U	2.6 U				
Dicamba	UG/L	0	0%	0.44	GA	0	0	4	0.11 U	0.12 U				
Dichloroprop	UG/L	0	0%			0	0	4	1.1 U	1.2 U				
Dinoseb	UG/L	0	0%	1	GA	0	0	4	0.55 U	0.56 U				
MCPA	UG/L	0	0%	0.44	GA	0	0	4	110 U	120 U				
MCPP	UG/L	0	0%			0	0	4	110 U	120 U				
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	**1870** J	**894** J	18	34.5 U	**99.2**	**176** J
Antimony	UG/L	36.3	11%	3	GA	3	5	44	**36.3** J	**24.9** J	2.2 U	1.4	2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	1.4 U	1.4 U	2.1 U	4 U	2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	121 J	115 J	77.1	71.2	28.9	26.9
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.4 U	0.4 U	0.27 U	0.1 U	0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	2.1 U	2.1 U	0.3 U	0.3 U	0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44	145000	142000	128000	122000	90700	88800
Chromium	UG/L	5.5	45%	50	GA	0	20	44	2.6 U	2.8 J	0.68	0.7 U	0.62	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	4.4 U	4.4 U	0.99 U	0.9 U	1 U	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44	3.1 U	3.1 U	2	1 U	0.88	0.94 U
Cyanide	UG/L	0	0%			0	0	44	5 U	5 U	5 U	5 U	5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	**3200** J	**1300** J	27.3	21.7 U	120	280
Lead	UG/L	445	48%	15	MCL	1	21	44	2.7 J	3	3.4	1.9 U	1.5 U	1.1 U
Magnesium	UG/L	50100	98%			0	43	44	26900	26100	23100	22800	18400	18600
Manganese	UG/L	32100	100%	300	GA	15	44	44	241	213	31.2	21.8	134	7.2
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.05 J	0.05 J	0.02 U	0.2 U	0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	6.8 J	4.4 J	0.99 U	1.6 U	1.1	1.7 U
Potassium	UG/L	9950	95%			0	42	44	1010 J	906 U	1030	861 J	1490 J	1690
Selenium	UG/L	2030	7%	10	GA	1	3	44	0.7 U	0.73 J	3.7 U	3.4 U	3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44	4.2 U	4.2 U	0.8 U	1.3 U	0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	**54100**	**52900**	**64700** J	**53100**	7780 J	8990
Thallium	UG/L	12000	7%	2	MCL	3	3	44	1.2 U	1.2 U	3 U	4.7 U	3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44	3.7 U	3.7 U	1.1 U	1.1 U	1.1	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	20.2	12.4 J	6.3	1.7	1.7	2.6
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20						
Ethane	UG/L	0	0%			0	0	19						
Ethene	UG/L	0	0%			0	0	19						
Methane	UG/L	80	21%			0	4	19						
NITRATE	MG/L-N	0.32	21%			0	4	19						
NITRITE	MG/L-N	0.087	5%			0	1	19						
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4	0.17	0.16				
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19						

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-10	MW25-10	MW25-11	MW25-11	MW25-12D	MW25-12D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20005	25LM20015	MW25-11	25010	MW25-12D	25014
Sample Date									1/31/2006	8/9/2006	11/17/1995	4/12/1996	11/18/1995	4/2/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	1 U	0.53 J	10 U	0.5 U	10 U	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20	1 U	1 U				
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	1 U	1 U	10 U		10 U	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17				0.5 U		0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 U		0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27			10 U		10 U	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 U		0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	17				0.5 U		0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
Acetone	UG/L	0	0%			0	0	55	5 U	5 U	10 UJ	5 U	10 UJ	5 UR
Benzene	UG/L	1000	19%	1	GA	11	12	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Bromoform	UG/L	6	2%	80	MCL	0	1	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	64	1 U	1 UJ	10 U	0.5 U	10 U	0.5 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37	1 U	1 U		0.5 U		0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Cyclohexane	UG/L	8.6	10%			0	2	20	1 U	1 U				
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37	1 UJ	1 U		0.5 U		0.5 UJ
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17				0.5 U		0.5 UJ
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37	1 U	1 U		0.5 U		0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	20	1 U	1 U				
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23	1 U	1 U				
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	5 U	5 U	10 UJ		10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20	1 U	1 U				
Methyl ethyl ketone	UG/L	130	2%			0	1	64	5 U	5 UJ	10 UJ	5 U	10 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	5 U	5 U	10 U	5 U	10 U	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 UJ	10 U	0.5 U	10 U	0.5 UJ
Naphthalene	UG/L	0	0%			0	0	17				0.5 U		0.5 UJ
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 U		0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Toluene	UG/L	1400	11%	5	GA	6	7	64	1 U	1 U	10 U	0.5 U	10 U	0.6 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-10	MW25-10	MW25-11	MW25-11	MW25-12D	MW25-12D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20005	25LM20015	MW25-11	25010	MW25-12D	25014
Sample Date									1/31/2006	8/9/2006	11/17/1995	4/12/1996	11/18/1995	4/2/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	3 U	3 U	10 U	0.5 U	10 U	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 U		0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37	1 UJ	1 U		0.5 U		0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	1 U	1 U	10 U	0.5 U	10 U	0.5 UJ
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 U		0.5 UJ
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 U		0.5 UJ
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18	10 U	10 U				
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44			10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 U	10 U	11 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 U	10 U	11 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 U	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	26 U	25 U	26 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	48 U	48 U	26 U	25 U	26 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	10 U	10 U	10 U	11 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	10 U	10 U	10 U	11 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 U	25 U	26 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	19 U	19 U	10 UJ	10 U	11 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 U	25 U	26 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	48 U	48 U	26 U	25 U	26 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	10 U	10 U	10 U	11 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 U	25 U	26 U	25 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	48 U	48 U	26 U	25 U	26 U	25 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	1 J	10 U	10 U	10 U	11 U	10 U
Acetophenone	UG/L	0	0%			0	0	18	10 U	10 U				
Anthracene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18	10 U	10 U				
Benzaldehyde	UG/L	0	0%			0	0	18	48 U	48 U				
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	10 U	10 U	10 U	11 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	10 U	10 U	10 U	11 U	10 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Caprolactam	UG/L	0	0%			0	0	18	10 U	10 U				

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-10	MW25-10	MW25-11	MW25-11	MW25-12D	MW25-12D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20005	25LM20015	MW25-11	25010	MW25-12D	25014
Sample Date									1/31/2006	8/9/2006	11/17/1995	4/12/1996	11/18/1995	4/2/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	10 UJ	10 U	10 U	11 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	43 U	43 U	10 U	10 U	11 U	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	10 U	10 U	10 U	11 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	48 U	48 U	26 U	25 UJ	26 U	25 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	10 U	10 U	10 U	11 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	11 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44			0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Alpha-Chlordane	UG/L	0	0%			0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44			2 U	2.1 U	2.2 U	2 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44			1 U	1 U	1.1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Endosulfan II	UG/L	0	0%			0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44			0.1 U	0.1 U	0.11 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Gamma-Chlordane	UG/L	0	0%			0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44			0.051 U	0.052 U	0.054 U	0.05 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44			0.51 U	0.52 U	0.54 U	0.5 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44			5.1 U	5.2 U	5.4 U	5 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-10	MW25-10	MW25-11	MW25-11	MW25-12D	MW25-12D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20005	25LM20015	MW25-11	25010	MW25-12D	25014
Sample Date									1/31/2006	8/9/2006	11/17/1995	4/12/1996	11/18/1995	4/2/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44			37.4	**92.1**	**65.5**	**97.6** J
Antimony	UG/L	36.3	11%	3	GA	3	5	44			2.2 U	1 U	2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44			2.1 U	4 U	2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44			42.3	46.2	126	120
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44			0.27 U	0.1	0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44			0.3 U	0.3 U	0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44			82700	110000	60000	57600
Chromium	UG/L	5.5	45%	50	GA	0	20	44			2.9	0.7 U	0.5 U	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44			1.5	0.9 U	1 U	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44			3.3	1 U	0.7 U	0.94 U
Cyanide	UG/L	0	0%			0	0	44			5 U	5 U	5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	62.8 J	**358**	58.9	126 J	**302**	**367**
Lead	UG/L	445	48%	15	MCL	1	21	44			3.6	1.9 U	1.7	1.1 U
Magnesium	UG/L	50100	98%			0	43	44			13700	17700	22000	21000
Manganese	UG/L	32100	100%	300	GA	15	44	44			233	**402**	48.1	48
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44			0.02 U	0.2 U	0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44			3.3	1.6 U	1 U	1.7 U
Potassium	UG/L	9950	95%			0	42	44			3010 J	2990 J	2120 J	2050
Selenium	UG/L	2030	7%	10	GA	1	3	44			3.7 U	3.4 U	3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44			0.79 U	1.3 U	0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	8870	6530 J	**110000** J	**135000**	**31900** J	**28800**
Thallium	UG/L	12000	7%	2	MCL	3	3	44			**4.1**	4.7 U	3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44			1.1	1.1 U	1.1 U	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44			7.6	1.7	1.8	1.1 U
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20	0.73	0.71 J				
Ethane	UG/L	0	0%			0	0	19	2 U	2 U				
Ethene	UG/L	0	0%			0	0	19	2 U	2 U				
Methane	UG/L	80	21%			0	4	19	2 U	2 U				
NITRATE	MG/L-N	0.32	21%			0	4	19	0.05 U	0.05 U				
NITRITE	MG/L-N	0.087	5%			0	1	19	0.05 U	0.05 U				
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19	18.1	18.4				

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Parameter	Units	Maximum Value	Frequency of Detection	Criteria Level	Criteria Source[1]	Number of Exceedances	Number of Times Detected	Number of Samples Collected	SEAD-25 MW25-13 GW MW25-13 11/17/1995 SA RI 1 Value (Q)	SEAD-25 MW25-13 GW 25015 3/29/1996 SA RI 2 Value (Q)	SEAD-25 MW25-13 GW 25LM20006 1/30/2006 SA S25 LTM 1 Value (Q)	SEAD-25 MW25-13 GW 25LM20016 8/9/2006 SA S25 LTM 2 Value (Q)	SEAD-25 MW25-14D GW MW25-14D 11/18/1995 SA RI 1 Value (Q)	SEAD-25 MW25-14D GW 25016 3/29/1996 SA RI 2 Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20			1 UJ	1 U		
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U		1 U	1 U	10 UJ	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17		0.5 U				0.5 U
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U				10 UJ	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
2,2-Dichloropropane	UG/L	0	0%			0	0	17		0.5 U				0.5 U
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
Acetone	UG/L	0	0%			0	0	55	10 UJ	5 UR	5 U	7.8 UJ	10 UJ	5 UR
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 UJ	10 UJ	0.5 U
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		0.5 U	1 U	1 U		0.5 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Cyclohexane	UG/L	8.6	10%			0	2	20			1 UJ	1 U		
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17		0.5 U				0.5 U
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		0.5 U	1 U	1 U		0.5 U
Methyl Acetate	UG/L	0	0%			0	0	20			1 U	1 U		
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23			1 U	1 U		
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 UJ		5 U	5 U	10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Methyl cyclohexane	UG/L	4.2	10%			0	2	20			1 U	1 U		
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 UJ	5 U	5 U	5 UJ	10 UJ	5 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	5 U	5 U	5 U	10 UJ	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 UJ	10 UJ	0.5 U
Naphthalene	UG/L	0	0%			0	0	17		0.5 U				0.5 U
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 U
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	0.5 UJ	1 U	1 U	10 UJ	0.5 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-13	MW25-13	MW25-13	MW25-13	MW25-14D	MW25-14D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-13	25015	25LM20006	25LM20016	MW25-14D	25016
Sample Date									11/17/1995	3/29/1996	1/30/2006	8/9/2006	11/18/1995	3/29/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	0.5 U	3 U	3 U	10 UJ	0.5 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 UJ	0.5 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 U
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 U
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18			9 U			
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	11 U	10 U			10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	11 U	10 U			10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	11 U	10 U			10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	11 U	10 U			10 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	27 U	25 U	9 U		26 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	11 U	10 U	9 U		10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	27 U	25 U	47 U		26 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	11 U	10 U	9 U		10 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	11 U	10 U	9 U		10 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	27 U	25 U	47 U		26 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	11 UJ	10 U	19 U		10 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	27 U	25 U	47 U		26 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	27 U	25 U	47 U		26 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	11 U	10 U	9 U		10 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	27 U	25 U	47 U		26 U	25 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	27 U	25 UJ	47 UJ		26 U	25 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	11 U	10 U	9 U		10 U	10 U
Acetophenone	UG/L	0	0%			0	0	18			9 U			
Anthracene	UG/L	1	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18			9 U			
Benzaldehyde	UG/L	0	0%			0	0	18			47 U			
Benzo(a)anthracene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	11 U	10 U	9 U		10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	15 U	10 UJ	9 U		13 U	10 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Caprolactam	UG/L	0	0%			0	0	18			9 U			

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-13	MW25-13	MW25-13	MW25-13	MW25-14D	MW25-14D
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								MW25-13	25015	25LM20006	25LM20016	MW25-14D	25016
Sample Date								11/17/1995	3/29/1996	1/30/2006	8/9/2006	11/18/1995	3/29/1996
QC Code								SA	SA	SA	SA	SA	SA
Study ID								RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Chrysene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Fluorene	UG/L	1	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	42 U		10 U	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Isophorone	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	11 U	10 U	9 U		10 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	11 U	10 U	9 U		10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	27 U	25 U	47 U		26 U	25 U
Phenanthrene	UG/L	1	2%			0	1	62	11 U	10 U	9 U		10 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	11 U	10 U	9 U		10 U	10 U
Pyrene	UG/L	0	0%			0	0	62	11 U	10 U	9 U		10 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.11 U	0.11 U			0.1 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.2 U	2.3 U			2 U	2 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1.1 U			1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Endosulfan II	UG/L	0	0%			0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.11 U	0.11 U			0.1 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.055 U	0.056 U			0.05 U	0.05 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.55 U	0.56 U			0.5 U	0.5 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.5 U	5.6 U			5 U	5 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-13	MW25-13	MW25-13	MW25-13	MW25-14D	MW25-14D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-13	25015	25LM20006	25LM20016	MW25-14D	25016
Sample Date									11/17/1995	3/29/1996	1/30/2006	8/9/2006	11/18/1995	3/29/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	16.3	**172** J			**223**	19.5 U
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.2 U	2.3 U			2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	2.2	3.5 U			3.8	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	71.9	81.7			120	109
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.27 U	0.13 U			0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U	0.32 U			0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44	147000	190000			52000	51500
Chromium	UG/L	5.5	45%	50	GA	0	20	44	0.88	1.3 U			1.1	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	1 U	2			1 U	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.95	2			0.7 U	0.94 U
Cyanide	UG/L	0	0%			0	0	44	5 U	5 UJ			5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	23.5	**321**	**320** J		**543**	**488**
Lead	UG/L	445	48%	15	MCL	1	21	44	1.5 U	1.1 U			3.2	1.1 U
Magnesium	UG/L	50100	98%			0	43	44	22200	28700			19900	19600
Manganese	UG/L	32100	100%	300	GA	15	44	44	246	**376**			43.7	41.1
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.02 U	0.1 U			0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	2.1	3.5			1 U	1.7 U
Potassium	UG/L	9950	95%			0	42	44	9070 J	4900			2110 J	2400
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.7 U	3.4 U			3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44	0.8 U	1.1 U			0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	**188000** J	**181000**	**40600**		**35700** J	**33100**
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3 U	3.5 U			3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U	1.2 U			1.1	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	2.7	3.1			2.7	1.1 U
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20			2.5			
Ethane	UG/L	0	0%			0	0	19			2 U			
Ethene	UG/L	0	0%			0	0	19			2 U			
Methane	UG/L	80	21%			0	4	19			2 U			
NITRATE	MG/L-N	0.32	21%			0	4	19			0.05 U			
NITRITE	MG/L-N	0.087	5%			0	1	19			0.05 U			
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19			15.6			

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-15	MW25-15	MW25-15	MW25-15	MW25-16D	MW25-16D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-15	25011	25LM20007	25LM20017	MW25-16D	25018
Sample Date									11/20/1995	4/13/1996	1/31/2006	8/14/2006	11/20/1995	3/30/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20			1 U	1 U		
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U		1 U	1 U	10 U	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17		0.5 U				0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U				10 U	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	17		0.5 U				0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
Acetone	UG/L	0	0%			0	0	55	21 UJ	5 U	5 U	12 UJ	14 UJ	5 UR
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		0.5 U	1 U	1 U		0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Cyclohexane	UG/L	8.6	10%			0	2	20			1 U	1 U		
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 UJ	1 U		0.5 UJ
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17		0.5 U				0.5 UJ
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		0.5 U	1 U	1 U		0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	20			1 U	1 U		
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23			1 U	1 U		
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 UJ	10 U	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 UJ		5 U	5 U	10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20			1 U	1 U		
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 UJ	5 U	5 U	5 U	10 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	5 U	5 U	5 U	10 U	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Naphthalene	UG/L	0	0%			0	0	17		0.5 U				0.5 UJ
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-15	MW25-15	MW25-15	MW25-15	MW25-16D	MW25-16D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-15	25011	25LM20007	25LM20017	MW25-16D	25018
Sample Date									11/20/1995	4/13/1996	1/31/2006	8/14/2006	11/20/1995	3/30/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	0.6	3 U	3 U	10 U	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 U	1 U		0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 U	1 UJ	1 U		0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	0.5 U	1 U	1 U	10 U	0.5 UJ
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		0.5 U		1 U		0.5 UJ
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 U				0.5 UJ
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18			9 U			
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	12 U			10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	12 U			10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	12 U			10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	12 U			10 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	30 U	9 U		26 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	12 U	9 U		10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	26 U	30 U	47 U		26 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 UJ
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	12 U	9 U		10 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	12 U	9 U		10 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	30 U	47 U		26 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	**10** J	12 U	19 U		10 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	30 U	47 U		26 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	26 U	30 U	47 U		26 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	12 U	9 U		10 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	30 U	47 U		26 U	25 UJ
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	26 U	30 UJ	47 U		26 U	25 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	12 U	0.7 J		10 U	10 U
Acetophenone	UG/L	0	0%			0	0	18			9 U			
Anthracene	UG/L	1	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18			9 U			
Benzaldehyde	UG/L	0	0%			0	0	18			47 U			
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	12 U	9 U		10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	12 UJ	9 U		10 U	10 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Caprolactam	UG/L	0	0%			0	0	18			9 U			

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-15	MW25-15	MW25-15	MW25-15	MW25-16D	MW25-16D
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								MW25-15	25011	25LM20007	25LM20017	MW25-16D	25018
Sample Date								11/20/1995	4/13/1996	1/31/2006	8/14/2006	11/20/1995	3/30/1996
QC Code								SA	SA	SA	SA	SA	SA
Study ID								RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	42 U		10 U	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	12 U	9 U		10 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	12 U	9 U		10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	30 U	47 U		26 U	25 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	12 U	9 U		10 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	12 U	9 U		10 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	12 U	9 U		10 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.1 U	0.11 U			0.1 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.1 U	2.2 U			2.1 U	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U			1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Endosulfan II	UG/L	0	0%			0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U			0.1 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.052 U	0.056 U			0.052 U	0.052 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.52 U	0.56 U			0.52 U	0.52 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.2 U	5.6 U			5.2 U	5.2 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-15	MW25-15	MW25-15	MW25-15	MW25-16D	MW25-16D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-15	25011	25LM20007	25LM20017	MW25-16D	25018
Sample Date									11/20/1995	4/13/1996	1/31/2006	8/14/2006	11/20/1995	3/30/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	228	186			170	297
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.2 U	1 U			2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	2.2	4 U			2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	36.4	33.2			88.3	87.9
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.27 U	0.1 U			0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U	0.3 U			0.43	0.32 U
Calcium	UG/L	190000	100%			0	44	44	98900	98600			77100	76600
Chromium	UG/L	5.5	45%	50	GA	0	20	44	0.61	0.7 U			1.6	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	0.99 U	1.2			1 U	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.69 U	2.2			0.7 U	0.94 U
Cyanide	UG/L	0	0%			0	0	44	5 U	5 U			5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	327	372 J	56 J	850	483	573
Lead	UG/L	445	48%	15	MCL	1	21	44	1.6	1.9 U			1.5 U	1.1 U
Magnesium	UG/L	50100	98%			0	43	44	15900	16100			30200	30000
Manganese	UG/L	32100	100%	300	GA	15	44	44	238	438			56.4	58.7
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.02 U	0.2 U			0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	1.4	2.4			1.5	1.7 U
Potassium	UG/L	9950	95%			0	42	44	1770 J	1680 J			2200 J	2350
Selenium	UG/L	2030	7%	10	GA	1	3	44	4.8 J	3.4 U			3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44	0.79 U	1.3 U			0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	3530 J	4560	3080	6630 J	19300 J	19000
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3 U	4.7 U			3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U	1.1 U			1.1 U	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	2.6	15.5 J			2.2	1.8
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20			0.66	1.4 J		
Ethane	UG/L	0	0%			0	0	19			2 U	2 U		
Ethene	UG/L	0	0%			0	0	19			2 U	2 U		
Methane	UG/L	80	21%			0	4	19			2 U	2 U		
NITRATE	MG/L-N	0.32	21%			0	4	19			0.05 U	0.05 U		
NITRITE	MG/L-N	0.087	5%			0	1	19			0.05 U	0.087		
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19			14.4	17.9		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-17	MW25-17	MW25-17	MW25-17	MW25-18	MW25-18
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-17	25019	25LM20008	25LM20018	MW25-18	25020
Sample Date									11/20/1995	3/30/1996	1/30/2006	8/11/2006	11/28/1995	3/28/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20			1 UJ	1 U		
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U		1 U	1 U	10 U	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17		0.5 UJ				0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		1 U		0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U				10 U	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		1 U		0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	17		0.5 UJ				0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
Acetone	UG/L	0	0%			0	0	55	13 UJ	5 UR	5 U	5 U	10 UJ	5 UR
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		0.5 UJ	1 U	1 U		0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Cyclohexane	UG/L	8.6	10%			0	2	20			1 UJ	1 U		
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17		0.5 UJ				0.5 UJ
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		0.5 UJ	1 U	1 U		0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	20			1 U	1 U		
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23			1 U	1 U		
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 UJ	10 U	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 UJ		5 U	5 U	10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20			1 U	1 U		
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 UJ	5 UJ	5 U	5 U	10 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	5 UJ	5 U	5 U	10 U	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Naphthalene	UG/L	0	0%			0	0	17		0.5 UJ				0.5 UJ
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		1 U		0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	0.5 UJ	1 U	1 U	10 U	0.6 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-17	MW25-17	MW25-17	MW25-17	MW25-18	MW25-18
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-17	25019	25LM20008	25LM20018	MW25-18	25020
Sample Date									11/20/1995	3/30/1996	1/30/2006	8/11/2006	11/28/1995	3/28/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	0.5 UJ	3 U	3 U	10 U	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 UJ	1 U	1 U		0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	0.5 UJ	1 U	1 U	10 U	0.5 UJ
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		1 U		0.5 UJ
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ				0.5 UJ
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18			9 U	10 U		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	10 U			10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U			10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U			10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U			10 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	9 U	10 U	26 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	10 U	9 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	26 U	25 U	47 U	49 U	26 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	10 UJ	9 U	10 U	10 U	10 UJ
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	10 U	9 U	10 U	10 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	10 U	9 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 U	47 U	49 U	26 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 UJ	10 U	19 U	20 U	10 U	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 U	47 U	49 U	26 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	47 U	49 U	26 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	10 U	9 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 UJ	47 U	49 U	26 U	25 UJ
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 UJ	47 UJ	49 U	26 U	25 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	10 U	9 U	10 U	10 U	10 U
Acetophenone	UG/L	0	0%			0	0	18			9 U	10 U		
Anthracene	UG/L	1	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18			9 U	10 U		
Benzaldehyde	UG/L	0	0%			0	0	18			47 U	49 U		
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	10 U	9 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	10 UJ	9 U	10 U	13 U	15 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Caprolactam	UG/L	0	0%			0	0	18			9 U	10 U		

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-17	MW25-17	MW25-17	MW25-17	MW25-18	MW25-18
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								MW25-17	25019	25LM20008	25LM20018	MW25-18	25020
Sample Date								11/20/1995	3/30/1996	1/30/2006	8/11/2006	11/28/1995	3/28/1996
QC Code								SA	SA	SA	SA	SA	SA
Study ID								RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	10 UJ	42 U	44 U	10 U	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	10 U	9 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	47 U	49 U	26 U	25 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	10 U	9 U	10 U	10 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	10 U	9 U	10 U	10 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.1 U	0.1 U			0.1 U	0.11 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.1 U	2 U			2 U	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1 U	1 U			1 U	1.1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Endosulfan I	UG/L	0	0%			0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Endosulfan II	UG/L	0	0%			0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.1 U			0.1 U	0.11 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.052 U	0.05 U			0.05 U	0.053 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.52 U	0.5 U			0.5 U	0.53 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.2 U	5 U			5 U	5.3 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-17	MW25-17	MW25-17	MW25-17	MW25-18	MW25-18
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-17	25019	25LM20008	25LM20018	MW25-18	25020
Sample Date									11/20/1995	3/30/1996	1/30/2006	8/11/2006	11/28/1995	3/28/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	41.8	19.5 U			**336**	**531**
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.2 U	2.3 U			2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	2.1 U	3.5 U			2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	68.5	56			93.6	112
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.27 U	0.13 U			0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U	0.32 U			0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44	98600	90700			155000	164000
Chromium	UG/L	5.5	45%	50	GA	0	20	44	4.2	1.3 U			5.5	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	1 U	1.1 U			3	2
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.97	0.94 U			2	1.5
Cyanide	UG/L	0	0%			0	0	44	5 U	5 UJ			5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	84.8	59.4	46.1	8.8 U	**495**	**957**
Lead	UG/L	445	48%	15	MCL	1	21	44	1.5 U	1.1 U			6.4	1.1 U
Magnesium	UG/L	50100	98%			0	43	44	26700	25200			35400	39200
Manganese	UG/L	32100	100%	300	GA	15	44	44	30	14.8			154	117
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.02 U	0.1 U			0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	3.6	1.7 U			6.6	3.5
Potassium	UG/L	9950	95%			0	42	44	1350 J	885			2380 J	2080
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.7 U	3.4 U			3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44	0.8 U	1.1 U			0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	3320 J	2130	4240	5170 J	**59100** J	**85300**
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3 U	3.5 U			3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U	1.2 U			1.2	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	3.9	1.5			7.6	4.7
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20			0.7	1.4 J		
Ethane	UG/L	0	0%			0	0	19			2 U	2 U		
Ethene	UG/L	0	0%			0	0	19			2 U	2 U		
Methane	UG/L	80	21%			0	4	19			2 U	2 U		
NITRATE	MG/L-N	0.32	21%			0	4	19			0.05 U	0.11		
NITRITE	MG/L-N	0.087	5%			0	1	19			0.05 U	0.05 U		
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19			17.2	16.3		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-18	MW25-18	MW25-19	MW25-19	MW25-2	MW25-2
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20009	25LM20019	MW25-19	25021	MW25-2-1	MW25-2
Sample Date									1/30/2006	8/14/2006	11/21/1995	4/10/1996	2/5/1994	11/29/1995
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	ESI	RI
Sampling Round									1	2	1	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	1 U	1 U	10 UJ	0.5 UJ	**36**	**25** J
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20	1 UJ	1 U				
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	1 U	1 U	10 UJ		10 U	59 U
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	1 U	1 U	10 UJ	0.5 UJ	**8** J	59 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	1 U	1 U	10 UJ	0.5 UJ	1 J	59 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17				0.5 UJ		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 UJ		
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 UJ		
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37	1 U	1 U		0.5 UJ		
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37	1 U	1 U		0.5 UJ		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 UJ		
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27			10 UJ		**25**	**37** J
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 UJ		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 UJ		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	1 U	1 U		0.5 UJ		
2,2-Dichloropropane	UG/L	0	0%			0	0	17				0.5 UJ		
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
Acetone	UG/L	0	0%			0	0	55	5 U	5 U	11 UJ	5 UJ	10 U	59 UJ
Benzene	UG/L	1000	19%	1	GA	11	12	64	1 U	1 U	10 UJ	0.5 UJ	**780**	**730**
Bromobenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	1 U	1 U	6 J	0.5 UJ	10 U	59 U
Carbon disulfide	UG/L	0	0%			0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	1 U	1 U	3 J	0.5 UJ	10 U	59 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Chloroform	UG/L	17	3%	7	GA	2	2	64	1 U	1 U	10 UJ	0.5 UJ	**17**	59 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37	1 U	1 U		0.5 UJ		
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Cyclohexane	UG/L	8.6	10%			0	2	20	1 UJ	1 U				
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 UJ		
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	1 U	1 U	10 UJ	0.5 UJ	**110**	**140**
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17				0.5 UJ		
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37	1 U	1 U		0.5 UJ		
Methyl Acetate	UG/L	0	0%			0	0	20	1 U	1 U				
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23	1 U	1 U			NA	
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	5 U	5 U	10 UJ		10 U	59 U
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20	1 U	1 U				
Methyl ethyl ketone	UG/L	130	2%			0	1	64	5 U	5 U	10 UJ	5 UJ	10 U	59 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	5 U	5 U	10 UJ	5 UJ	10 U	59 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Naphthalene	UG/L	0	0%			0	0	17				0.5 UJ		
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 UJ		
Styrene	UG/L	0	0%	5	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	1 U	1 U	10 UJ	0.5 UJ	1 J	59 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	1 U	1 U	10 UJ	0.5 UJ	**560**	**370**

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-18	MW25-18	MW25-19	MW25-19	MW25-2	MW25-2
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20009	25LM20019	MW25-19	25021	MW25-2-1	MW25-2
Sample Date									1/30/2006	8/14/2006	11/21/1995	4/10/1996	2/5/1994	11/29/1995
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	ESI	RI
Sampling Round									1	2	1	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	3 U	3 U	10 UJ	0.5 UJ	**2500**	**1800**
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 UJ		
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	1 U	1 U	10 UJ	0.5 UJ	**10**	**6** J
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37	1 U	1 U		0.5 UJ		
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	1 U	1 U	10 UJ	0.5 UJ	10 U	59 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		1 U		0.5 UJ		
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				0.5 UJ		
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18	10 U	10 U				
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44			10 UJ	10 U	25 U	21 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 UJ	10 U	25 U	21 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 UJ	10 U	25 U	21 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44			10 UJ	10 U	25 U	21 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4					25 U	
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	26 UJ	25 U	62 U	52 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	10 U	10 UJ	10 U	**86**	**29**
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	48 U	48 UJ	26 UJ	25 U	62 U	52 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	10 U	10 UJ	10 U	37	46
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	10 U	10 UJ	10 U	**23** J	**8** J
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 UJ	25 U	62 U	52 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	19 U	19 U	10 UJ	10 U	25 U	21 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 UJ	25 U	62 U	52 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	48 U	48 U	26 UJ	25 U	62 U	52 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	10 U	10 UJ	10 U	**42**	21 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	48 U	48 U	26 UJ	25 U	62 U	52 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	48 UJ	48 U	26 UJ	25 U	62 U	52 U
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Acetophenone	UG/L	0	0%			0	0	18	10 U	10 U				
Anthracene	UG/L	1	2%			0	1	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18	10 U	10 U				
Benzaldehyde	UG/L	0	0%			0	0	18	48 U	48 U				
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	10 U	10 UJ	10 U		21 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	**11**	10 UJ	10 UJ	25 U	21 U
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	2 J	10 UJ	10 U	25 U	21 U
Caprolactam	UG/L	0	0%			0	0	18	10 U	10 U				

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-18	MW25-18	MW25-19	MW25-19	MW25-2	MW25-2
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								25LM20009	25LM20019	MW25-19	25021	MW25-2-1	MW25-2
Sample Date								1/30/2006	8/14/2006	11/21/1995	4/10/1996	2/5/1994	11/29/1995
QC Code								SA	SA	SA	SA	SA	SA
Study ID								S25 LTM	S25 LTM	RI	RI	ESI	RI
Sampling Round								1	2	1	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Chrysene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	10 UJ	10 UJ	10 U	25 U	21 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Fluorene	UG/L	1	2%			0	1	62	10 U	10 U	10 UJ	10 U	1 J	21 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	43 U	44 U	10 UJ	10 UJ	25 U	21 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Isophorone	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	10 U	10 UJ	10 U	86	110
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	48 U	48 U	26 UJ	25 U	62 U	52 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	10 U	10 UJ	10 U	25 U	1 J
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	10 U	10 UJ	10 U	56	21 U
Pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 UJ	10 U	25 U	21 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44			0.1 UJ	0.1 U	0.12 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Alpha-Chlordane	UG/L	0	0%			0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44			2 UJ	2 U	2.4 U	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44			1 UJ	1 U	1.2 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Endosulfan II	UG/L	0	0%			0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44			0.1 UJ	0.1 U	0.12 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Gamma-Chlordane	UG/L	0	0%			0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44			0.05 UJ	0.051 U	0.06 U	0.052 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44			0.5 UJ	0.51 U	0.6 U	0.52 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44			5 UJ	5.1 U	6 U	5.2 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4					0.11 U	
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4					0.11 U	
2,4-D	UG/L	0	0%	50	GA	0	0	4					1.1 U	
2,4-DB	UG/L	0	0%			0	0	4					1.1 U	

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-18	MW25-18	MW25-19	MW25-19	MW25-2	MW25-2
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25LM20009	25LM20019	MW25-19	25021	MW25-2-1	MW25-2
Sample Date									1/30/2006	8/14/2006	11/21/1995	4/10/1996	2/5/1994	11/29/1995
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S25 LTM	S25 LTM	RI	RI	ESI	RI
Sampling Round									1	2	1	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4					2.6 U	
Dicamba	UG/L	0	0%	0.44	GA	0	0	4					0.11 U	
Dichloroprop	UG/L	0	0%			0	0	4					1.1 U	
Dinoseb	UG/L	0	0%	1	GA	0	0	4					0.55 U	
MCPA	UG/L	0	0%	0.44	GA	0	0	4					110 U	
MCPP	UG/L	0	0%			0	0	4					110 U	
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44			**74.2**	**67.4**	**53.3** J	9.9 U
Antimony	UG/L	36.3	11%	3	GA	3	5	44			2.2 U	1 U	**22.4** J	2.2 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44			2.1 U	4 U	3.8 J	8.9 J
Barium	UG/L	192	100%	1000	GA	0	44	44			59.3	57.4	74.1 J	115
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44			0.27 U	0.1 U	0.4 U	0.27 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44			0.3 U	0.3 U	2.1 U	0.3 U
Calcium	UG/L	190000	100%			0	44	44			106000	103000	143000	169000
Chromium	UG/L	5.5	45%	50	GA	0	20	44			2.3	0.7 U	2.6 U	1.3
Cobalt	UG/L	7.9	36%			0	16	44			1 U	0.9 U	4.4 U	2.7
Copper	UG/L	4.4	45%	200	GA	0	20	44			2.1	1 U	3.1 U	1.5
Cyanide	UG/L	0	0%			0	0	44			5 U	5 U	5 U	5 U
Iron	UG/L	5310	94%	300	GA	37	59	63	**462** J	**357**	138	67.3 J	**3730**	**5310**
Lead	UG/L	445	48%	15	MCL	1	21	44			1.8	1.9 U	2 J	10.7
Magnesium	UG/L	50100	98%			0	43	44			22500	20800	48000	50100
Manganese	UG/L	32100	100%	300	GA	15	44	44			202	27.5	**1330**	**1540**
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44			0.02 U	0.2 U	0.04 U	0.07
Nickel	UG/L	11.5	61%	100	GA	0	27	44			2.5	1.6 U	4.7 J	5.8
Potassium	UG/L	9950	95%			0	42	44			4750 J	1960 J	9950	2280 J
Selenium	UG/L	2030	7%	10	GA	1	3	44			3.7 U	3.4 U	0.7 U	3.7 U
Silver	UG/L	0	0%	50	GA	0	0	44			0.8 U	1.3 U	4.2 U	0.8 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	**22300**	**41900** J	8790 J	4060	13100	13600 J
Thallium	UG/L	12000	7%	2	MCL	3	3	44			3 U	**4.7**	1.2 U	3 U
Vanadium	UG/L	5.4	18%			0	8	44			1.1 U	1.1 U	3.7 U	2
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44			2.4	2.7	31.3	8.9
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20	18.6	55.6				
Ethane	UG/L	0	0%			0	0	19	2 U	2 U				
Ethene	UG/L	0	0%			0	0	19	2 U	2 U				
Methane	UG/L	80	21%			0	4	19	2 U	2 U				
NITRATE	MG/L-N	0.32	21%			0	4	19	0.05 U	0.32				
NITRITE	MG/L-N	0.087	5%			0	1	19	0.05 U	0.05 U				
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4					0.01 U	
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19	24.8	30.1				

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-2	MW25-2	MW25-2	MW25-2	MW25-3	MW25-3
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25002	25LM20000	25LM20014	25LM20010	MW25-3-1	MW25-3
Sample Date									4/12/1996	4/12/2006	8/9/2006	8/9/2006	11/15/1993	11/19/1995
QC Code									SA	SA	DU	SA	SA	SA
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	ESI	RI
Sampling Round									2	1	2	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17						
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	**37** J	5 U	1 U	1 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20		5 U	1 U	1 U		
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	100 U	5 U	1 U	1 U	10 U	10 U
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	100 U	5 U	1 U	1 U	3 J	10 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	100 U	5 U	1 U	1 U	10 U	10 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17						
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17						
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17						
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		5 UJ	1 U	1 U		
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27			1 U	1 U		
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		5 UJ	1 U	1 U		
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		5 U	1 U	1 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		5 U	1 U	1 U		
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	100 U	5 U	1 U	1 U	10 U	10 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	**40** J				2 J	10 U
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27			1 U	1 U		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		5 U	1 U	1 U		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		5 U	1 U	1 U		
2,2-Dichloropropane	UG/L	0	0%			0	0	17						
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17						
Acetone	UG/L	0	0%			0	0	55	100 U	25 U	7.6 UJ	10 UJ	10 U	10 U
Benzene	UG/L	1000	19%	1	GA	11	12	64	**1000**	**16**	**2.2**	**2**	**30**	**5** J
Bromobenzene	UG/L	0	0%	5	GA	0	0	17						
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17						
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	100 U	5 U	1 U	1 U	10 U	10 U
Carbon disulfide	UG/L	0	0%			0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	100 U	5 U	1 U	1 U	10 U	10 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	100 U	5 UJ	1 UJ	1 UJ	10 U	10 U
Chloroform	UG/L	17	3%	7	GA	2	2	64	**12** J	5 U	1 U	1 U	10 U	10 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		5 U	1 U	1 U		
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Cyclohexane	UG/L	8.6	10%			0	2	20		8.6	1 U	1 U		
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		5 U	1 U	1 U		
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	**520**	**19**	0.98 J	0.77 J	**18**	3 J
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17						
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		5 U	1 U	1 U		
Methyl Acetate	UG/L	0	0%			0	0	20		5 UJ	1 U	1 U		
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23		5 U	1 U	1 U	ND	
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Methyl butyl ketone	UG/L	0	0%			0	0	47	100 U	25 U	5 U	5 U	10 U	10 U
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Methyl cyclohexane	UG/L	4.2	10%			0	2	20		4.2 J	1 U	1 U		
Methyl ethyl ketone	UG/L	130	2%			0	1	64	100 U	25 U	5 UJ	5 UJ	10 U	10 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	100 U	25 U	5 U	5 U	10 U	10 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	17						
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 UJ	1 UJ	10 U	10 U
Naphthalene	UG/L	0	0%			0	0	17						
Propylbenzene	UG/L	0	0%	5	GA	0	0	27			1 U	1 U		
Styrene	UG/L	0	0%	5	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	100 U	5 U	1 U	1 U	10 U	10 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	**1400**	5 U	1 U	1 U	**8** J	10 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-2	MW25-2	MW25-2	MW25-2	MW25-3	MW25-3
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25002	25LM20000	25LM20014	25LM20010	MW25-3-1	MW25-3
Sample Date									4/12/1996	4/12/2006	8/9/2006	8/9/2006	11/15/1993	11/19/1995
QC Code									SA	SA	DU	SA	SA	SA
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	ESI	RI
Sampling Round									2	1	2	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	**3300**	15 U	3 U	3 U	**82**	**7** J
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		5 U	1 U	1 U		
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	100 U	5 U	1 U	1 U	10 U	10 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		5 U	1 U	1 U		
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	100 U	5 U	1 U	1 U	10 U	10 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17						
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27			1 U	1 U		
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18		10 U	10 U	10 U		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	230 U				11 U	11 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	230 U				11 U	11 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	230 U				11 U	11 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	230 U				11 U	11 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4					11 U	
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	570 U	10 U	10 U	10 U	26 U	26 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	**15** J	10 U	10 U	10 U	11 U	11 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2-Chlorophenol	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	69 J	10 U	10 U	10 U	11 U	11 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	230 U	10 U	10 U	10 U	11 U	11 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	230 U	20 U	20 U	19 U	11 U	11 UJ
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	**33** J	10 U	10 U	10 U	11 U	11 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	570 U	49 U	49 U	48 U	26 U	26 U
Acenaphthene	UG/L	0.5	2%			0	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Acenaphthylene	UG/L	2	6%			0	4	62	230 U	10 U	10 U	10 U	11 U	11 U
Acetophenone	UG/L	0	0%			0	0	18		10 U	10 U	10 U		
Anthracene	UG/L	1	2%			0	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18		10 U	10 U	10 U		
Benzaldehyde	UG/L	0	0%			0	0	18		49 U	49 U	48 U		
Benzo(a)anthracene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	230 U	10 U	10 U	10 U		11 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Butylbenzylphthalate	UG/L	2	2%			0	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Caprolactam	UG/L	0	0%			0	0	18		10 U	10 U	10 U		

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-2	MW25-2	MW25-2	MW25-2	MW25-3	MW25-3
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								25002	25LM20000	25LM20014	25LM20010	MW25-3-1	MW25-3
Sample Date								4/12/1996	4/12/2006	8/9/2006	8/9/2006	11/15/1993	11/19/1995
QC Code								SA	SA	DU	SA	SA	SA
Study ID								RI	S25 LTM	S25 LTM	S25 LTM	ESI	RI
Sampling Round								2	1	2	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Chrysene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Dibenzofuran	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Diethyl phthalate	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Dimethylphthalate	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Fluoranthene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Fluorene	UG/L	1	2%			0	1	62	230 U	10 U	10 UJ	10 UJ	11 U	11 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	230 U	44 U	44 U	43 U	11 U	11 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Isophorone	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Naphthalene	UG/L	160	10%			0	6	62	160 J	10 U	10 U	10 U	11 U	11 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	570 UJ	49 U	49 U	48 U	26 U	26 U
Phenanthrene	UG/L	1	2%			0	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Phenol	UG/L	56	2%	1	GA	1	1	62	230 U	10 U	10 U	10 U	11 U	11 U
Pyrene	UG/L	0	0%			0	0	62	230 U	10 U	10 U	10 U	11 U	11 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.1 U				0.11 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.1 U				0.11 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.1 U				0.11 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.05 U				0.053 U	0.052 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.05 U				0.053 U	0.052 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.05 U				0.053 U	0.052 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2 U				2.1 U	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1 U				1.1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.05 U				0.053 U	0.052 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.05 U				0.053 U	0.052 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.1 U				0.11 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44	0.05 U				0.053 U	0.052 U
Endosulfan II	UG/L	0	0%			0	0	44	0.1 U				0.11 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.1 U				0.11 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.1 U				0.11 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.1 U				0.11 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.1 U				0.11 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.05 U				0.053 U	0.052 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.05 U				0.053 U	0.052 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.05 U				0.053 U	0.052 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.05 U				0.053 U	0.052 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.5 U				0.53 U	0.52 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5 U				5.3 U	5.2 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4					0.11 U	
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4					0.11 U	
2,4-D	UG/L	0	0%	50	GA	0	0	4					1.1 U	
2,4-DB	UG/L	0	0%			0	0	4					1.1 U	

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-2	MW25-2	MW25-2	MW25-2	MW25-3	MW25-3
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25002	25LM20000	25LM20014	25LM20010	MW25-3-1	MW25-3
Sample Date									4/12/1996	4/12/2006	8/9/2006	8/9/2006	11/15/1993	11/19/1995
QC Code									SA	SA	DU	SA	SA	SA
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	ESI	RI
Sampling Round									2	1	2	2		1
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4					2.5 U	
Dicamba	UG/L	0	0%	0.44	GA	0	0	4					0.11 U	
Dichloroprop	UG/L	0	0%			0	0	4					1.1 U	
Dinoseb	UG/L	0	0%	1	GA	0	0	4					0.53 U	
MCPA	UG/L	0	0%	0.44	GA	0	0	4					110 U	
MCPP	UG/L	0	0%			0	0	4					110 U	
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	46.1				**2260**	**134**
Antimony	UG/L	36.3	11%	3	GA	3	5	44	1.4				52.7 U	2.2 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	4.9				1 U	2.2
Barium	UG/L	192	100%	1000	GA	0	44	44	119				54 J	49.1
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.1 U				0.31 J	0.27 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U				3.3 U	0.3 U
Calcium	UG/L	190000	100%			0	44	44	165000				119000	142000
Chromium	UG/L	5.5	45%	50	GA	0	20	44	0.7 U				5 J	0.5 U
Cobalt	UG/L	7.9	36%			0	16	44	2.9				7.9 J	3.4
Copper	UG/L	4.4	45%	200	GA	0	20	44	1 U				4.4 J	2.3
Cyanide	UG/L	0	0%			0	0	44	5 U				5 U	5 U
Iron	UG/L	5310	94%	300	GA	37	59	63	**4550** J	**2510** J	**727**	**606**	**4150**	**389**
Lead	UG/L	445	48%	15	MCL	1	21	44	1.9 U				3	2.7
Magnesium	UG/L	50100	98%			0	43	44	48800				22000	20500
Manganese	UG/L	32100	100%	300	GA	15	44	44	**2090**				**2440**	**1490**
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.2 U				0.07 UJ	0.02 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	7.2				11.5 J	6.8
Potassium	UG/L	9950	95%			0	42	44	1220 J				4170 J	1930 J
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.4 U				0.8 U	3.7 U
Silver	UG/L	0	0%	50	GA	0	0	44	1.3 U				6.7 U	0.8 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	11700	4730	5510 J	5690 J	11500	13300 J
Thallium	UG/L	12000	7%	2	MCL	3	3	44	4.7 U				1.8 U	3 U
Vanadium	UG/L	5.4	18%			0	8	44	1.8				5.4 J	1.1 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	4.8 J				20	3.2
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20		6.5	2.2 J	2.2 J		
Ethane	UG/L	0	0%			0	0	19		2 U	10 U	10 U		
Ethene	UG/L	0	0%			0	0	19		2 U	10 U	10 U		
Methane	UG/L	80	21%			0	4	19		80 J	35	36		
NITRATE	MG/L-N	0.32	21%			0	4	19		0.05 U	0.05 U	0.05 U		
NITRITE	MG/L-N	0.087	5%			0	1	19		0.05 U	0.05 U	0.05 U		
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4					0.07	
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19		39.6	31	33.2		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-3	MW25-3	MW25-3	MW25-3	MW25-4D	MW25-4D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25003	25LM20001	25LM20002	25LM20011	MW25-4D	25200
Sample Date									4/10/1996	1/31/2006	1/31/2006	8/11/2006	11/15/1995	4/1/1996
QC Code									SA	DU	SA	SA	SA	DU
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	RI	RI
Sampling Round									2	1	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17						0.5 U
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20		1 U	1 U	1 U		
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U	1 U	1 U	1 U	10 U	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17						0.5 U
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17						0.5 U
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17						0.5 U
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		1 U	1 U	1 U		0.5 U
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U		0.5 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		1 U	1 U	1 U		0.5 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		1 U	1 U	1 U		0.5 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		1 U	1 U	1 U		0.5 U
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U				10 U	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U		0.5 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		1 U	1 U	1 U		0.5 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		1 U	1 U	1 U		0.5 U
2,2-Dichloropropane	UG/L	0	0%			0	0	17						0.5 U
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17						0.5 U
Acetone	UG/L	0	0%			0	0	55	10 U	5 U	5 U	5.9 UJ	10 UJ	5 U
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	17						0.5 U
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17						0.5 U
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		1 U	1 U	1 U		0.5 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Cyclohexane	UG/L	8.6	10%			0	2	20		1 U	1 U	1 U		
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		1 UJ	1 UJ	1 U		0.5 U
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17						0.5 U
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		1 U	1 U	1 U		0.5 U
Methyl Acetate	UG/L	0	0%			0	0	20		1 U	1 U	1 U		
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23		1 U	1 U	1 U		
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 UJ	10 U	0.5 U
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 U	5 U	5 U	5 U	10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Methyl cyclohexane	UG/L	4.2	10%			0	2	20		1 U	1 U	1 U		
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 U	5 U	5 U	5 U	10 UJ	5 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	5 U	5 U	5 U	10 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	17						0.5 U
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Naphthalene	UG/L	0	0%			0	0	17						0.5 U
Propylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U		0.5 U
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	1 U	1 U	1 U	10 U	0.7 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-3	MW25-3	MW25-3	MW25-3	MW25-4D	MW25-4D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25003	25LM20001	25LM20002	25LM20011	MW25-4D	25200
Sample Date									4/10/1996	1/31/2006	1/31/2006	8/11/2006	11/15/1995	4/1/1996
QC Code									SA	DU	SA	SA	SA	DU
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	RI	RI
Sampling Round									2	1	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	3 U	3 U	3 U	10 U	0.5 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		1 U	1 U	1 U		0.5 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	1 U	1 U	1 U	10 U	0.5 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		1 UJ	1 UJ	1 U		0.5 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	1 U	1 U	1 U	10 U	0.5 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						0.5 U
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17						0.5 U
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27				1 U		0.5 U
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						0.5 U
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17						0.5 U
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18		9 U	10 U	10 U		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U				10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U				10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U				10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U				10 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	9 U	10 U	10 U	25 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	9 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	25 UJ	47 U	48 U	48 U	25 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	9 U	10 U	10 U	10 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	9 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	47 U	48 U	48 U	25 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 U	19 U	19 U	19 U	10 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	47 U	48 U	48 U	25 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	25 U	47 U	48 U	48 U	25 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	9 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	47 U	48 U	48 U	25 U	25 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	25 UJ	47 UJ	48 UJ	48 U	25 U	25 U
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	9 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	0	0%			0	0	18		9 U	10 U	10 U		
Anthracene	UG/L	1	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18		9 U	10 U	10 U		
Benzaldehyde	UG/L	0	0%			0	0	18		47 U	48 U	48 U		
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	9 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	0	0%			0	0	18		9 U	10 U	10 U		

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-3	MW25-3	MW25-3	MW25-3	MW25-4D	MW25-4D
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								25003	25LM20001	25LM20002	25LM20011	MW25-4D	25200
Sample Date								4/10/1996	1/31/2006	1/31/2006	8/11/2006	11/15/1995	4/1/1996
QC Code								SA	DU	SA	SA	SA	DU
Study ID								RI	S25 LTM	S25 LTM	S25 LTM	RI	RI
Sampling Round								2	1	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	42 U	44 U	43 U	10 U	10 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	9 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	47 U	48 U	48 U	25 U	25 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	9 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	9 U	10 U	10 U	10 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.11 U				0.1 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.11 U				0.1 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.11 U				0.1 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.053 U				0.051 U	0.05 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.053 U				0.051 U	0.05 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.053 U				0.051 U	0.05 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.1 U				2 U	2 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1.1 U				1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.053 U				0.051 U	0.05 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.053 U				0.051 U	0.05 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.11 U				0.1 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44	0.053 U				0.051 U	0.05 U
Endosulfan II	UG/L	0	0%			0	0	44	0.11 U				0.1 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.11 U				0.1 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.11 U				0.1 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.11 U				0.1 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.11 U				0.1 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.053 U				0.051 U	0.05 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.053 U				0.051 U	0.05 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.053 U				0.051 U	0.05 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.053 U				0.051 U	0.05 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.53 U				0.51 U	0.5 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.3 U				5.1 U	5 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-3	MW25-3	MW25-3	MW25-3	MW25-4D	MW25-4D
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25003	25LM20001	25LM20002	25LM20011	MW25-4D	25200
Sample Date									4/10/1996	1/31/2006	1/31/2006	8/11/2006	11/15/1995	4/1/1996
QC Code									SA	DU	SA	SA	SA	DU
Study ID									RI	S25 LTM	S25 LTM	S25 LTM	RI	RI
Sampling Round									2	1	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	41.2				**142**	**95.8** J
Antimony	UG/L	36.3	11%	3	GA	3	5	44	1 U				2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	4 U				2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	44.6				106	100
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.1 U				0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U				0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44	128000				93500	98100
Chromium	UG/L	5.5	45%	50	GA	0	20	44	0.7 U				1.7	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	3.3				0.99 U	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44	1.5				0.7 U	0.94 U
Cyanide	UG/L	0	0%			0	0	44	5 U				5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	207 J	86 J	76.4 J	**3820**	**456**	5 UJ
Lead	UG/L	445	48%	15	MCL	1	21	44	1.9 U				2.6	**445**
Magnesium	UG/L	50100	98%			0	43	44	19300				31300	1.1 U
Manganese	UG/L	32100	100%	300	GA	15	44	44	**1450**				68.1	**32100**
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.2 U				0.02 U	**69.8**
Nickel	UG/L	11.5	61%	100	GA	0	27	44	6.2				0.99 U	0.1 U
Potassium	UG/L	9950	95%			0	42	44	1340 J				2160 J	1.7 U
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.4 U				3.7 U	**2030**
Silver	UG/L	0	0%	50	GA	0	0	44	1.3 U				0.8 U	3.4 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	11200	12300	12000	11300 J	13900 J	1.1 U
Thallium	UG/L	12000	7%	2	MCL	3	3	44	4.7 U				3 U	**12000**
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U				1.1 U	3.5 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	2.9				2.1	1.2 U
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20		2.1	2.3	1.5 J		1.1 U
Ethane	UG/L	0	0%			0	0	19		2 U	2 U	2 U		
Ethene	UG/L	0	0%			0	0	19		2 U	2 U	2 U		
Methane	UG/L	80	21%			0	4	19		2 U	2 U	2 U		
NITRATE	MG/L-N	0.32	21%			0	4	19		0.05 U	0.05 U	0.05 U		
NITRITE	MG/L-N	0.087	5%			0	1	19		0.05 U	0.05 U	0.05 U		
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19		39.9	39.8	44.9		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-4D	MW25-5D	MW25-5D	MW25-5D	MW25-6	MW25-6
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25006	MW25-50	MW25-5D	25004	MW25-6	25008
Sample Date									4/1/1996	11/19/1995	11/19/1995	4/11/1996	11/21/1995	3/31/1996
QC Code									SA	DU	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	ESI	RI
Sampling Round									2	1	1	2		2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20						
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47		10 U	10 U		10 UJ	
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27	0.5 UJ			0.5 U		0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27		10 U	10 U		10 UJ	
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27	0.5 UJ			0.5 U		0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	17	0.5 UJ			0.5 U		0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Acetone	UG/L	0	0%			0	0	55	5 UR	14 UJ	10 U	5 U	10 UJ	5 UJ
Benzene	UG/L	1000	19%	1	GA	11	12	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Bromoform	UG/L	6	2%	80	MCL	0	1	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37	0.5 UJ			0.5 U		0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Cyclohexane	UG/L	8.6	10%			0	2	20						
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37	0.5 UJ			0.5 U		0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	20						
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23						
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47		10 UJ	10 U		10 UJ	
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Methyl cyclohexane	UG/L	4.2	10%			0	2	20						
Methyl ethyl ketone	UG/L	130	2%			0	1	64	5 UJ	10 UJ	10 UJ	5 U	10 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	5 UJ	10 U	10 U	5 U	10 UJ	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Naphthalene	UG/L	0	0%			0	0	17	0.5 UJ			0.5 U		0.5 UJ
Propylbenzene	UG/L	0	0%	5	GA	0	0	27	0.5 UJ			0.5 U		0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Toluene	UG/L	1400	11%	5	GA	6	7	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-4D	MW25-5D	MW25-5D	MW25-5D	MW25-6	MW25-6
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									25006	MW25-50	MW25-5D	25004	MW25-6	25008
Sample Date									4/1/1996	11/19/1995	11/19/1995	4/11/1996	11/21/1995	3/31/1996
QC Code									SA	DU	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	ESI	RI
Sampling Round									2	1	1	2		2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37	0.5 UJ			0.5 U		0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	0.5 UJ	10 U	10 U	0.5 U	10 UJ	0.5 UJ
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27	0.5 UJ			0.5 U		0.5 UJ
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17	0.5 UJ			0.5 U		0.5 UJ
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18						
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	11 U	10 U	10 U	11 UJ	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U	10 U	10 U	11 UJ	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U	10 U	10 U	11 UJ	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U	10 U	10 U	11 UJ	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	11 U	10 U	10 U	11 UJ	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 UJ	11 UJ	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 U	11 U	10 UJ	10 U	11 UJ	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	11 U	10 U	10 U	11 UJ	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	25 UJ	27 U	26 U	25 U	27 UJ	25 UJ
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Acetophenone	UG/L	0	0%			0	0	18						
Anthracene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18						
Benzaldehyde	UG/L	0	0%			0	0	18						
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	11 U	10 U	10 U	11 UJ	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 UJ	11 U	10 U	10 U	11 UJ	10 UJ
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Caprolactam	UG/L	0	0%			0	0	18						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-4D	MW25-5D	MW25-5D	MW25-5D	MW25-6	MW25-6
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								25006	MW25-50	MW25-5D	25004	MW25-6	25008
Sample Date								4/1/1996	11/19/1995	11/19/1995	4/11/1996	11/21/1995	3/31/1996
QC Code								SA	DU	SA	SA	SA	SA
Study ID								RI	RI	RI	RI	ESI	RI
Sampling Round								2	1	1	2		2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 UJ	11 U	10 U	10 U	11 UJ	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	25 U	27 U	26 U	25 U	27 UJ	25 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U	11 UJ	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2 U	2.1 U	2.1 U	2.1 U	2 UJ	2.1 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U	1.1 U	1 U	1 UJ	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Endosulfan I	UG/L	0	0%			0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Endosulfan II	UG/L	0	0%			0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U	0.11 U	0.1 U	0.1 UJ	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.05 U	0.053 U	0.053 U	0.052 U	0.05 UJ	0.052 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.5 U	0.53 U	0.53 U	0.52 U	0.5 UJ	0.52 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5 U	5.3 U	5.3 U	5.2 U	5 UJ	5.2 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Parameter	Units	Maximum Value	Frequency of Detection	Criteria Level	Criteria Source[1]	Number of Exceedances	Number of Times Detected	Number of Samples Collected	SEAD-25 MW25-4D GW 25006 4/1/1996 SA RI 2	SEAD-25 MW25-5D GW MW25-50 11/19/1995 DU RI 1	SEAD-25 MW25-5D GW MW25-5D 11/19/1995 SA RI 1	SEAD-25 MW25-5D GW 25004 4/11/1996 SA RI 2	SEAD-25 MW25-6 GW MW25-6 11/21/1995 SA ESI	SEAD-25 MW25-6 GW 25008 3/31/1996 SA RI 2
									Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	**54.8** J	**149**	**149**	**64.2**	**162**	**529**
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.3 U	2.2 U	2.2 U	1 U	2.2 U	2.3 U
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	3.5 U	2.1 U	2.1 U	4 U	2.1 U	3.5 U
Barium	UG/L	192	100%	1000	GA	0	44	44	99.9	111	111	89	85.6	72.3
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.13 U	0.27 U	0.27 U	0.1 U	0.27 U	0.13 U
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.32 U	0.3 U	0.3 U	0.3 U	0.3 U	0.32 U
Calcium	UG/L	190000	100%			0	44	44	97600	130000	130000	120000	133000	118000
Chromium	UG/L	5.5	45%	50	GA	0	20	44	1.3 U	1.4	1.4	0.7 U	2.2	1.3 U
Cobalt	UG/L	7.9	36%			0	16	44	1.1 U	1.1 U	1.1	1.7	1.3	1.1 U
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.94 U	0.69 U	0.69 U	1 U	0.99	1.1
Cyanide	UG/L	0	0%			0	0	44	5 UJ	5 U	5 U	5 U	5 U	5 UJ
Iron	UG/L	5310	94%	300	GA	37	59	63	**377**	251	251	162 J	**308**	**623**
Lead	UG/L	445	48%	15	MCL	1	21	44	1.1 U	1.5	1.5	1.9 U	4.4	1.1 U
Magnesium	UG/L	50100	98%			0	43	44	31900	30500	30500	27300	35900	32900
Manganese	UG/L	32100	100%	300	GA	15	44	44	68.9	**927**	**927**	**1010**	56	22
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.1 U	0.02 U	0.02 U	0.2 U	0.02 U	0.1 U
Nickel	UG/L	11.5	61%	100	GA	0	27	44	1.7 U	3.1	3.1	3.7	2.6	1.7 U
Potassium	UG/L	9950	95%			0	42	44	1990	1430	1430 J	1070 J	1840 J	1420
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.4 U	3.7 U	3.7 U	3.4 U	3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	44	1.1 U	0.79 U	0.79 U	1.3 U	0.8 U	1.1 U
Sodium	UG/L	188000	98%	20000	GA	18	62	63	12000	15300 J	15300 J	11900	**20400** J	16500
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3.5 U	3 U	3 U	4.7 U	3 U	3.5 U
Vanadium	UG/L	5.4	18%			0	8	44	1.2 U	1.1 U	1.1 U	1.1 U	1.4	1.2 U
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	1.1 U	4.1	4.1	3.4 J	7.5	2.2
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20						
Ethane	UG/L	0	0%			0	0	19						
Ethene	UG/L	0	0%			0	0	19						
Methane	UG/L	80	21%			0	4	19						
NITRATE	MG/L-N	0.32	21%			0	4	19						
NITRITE	MG/L-N	0.087	5%			0	1	19						
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19						

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-7D	MW25-7D	MW25-8	MW25-8	MW25-8	MW25-8
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-7D	25009	MW25-8	25005	25LM20003	25LM20012
Sample Date									11/22/1995	3/31/1996	11/28/1995	4/11/1996	1/31/2006	8/11/2006
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20					1 U	1 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U		10 U		1 U	1 U
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17		0.5 UJ		0.5 U		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		0.5 U		1 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	10 U		10 U			
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		0.5 U		1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
2,2-Dichloropropane	UG/L	0	0%			0	0	17		0.5 UJ		0.5 U		
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
Acetone	UG/L	0	0%			0	0	55	10 UJ	5 UR	10 UJ	6 U	5 U	5 U
Benzene	UG/L	1000	19%	1	GA	11	12	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37		0.5 UJ		0.5 U	1 U	1 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Cyclohexane	UG/L	8.6	10%			0	2	20					1 U	1 U
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 UJ		0.5 U	1 UJ	1 U
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17		0.5 UJ		0.5 U		
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37		0.5 UJ		0.5 U	1 U	1 U
Methyl Acetate	UG/L	0	0%			0	0	20					1 U	1 U
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23					1 U	1 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 U		10 UJ		5 U	5 U
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Methyl cyclohexane	UG/L	4.2	10%			0	2	20					1 U	1 U
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 U	5 UJ	10 UJ	3 U	5 U	5 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	5 UJ	10 U	5 U	5 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Naphthalene	UG/L	0	0%			0	0	17		0.5 UJ		0.5 U		
Propylbenzene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		0.5 U		1 U
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-7D	MW25-7D	MW25-8	MW25-8	MW25-8	MW25-8
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-7D	25009	MW25-8	25005	25LM20003	25LM20012
Sample Date									11/22/1995	3/31/1996	11/28/1995	4/11/1996	1/31/2006	8/11/2006
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	10 U	0.5 UJ	10 U	0.5 U	3 U	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37		0.5 UJ		0.5 U	1 U	1 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37		0.5 UJ		0.5 U	1 UJ	1 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	0.5 UJ	10 U	0.5 U	1 U	1 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27		0.5 UJ		0.5 U		1 U
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17		0.5 UJ		0.5 U		
Semivolatile Organic Compounds														
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18					9 U	10 U
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	10 U	10 U	10 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	10 U	10 U	10 U		
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	26 U	26 U	9 U	10 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	10 U	10 U	10 U	9 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	10 U	10 U	10 U	9 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 U	10 U	10 U	10 U	19 U	20 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	10 U	10 U	10 U	9 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 UJ	26 U	26 UJ	47 U	49 U
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	10 U	10 U	10 U	0.5 J	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	10 U	10 U	10 U	2 J	10 U
Acetophenone	UG/L	0	0%			0	0	18					9 U	10 U
Anthracene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	1 J	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18					9 U	10 U
Benzaldehyde	UG/L	0	0%			0	0	18					47 U	49 U
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	10 U	10 U	10 U	0.6 J	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	10 U	10 U	10 U	9 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	17 UJ	10 U	10 UJ	9 U	10 U
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	10 U	10 U	10 U	9 U	10 U
Caprolactam	UG/L	0	0%			0	0	18					9 U	10 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-7D	MW25-7D	MW25-8	MW25-8	MW25-8	MW25-8
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								MW25-7D	25009	MW25-8	25005	25LM20003	25LM20012
Sample Date								11/22/1995	3/31/1996	11/28/1995	4/11/1996	1/31/2006	8/11/2006
QC Code								SA	SA	SA	SA	SA	SA
Study ID								RI	RI	RI	RI	S25 LTM	S25 LTM
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Carbazole	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	9 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	10 UJ	10 U	10 U	42 U	44 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	10 U	10 U	10 U	10 U	9 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	25 U	26 U	26 U	47 U	49 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	10 U	10 U	10 U	9 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	10 U	10 U	10 U	9 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	10 U	10 U	10 U	9 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.11 U	0.046 J	0.1 U	0.11 U		
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.2 U	2.1 U	2 U	2.1 U		
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1.1 U	1 U	1 U	1.1 U		
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Endosulfan I	UG/L	0	0%			0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Endosulfan II	UG/L	0	0%			0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Endrin	UG/L	0	0%	0	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.11 U	0.1 U	0.1 U	0.11 U		
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.055 U	0.052 U	0.05 U	0.053 U		
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.55 U	0.52 U	0.5 U	0.53 U		
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.5 U	5.2 U	5 U	5.3 U		
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	4						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4						
2,4-D	UG/L	0	0%	50	GA	0	0	4						
2,4-DB	UG/L	0	0%			0	0	4						

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-7D	MW25-7D	MW25-8	MW25-8	MW25-8	MW25-8
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									MW25-7D	25009	MW25-8	25005	25LM20003	25LM20012
Sample Date									11/22/1995	3/31/1996	11/28/1995	4/11/1996	1/31/2006	8/11/2006
QC Code									SA	SA	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)														
Dalapon	UG/L	0	0%	50	GA	0	0	4						
Dicamba	UG/L	0	0%	0.44	GA	0	0	4						
Dichloroprop	UG/L	0	0%			0	0	4						
Dinoseb	UG/L	0	0%	1	GA	0	0	4						
MCPA	UG/L	0	0%	0.44	GA	0	0	4						
MCPP	UG/L	0	0%			0	0	4						
Metals														
Metals														
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	**83.7**	**182** J	**361**	**97.3**		
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.2 U	2.3 U	2.2 U	1 U		
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	2.1 U	3.5 U	2.1 U	4 U		
Barium	UG/L	192	100%	1000	GA	0	44	44	192	188	33.9	32.5		
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.27 U	0.13 U	0.27 U	0.1 U		
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U	0.32 U	0.3 U	0.3 U		
Calcium	UG/L	190000	100%			0	44	44	123000	122000	96900	119000		
Chromium	UG/L	5.5	45%	50	GA	0	20	44	4.7	1.3 U	1.7	0.7 U		
Cobalt	UG/L	7.9	36%			0	16	44	0.99 U	1.1 U	1.6	0.9 U		
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.7 U	1.5	2.1	1		
Cyanide	UG/L	0	0%			0	0	44	5 U	5 UJ	5 U	5 U		
Iron	UG/L	5310	94%	300	GA	37	59	63	**392**	**561**	**396**	104 J	**329** J	**667**
Lead	UG/L	445	48%	15	MCL	1	21	44	5.6	1.1 U	5.4	1.9 U		
Magnesium	UG/L	50100	98%			0	43	44	44900	46500	15500	19300		
Manganese	UG/L	32100	100%	300	GA	15	44	44	96.5	106	56	71.1		
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.02 U	0.1 U	0.02 U	0.2 U		
Nickel	UG/L	11.5	61%	100	GA	0	27	44	5.2	1.7 U	2.1	1.6 U		
Potassium	UG/L	9950	95%			0	42	44	2170 J	2530	989	1360 J		
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.7 U	3.4 U	3.7 U	3.4 U		
Silver	UG/L	0	0%	50	GA	0	0	44	0.8 U	1.1 U	0.79 U	1.3 U		
Sodium	UG/L	188000	98%	20000	GA	18	62	63	18200 J	19000	3370 J	4800	5110	7060 J
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3 U	3.5 U	3 U	4.7 U		
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U	1.2 U	1.1 U	1.1 U		
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	5.1	3	8.8	2.5		
Other														
Chloride	MG/L	55.6	95%	250000	GA	0	19	20					1.4	0.73 J
Ethane	UG/L	0	0%			0	0	19					2 U	2 U
Ethene	UG/L	0	0%			0	0	19					2 U	2 U
Methane	UG/L	80	21%			0	4	19					2 U	2 U
NITRATE	MG/L-N	0.32	21%			0	4	19					0.05 U	0.13
NITRITE	MG/L-N	0.087	5%			0	1	19					0.05 U	0.05 U
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4						
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19					19.5	28.2

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-9	MW25-9	MW25-9	MW25-9
Matrix									GW	GW	GW	GW
Sample ID									MW25-9	25007	25LM20004	25LM20013
Sample Date									11/19/1995	4/13/1996	1/31/2006	8/9/2006
QC Code									SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	17				
1,1,1-Trichloroethane	UG/L	37	11%	5	GA	3	7	64	2 J	1 J	0.62 J	1 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	20			1 U	1 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	47	10 U	10 UJ	1 U	1 U
1,1-Dichloroethane	UG/L	8	6%	5	GA	1	4	64	2 J	10 UJ	1	1 U
1,1-Dichloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	10 UJ	1 U	1 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	17				
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	17				
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	17				
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	37			1 U	1 U
1,2,4-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	37			1 U	1 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	37			1 U	1 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37			1 U	1 U
1,2-Dichloroethane	UG/L	0.49	2%	0.6	GA	0	1	64	10 U	10 UJ	0.49 J	1 U
1,2-Dichloroethene (total)	UG/L	40	22%	5	GA	4	6	27	**6** J	1 J		
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	64	10 U	10 UJ	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37			1 U	1 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	37			1 U	1 U
2,2-Dichloropropane	UG/L	0	0%			0	0	17				
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				
Acetone	UG/L	0	0%			0	0	55	10 U	7 UJ	5 U	63 UJ
Benzene	UG/L	1000	19%	1	GA	11	12	64	**60**	**14** J	**33**	0.58 J
Bromobenzene	UG/L	0	0%	5	GA	0	0	17				
Bromochloromethane	UG/L	0	0%	5	GA	0	0	17				
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	64	10 U	10 UJ	1 U	1 U
Bromoform	UG/L	6	2%	80	MCL	0	1	64	10 U	10 UJ	1 U	1 U
Carbon disulfide	UG/L	0	0%			0	0	64	10 U	10 UJ	1 U	1 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
Chlorodibromomethane	UG/L	3	2%	80	MCL	0	1	64	10 U	10 UJ	1 U	1 U
Chloroethane	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 UJ
Chloroform	UG/L	17	3%	7	GA	2	2	64	10 U	10 UJ	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	2.8	3%	5	GA	0	1	37			2.8	1 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	10 UJ	1 U	1 U
Cyclohexane	UG/L	8.6	10%			0	2	20			8 J	1 U
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	37			1 UJ	1 U
Ethyl benzene	UG/L	520	17%	5	GA	7	11	64	**10**	3 J	**15**	1 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	17				
Isopropylbenzene	UG/L	2.6	3%	5	GA	0	1	37			2.6	1 U
Methyl Acetate	UG/L	0	0%			0	0	20			1 U	1 U
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	23			1 U	1 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
Methyl butyl ketone	UG/L	0	0%			0	0	47	10 U	10 UJ	5 U	5 U
Methyl chloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
Methyl cyclohexane	UG/L	4.2	10%			0	2	20			1.9 J	1 U
Methyl ethyl ketone	UG/L	130	2%			0	1	64	10 UJ	130 J	5 U	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	64	10 U	10 UJ	5 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	17				
Methylene chloride	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 UJ
Naphthalene	UG/L	0	0%			0	0	17				
Propylbenzene	UG/L	0	0%	5	GA	0	0	27				1 U
Styrene	UG/L	0	0%	5	GA	0	0	64	10 U	10 UJ	1 U	1 U
Tetrachloroethene	UG/L	1	2%	5	GA	0	1	64	10 U	10 UJ	1 U	1 U
Toluene	UG/L	1400	11%	5	GA	6	7	64	**22**	5 J	**14**	1 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-9	MW25-9	MW25-9	MW25-9
Matrix									GW	GW	GW	GW
Sample ID									MW25-9	25007	25LM20004	25LM20013
Sample Date									11/19/1995	4/13/1996	1/31/2006	8/9/2006
QC Code									SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)												
Total Xylenes	UG/L	3300	14%	5	GA	8	9	64	73	18 J	62	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	37			1 U	1 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	64	10 U	10 UJ	1 U	1 U
Trichloroethene	UG/L	10	5%	5	GA	2	3	64	10 U	10 UJ	0.53 J	1 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	37			1 UJ	1 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	64	10 U	10 UJ	1 U	1 U
n-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	17				
p-Isopropyltoluene	UG/L	0	0%	5	GA	0	0	27				1 U
sec-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				
tert-Butylbenzene	UG/L	0	0%	5	GA	0	0	17				
Semivolatile Organic Compounds												
1,1'-Biphenyl	UG/L	0	0%	5	GA	0	0	18			10 U	10 U
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	44	10 U	11 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	44	10 U	11 U		
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	4				
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	29 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	UG/L	86	5%	1		3	3	62	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	62	26 U	29 U	48 U	48 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
2-Methylnaphthalene	UG/L	69	5%			0	3	62	10 U	11 U	10 U	10 U
2-Methylphenol	UG/L	23	3%	1		2	2	62	10 U	11 U	10 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	29 U	48 U	48 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	10	2%	5	GA	1	1	62	10 UJ	11 U	19 U	19 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	29 U	48 U	48 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	62	26 U	29 U	48 U	48 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
4-Methylphenol	UG/L	42	3%	1		2	2	62	10 U	11 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	62	26 U	29 U	48 U	48 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	62	26 U	29 UJ	48 U	48 U
Acenaphthene	UG/L	0.5	2%			0	1	62	10 U	11 U	10 U	10 U
Acenaphthylene	UG/L	2	6%			0	4	62	10 U	11 U	1 J	10 U
Acetophenone	UG/L	0	0%			0	0	18			10 U	10 U
Anthracene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 U
Atrazine	UG/L	0	0%	7.5	GA	0	0	18			10 U	10 U
Benzaldehyde	UG/L	0	0%			0	0	18			48 U	48 U
Benzo(a)anthracene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	62	10 U	11 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0.6	2%			0	1	62	10 U	11 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	62	10 U	11 U	10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	58	10 U	11 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	11	2%	5	GA	1	1	62	10 U	11 UJ	10 U	10 U
Butylbenzylphthalate	UG/L	2	2%			0	1	62	10 U	11 U	10 U	10 U
Caprolactam	UG/L	0	0%			0	0	18			10 U	10 U

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID								MW25-9	MW25-9	MW25-9	MW25-9
Matrix								GW	GW	GW	GW
Sample ID								MW25-9	25007	25LM20004	25LM20013
Sample Date								11/19/1995	4/13/1996	1/31/2006	8/9/2006
QC Code								SA	SA	SA	SA
Study ID								RI	RI	S25 LTM	S25 LTM
Sampling Round								1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)												
Carbazole	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Chrysene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	62	10 U	11 U	10 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Dibenzofuran	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Fluoranthene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Fluorene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 UJ
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	62	10 U	11 U	10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	62	10 U	11 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	43 U	43 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	62	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Isophorone	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Naphthalene	UG/L	160	10%			0	6	62	2 J	1 J	2 J	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	62	10 U	11 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	62	26 U	29 U	48 U	48 U
Phenanthrene	UG/L	1	2%			0	1	62	10 U	11 U	10 U	10 U
Phenol	UG/L	56	2%	1	GA	1	1	62	10 U	11 U	10 U	10 U
Pyrene	UG/L	0	0%			0	0	62	10 U	11 U	10 U	10 U
Pesticides/PCBs												
4,4'-DDD	UG/L	0.046	2%	0.3	GA	0	1	44	0.1 U	0.11 U		
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U		
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	44	0.1 U	0.11 U		
Aldrin	UG/L	0	0%	0	GA	0	0	44	0.052 U	0.053 U		
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	44	0.052 U	0.053 U		
Alpha-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.053 U		
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	44	2.1 U	2.1 U		
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	44	1 U	1.1 U		
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.053 U		
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.053 U		
Dieldrin	UG/L	0	0%	0.004	GA	0	0	44	0.1 U	0.11 U		
Endosulfan I	UG/L	0	0%			0	0	44	0.052 U	0.053 U		
Endosulfan II	UG/L	0	0%			0	0	44	0.1 U	0.11 U		
Endosulfan sulfate	UG/L	0	0%			0	0	44	0.1 U	0.11 U		
Endrin	UG/L	0	0%	0	GA	0	0	44	0.1 U	0.11 U		
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U		
Endrin ketone	UG/L	0	0%	5	GA	0	0	44	0.1 U	0.11 U		
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	44	0.052 U	0.053 U		
Gamma-Chlordane	UG/L	0	0%			0	0	44	0.052 U	0.053 U		
Heptachlor	UG/L	0	0%	0.04	GA	0	0	44	0.052 U	0.053 U		
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	44	0.052 U	0.053 U		
Methoxychlor	UG/L	0	0%	35	GA	0	0	44	0.52 U	0.53 U		
Toxaphene	UG/L	0	0%	0.06	GA	0	0	44	5.2 U	5.3 U		
Herbicides												
2,4,5-T	UG/L	0	0%	35	GA	0	0	4				
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	4				
2,4-D	UG/L	0	0%	50	GA	0	0	4				
2,4-DB	UG/L	0	0%			0	0	4				

Table A-1
Complete Groundwater Data for SEAD-25
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-25	SEAD-25	SEAD-25	SEAD-25
Location ID									MW25-9	MW25-9	MW25-9	MW25-9
Matrix									GW	GW	GW	GW
Sample ID									MW25-9	25007	25LM20004	25LM20013
Sample Date									11/19/1995	4/13/1996	1/31/2006	8/9/2006
QC Code									SA	SA	SA	SA
Study ID									RI	RI	S25 LTM	S25 LTM
Sampling Round									1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)												
Dalapon	UG/L	0	0%	50	GA	0	0	4				
Dicamba	UG/L	0	0%	0.44	GA	0	0	4				
Dichloroprop	UG/L	0	0%			0	0	4				
Dinoseb	UG/L	0	0%	1	GA	0	0	4				
MCPA	UG/L	0	0%	0.44	GA	0	0	4				
MCPP	UG/L	0	0%			0	0	4				
Metals												
Metals												
Aluminum	UG/L	2260	91%	50	SEC	33	40	44	19.5	**485**		
Antimony	UG/L	36.3	11%	3	GA	3	5	44	2.2 U	1 U		
Arsenic	UG/L	8.9	16%	10	MCL	0	7	44	2.1 U	4 U		
Barium	UG/L	192	100%	1000	GA	0	44	44	46.8	38		
Beryllium	UG/L	0.31	5%	4	MCL	0	2	44	0.27 U	0.1 U		
Cadmium	UG/L	0.43	2%	5	GA	0	1	44	0.3 U	0.3 U		
Calcium	UG/L	190000	100%			0	44	44	105000	99900		
Chromium	UG/L	5.5	45%	50	GA	0	20	44	0.5 U	0.77		
Cobalt	UG/L	7.9	36%			0	16	44	2.5	2.4		
Copper	UG/L	4.4	45%	200	GA	0	20	44	0.69 U	1.7		
Cyanide	UG/L	0	0%			0	0	44	5 U	5 U		
Iron	UG/L	5310	94%	300	GA	37	59	63	181	**628** J	56.9 J	12 U
Lead	UG/L	445	48%	15	MCL	1	21	44	1.6	1.9 U		
Magnesium	UG/L	50100	98%			0	43	44	24100	22400		
Manganese	UG/L	32100	100%	300	GA	15	44	44	**764**	**548**		
Mercury	UG/L	69.8	9%	0.7	GA	1	4	44	0.02 U	0.2 U		
Nickel	UG/L	11.5	61%	100	GA	0	27	44	2.6	3.6		
Potassium	UG/L	9950	95%			0	42	44	2960 J	2370 J		
Selenium	UG/L	2030	7%	10	GA	1	3	44	3.7 U	3.4 U		
Silver	UG/L	0	0%	50	GA	0	0	44	0.79 U	1.3 U		
Sodium	UG/L	188000	98%	20000	GA	18	62	63	15800 J	11000	14500	16400 J
Thallium	UG/L	12000	7%	2	MCL	3	3	44	3 U	4.7 U		
Vanadium	UG/L	5.4	18%			0	8	44	1.1 U	1.1 U		
Zinc	UG/L	31.3	91%	5000	SEC	0	40	44	1.3	7.1 J		
Other												
Chloride	MG/L	55.6	95%	250000	GA	0	19	20			1.1	0.99 J
Ethane	UG/L	0	0%			0	0	19			2 U	2 U
Ethene	UG/L	0	0%			0	0	19			2 U	2 U
Methane	UG/L	80	21%			0	4	19			29	2 U
NITRATE	MG/L-N	0.32	21%			0	4	19			0.05 U	0.1
NITRITE	MG/L-N	0.087	5%			0	1	19			0.05 U	0.05 U
Nitrate/Nitrite	MG/L	0.17	75%			0	3	4				
Sulfate	MG/L	44.9	100%	250000	GA	0	19	19			21.8	25.3

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-1	MW26-1	MW26-1	MW26-1	MW26-1
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-1-1	MW26-1	26001	26LM20000	26LM20005
Sample Date									1/21/1994	11/13/1995	4/11/1996	1/30/2006	8/9/2006
QC Code									SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	S26 LTM	S26 LTM
Sampling Round												1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8				1 U	1 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	10 U	0.5 U		1 U	1 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22		0.5 U	0.5 U		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30		0.5 U	0.5 U	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29		0.5 U	0.5 U	1 U	1 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3	10 U				
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30		0.5 U	0.5 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11		0.5 U			
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
2,2-Dichloropropane	UG/L	0	0%			0	0	22		0.5 U	0.5 U		
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
Acetone	UG/L	5	4%			0	1	28	10 U	5 U	5 U	5 U	17 UJ
Benzene	UG/L	2	12%	1	GA	1	4	33	10 U	0.5 U	0.5 U	1 U	1 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Bromoform	UG/L	0	0%	80	MCL	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Carbon disulfide	UG/L	0	0%			0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Chloroethane	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 UJ
Chloroform	UG/L	0	0%	7	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Cyclohexane	UG/L	0	0%			0	0	8				1 U	1 U
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30		0.5 U	0.5 U	1 UJ	1 U
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	10 U	0.5 U	0.5 U	1 U	1 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22		0.5 U	0.5 U		
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30		0.5 U	0.5 U	1 U	1 U
Methyl Acetate	UG/L	0	0%			0	0	8				1 U	1 U
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8				1 U	1 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Methyl butyl ketone	UG/L	0	0%			0	0	22	10 U	5 U		5 U	5 U
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	10 U	0.5 U	0.5 U	1 U	1 U
Methyl cyclohexane	UG/L	0	0%			0	0	8				1 U	1 U
Methyl ethyl ketone	UG/L	0	0%			0	0	33	10 U	5 U	5 U	5 U	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	10 U	5 U	5 U	5 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 UJ
Naphthalene	UG/L	15	18%			0	4	22		0.5 U	0.5 U		
Propylbenzene	UG/L	6	10%	5	GA	1	3	30		0.5 U	0.5 U	1 U	1 U
Styrene	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Toluene	UG/L	0.4	3%	5	GA	0	1	33	10 U	0.5 U	0.5 U	1 U	1 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-1	MW26-1	MW26-1	MW26-1	MW26-1
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-1-1	MW26-1	26001	26LM20000	26LM20005
Sample Date									1/21/1994	11/13/1995	4/11/1996	1/30/2006	8/9/2006
QC Code									SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	S26 LTM	S26 LTM
Sampling Round												1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)													
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	10 U	0.5 U	0.5 U	3 U	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30		0.5 U	0.5 U	1 U	1 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30		0.5 U	0.5 U	1 UJ	1 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	10 U	0.5 U	0.5 U	1 U	1 U
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22		0.5 U	0.5 U		
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22		0.5 U	0.5 U		
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30		0.5 U	0.5 U	1 U	1 U
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22		0.5 U	0.5 U		
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22		0.5 U	0.5 U		
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	12 U		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	12 U		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	12 U		
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3	10 U				
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	27 U	29 U		
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	12 U		
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
2,4-Dimethylphenol	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
2,4-Dinitrophenol	UG/L	0	0%			0	0	25	25 U	27 U	29 U		
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
2-Chloronaphthalene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
2-Chlorophenol	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
2-Methylnaphthalene	UG/L	10	8%			0	2	25	10 U	11 U	12 U		
2-Methylphenol	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	27 U	29 U		
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	12 U		
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	27 U	29 U		
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25	25 U	27 U	29 U		
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	12 U		
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
4-Methylphenol	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	27 U	29 U		
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	25 U	27 U	29 U		
Acenaphthene	UG/L	11	12%			0	3	25	10 U	11 J	12 U		
Acenaphthylene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Anthracene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Benzo(a)anthracene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25	10 U	11 U	12 U		
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Benzo(ghi)perylene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	12 U		
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22		11 U	12 U		
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25	10 U	2 U	12 U		
Butylbenzylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Carbazole	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Chrysene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25	10 U	11 U	12 U		
Di-n-octylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-1	MW26-1	MW26-1	MW26-1	MW26-1
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-1-1	MW26-1	26001	26LM20000	26LM20005
Sample Date								1/21/1994	11/13/1995	4/11/1996	1/30/2006	8/9/2006
QC Code								SA	SA	SA	SA	SA
Study ID								ESI	ESI	RI	S26 LTM	S26 LTM
Sampling Round											1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)													
Dibenzofuran	UG/L	3	8%			0	2	25	10 U	11 U	12 U		
Diethyl phthalate	UG/L	0.6	8%			0	2	25	0.6 J	11 U	12 U		
Dimethylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Fluorene	UG/L	5	8%			0	2	25	10 U	11 U	12 U		
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25	10 U	11 U	12 U		
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25	10 U	11 U	12 U		
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	12 U		
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Isophorone	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Naphthalene	UG/L	14	8%			0	2	25	10 U	11 U	12 U		
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25	10 U	11 U	12 U		
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	27 U	29 UJ		
Phenanthrene	UG/L	4	8%			0	2	25	10 U	11 U	12 U		
Phenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	12 U		
Pyrene	UG/L	0	0%			0	0	25	10 U	11 U	12 U		
Pesticides/PCBs													
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
Aldrin	UG/L	0	0%	0	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Alpha-Chlordane	UG/L	0	0%			0	0	25	0.062 UJ	0.054 U	0.052 U		
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25	2.5 UJ	2.2 U	2.1 U		
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25	1.2 UJ	1.1 U	1 U		
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
Endosulfan I	UG/L	0	0%			0	0	25	0.062 UJ	0.054 U	0.052 U		
Endosulfan II	UG/L	0.088	4%			0	1	25	0.12 UJ	0.11 U	0.088 J		
Endosulfan sulfate	UG/L	0	0%			0	0	25	0.12 UJ	0.11 U	0.1 U		
Endrin	UG/L	0	0%	0	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
Endrin ketone	UG/L	0	0%	5	GA	0	0	25	0.12 UJ	0.11 U	0.1 U		
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Gamma-Chlordane	UG/L	0	0%			0	0	25	0.062 UJ	0.054 U	0.052 U		
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25	0.062 UJ	0.054 U	0.03 J		
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25	0.062 UJ	0.054 U	0.052 U		
Methoxychlor	UG/L	0	0%	35	GA	0	0	25	0.62 UJ	0.54 U	0.52 U		
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25	6.2 UJ	5.4 U	5.2 U		
Herbicides													
2,4,5-T	UG/L	0	0%	35	GA	0	0	3	0.12 U				
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3	0.12 U				
2,4-D	UG/L	0	0%	50	GA	0	0	3	1.2 U				
2,4-DB	UG/L	0	0%			0	0	3	1.2 U				
Dalapon	UG/L	0	0%	50	GA	0	0	3	2.7 U				
Dicamba	UG/L	0	0%	0.44	GA	0	0	3	0.12 U				
Dichloroprop	UG/L	0	0%			0	0	3	1.2 U				
Dinoseb	UG/L	0	0%	1	GA	0	0	3	0.58 U				

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-1	MW26-1	MW26-1	MW26-1	MW26-1
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-1-1	MW26-1	26001	26LM20000	26LM20005
Sample Date									1/21/1994	11/13/1995	4/11/1996	1/30/2006	8/9/2006
QC Code									SA	SA	SA	SA	SA
Study ID									ESI	ESI	RI	S26 LTM	S26 LTM
Sampling Round												1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)													
MCPA	UG/L	0	0%	0.44	GA	0	0	3	120 U				
MCPP	UG/L	0	0%			0	0	3	120 U				
Metals													
Aluminum	UG/L	73300	88%	50	SEC	17	22	25	**188** J	**457**	38.7		
Antimony	UG/L	1.4	4%	3	GA	0	1	25	21.5 U	2.2 U	1.4		
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25	0.8 U	2.1 U	4 U		
Barium	UG/L	399	100%	1000	GA	0	25	25	31.9 J	33.2	29.9		
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25	0.4 U	0.27 U	0.1 U		
Cadmium	UG/L	0	0%	5	GA	0	0	25	2.1 U	0.3 U	0.3 U		
Calcium	UG/L	311000	100%			0	25	25	115000	121000	110000		
Chromium	UG/L	122	40%	50	GA	1	10	25	2.6 U	4.7	0.73		
Cobalt	UG/L	62.2	48%			0	12	25	4.4 U	1.1	0.9 U		
Copper	UG/L	92	60%	200	GA	0	15	25	3.1 U	5.7	1 U		
Cyanide	UG/L	0	0%			0	0	25	5 U	5 U	5 U		
Iron	UG/L	145000	96%	300	GA	12	24	25	286	**867**	58.4 J		
Lead	UG/L	32.9	24%	15	MCL	1	6	25	0.5 U	7.8	1.9 U		
Magnesium	UG/L	60900	100%			0	25	25	16700	16600	15500		
Manganese	UG/L	5780	100%	300	GA	17	25	25	**529**	27.5	2.5		
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25	0.05 J	0.02 U	0.2 U		
Nickel	UG/L	163	68%	100	GA	1	17	25	4 U	6.2	1.6 U		
Potassium	UG/L	108000	100%			0	25	25	10200	3620	3860 J		
Selenium	UG/L	2	8%	10	GA	0	2	25	0.7 U	3.7 U	3.4 U		
Silver	UG/L	0	0%	50	GA	0	0	25	4.2 U	0.8 U	1.3 U		
Sodium	UG/L	34800	100%	20000	GA	5	25	25	**30300**	**24600**	**34800**		
Thallium	UG/L	7.6	36%	2	MCL	9	9	25	1.2 U	**4.3**	4.7 U		
Vanadium	UG/L	110	20%			0	5	25	3.7 U	1.3 J	1.1 U		
Zinc	UG/L	355	100%	5000	SEC	0	25	25	26.7	20.5	3.1 J		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-10	MW26-10	MW26-11	MW26-11	MW26-3
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-10	26012	MW26-11	26013	MW26-3-1
Sample Date								11/16/1995	3/27/1996	11/16/1995	4/12/1996	1/22/1994
QC Code								SA	SA	SA	SA	SA
Study ID								RI	RI	RI	RI	ESI
Sampling Round								1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8					
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	0.5 UJ		0.5 UJ		10 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3					10 U
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11	0.5 UJ		0.5 UJ		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
2,2-Dichloropropane	UG/L	0	0%			0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Acetone	UG/L	5	4%			0	1	28	5 UJ	5 UJ	5 UJ	5 U	10 U
Benzene	UG/L	2	12%	1	GA	1	4	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Bromoform	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Carbon disulfide	UG/L	0	0%			0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Chloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Chloroform	UG/L	0	0%	7	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Cyclohexane	UG/L	0	0%			0	0	8					
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Methyl Acetate	UG/L	0	0%			0	0	8					
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8					NA
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Methyl butyl ketone	UG/L	0	0%			0	0	22	5 UJ		5 UJ		10 U
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Methyl cyclohexane	UG/L	0	0%			0	0	8					
Methyl ethyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 UJ	5 UJ	5 U	10 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 UJ	5 UJ	5 U	10 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Naphthalene	UG/L	15	18%			0	4	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Propylbenzene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Styrene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Toluene	UG/L	0.4	3%	5	GA	0	1	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-10	MW26-10	MW26-11	MW26-11	MW26-3
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-10	26012	MW26-11	26013	MW26-3-1
Sample Date									11/16/1995	3/27/1996	11/16/1995	4/12/1996	1/22/1994
QC Code									SA	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	ESI
Sampling Round									1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)													
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	10 U
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3					10 U
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	27 U	30 U	26 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	25	27 U	25 U	27 U	30 U	26 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	25	11 U	10 UJ	11 U	12 U	10 U
2-Chlorophenol	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
2-Methylnaphthalene	UG/L	10	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
2-Methylphenol	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 U	27 U	30 U	26 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25	11 UJ	10 U	11 UJ	12 U	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 U	27 U	30 U	26 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	27 U	30 U	26 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
4-Methylphenol	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 UJ	27 U	30 U	26 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	27 UJ	25 UJ	27 UJ	30 U	26 U
Acenaphthene	UG/L	11	12%			0	3	25	11 U	10 U	11 U	12 U	10 U
Acenaphthylene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Anthracene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Benzo(a)anthracene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25	11 U	10 U	11 UJ	12 U	10 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25	11 UJ	10 U	11 U	12 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22	11 U	10 U	11 U	12 U	
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25	11 U	10 UJ	11 U	10 U	10 U
Butylbenzylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Carbazole	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Chrysene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-10	MW26-10	MW26-11	MW26-11	MW26-3
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-10	26012	MW26-11	26013	MW26-3-1
Sample Date								11/16/1995	3/27/1996	11/16/1995	4/12/1996	1/22/1994
QC Code								SA	SA	SA	SA	SA
Study ID								RI	RI	RI	RI	ESI
Sampling Round								1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)													
Dibenzofuran	UG/L	3	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
Diethyl phthalate	UG/L	0.6	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Fluoranthene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Fluorene	UG/L	5	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25	11 U	10 UJ	11 U	12 U	10 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Isophorone	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Naphthalene	UG/L	14	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	27 U	30 UJ	26 U
Phenanthrene	UG/L	4	8%			0	2	25	11 U	10 U	11 U	12 U	10 U
Phenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	11 U	12 U	10 U
Pyrene	UG/L	0	0%			0	0	25	11 U	10 U	11 U	12 U	10 U
Pesticides/PCBs													
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Aldrin	UG/L	0	0%	0	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Alpha-Chlordane	UG/L	0	0%			0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25	2.2 U	2 U	2.1 U	2.3 U	2.2 UJ
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1 U	1.2 U	1.1 UJ
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Endosulfan I	UG/L	0	0%			0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Endosulfan II	UG/L	0.088	4%			0	1	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Endosulfan sulfate	UG/L	0	0%			0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Endrin	UG/L	0	0%	0	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Endrin ketone	UG/L	0	0%	5	GA	0	0	25	0.11 U	0.1 U	0.1 U	0.12 U	0.11 UJ
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Gamma-Chlordane	UG/L	0	0%			0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25	0.054 U	0.05 U	0.052 U	0.058 U	0.054 UJ
Methoxychlor	UG/L	0	0%	35	GA	0	0	25	0.54 U	0.5 U	0.52 U	0.58 U	0.54 UJ
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25	5.4 U	5 U	5.2 U	5.8 U	5.4 UJ
Herbicides													
2,4,5-T	UG/L	0	0%	35	GA	0	0	3					0.11 U
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3					0.11 U
2,4-D	UG/L	0	0%	50	GA	0	0	3					1.1 U
2,4-DB	UG/L	0	0%			0	0	3					1.1 U
Dalapon	UG/L	0	0%	50	GA	0	0	3					2.5 U
Dicamba	UG/L	0	0%	0.44	GA	0	0	3					0.11 U
Dichloroprop	UG/L	0	0%			0	0	3					1.1 U
Dinoseb	UG/L	0	0%	1	GA	0	0	3					0.53 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-10	MW26-10	MW26-11	MW26-11	MW26-3
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-10	26012	MW26-11	26013	MW26-3-1
Sample Date									11/16/1995	3/27/1996	11/16/1995	4/12/1996	1/22/1994
QC Code									SA	SA	SA	SA	SA
Study ID									RI	RI	RI	RI	ESI
Sampling Round									1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)													
MCPA	UG/L	0	0%	0.44	GA	0	0	3					110 U
MCPP	UG/L	0	0%			0	0	3					110 U
Metals													
Aluminum	UG/L	73300	88%	50	SEC	17	22	25	**125**	**92.9**	**144**	**291**	**665**
Antimony	UG/L	1.4	4%	3	GA	0	1	25	2.2 U	2.3 U	2.2 U	1 U	21.6 U
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25	2.1 U	3.6 U	2.1 U	5.7	1.3 J
Barium	UG/L	399	100%	1000	GA	0	25	25	103	96.1	86.5	86.6	83.8 J
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25	0.27 U	0.2 U	0.27 U	0.1 U	0.4 U
Cadmium	UG/L	0	0%	5	GA	0	0	25	0.3 U	0.4 U	0.3 U	0.3 U	2.1 U
Calcium	UG/L	311000	100%			0	25	25	299000	311000	116000	106000	194000
Chromium	UG/L	122	40%	50	GA	1	10	25	0.5 U	1.4 U	0.82	1.1	2.6 U
Cobalt	UG/L	62.2	48%			0	12	25	1.4	1.1 U	4	5.4	4.4 J
Copper	UG/L	92	60%	200	GA	0	15	25	1.2	1.4	1.3	1.8	3.1 U
Cyanide	UG/L	0	0%			0	0	25	5 U	5 UJ	5 U	5 U	5 U
Iron	UG/L	145000	96%	300	GA	12	24	25	202	217	**1580**	**3540** J	**858**
Lead	UG/L	32.9	24%	15	MCL	1	6	25	1.5 U	1.1 U	1.5 U	1.9 U	0.61 J
Magnesium	UG/L	60900	100%			0	25	25	39000	43500	28700	29700	36500
Manganese	UG/L	5780	100%	300	GA	17	25	25	**947**	**603**	**5780**	**5290**	**4280**
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25	0.02 U	0.1 U	0.02 U	0.2 U	0.04 U
Nickel	UG/L	163	68%	100	GA	1	17	25	3.6	2.6	7.1	5.7	4.7 J
Potassium	UG/L	108000	100%			0	25	25	33600	25800	82000	86800 J	4480 J
Selenium	UG/L	2	8%	10	GA	0	2	25	3.7 U	3.5 U	3.7 U	3.4 U	0.85 J
Silver	UG/L	0	0%	50	GA	0	0	25	0.8 U	1.2 U	0.79 U	1.3 U	4.2 U
Sodium	UG/L	34800	100%	20000	GA	5	25	25	**30300**	**31800**	3680	3430	11600
Thallium	UG/L	7.6	36%	2	MCL	9	9	25	**4**	3.6 U	3 U	4.7 U	1.2 U
Vanadium	UG/L	110	20%			0	5	25	1.1 U	1.3 U	1.1 U	1.1 U	3.7 U
Zinc	UG/L	355	100%	5000	SEC	0	25	25	3.7	2.8	5.1	7 J	13.9 J

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-3	MW26-3	MW26-3	MW26-3	MW26-4
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-3	26003	26LM20002	26LM20007	MW26-4-1
Sample Date								11/5/1995	4/9/1996	1/24/2006	8/8/2006	1/22/1994
QC Code								SA	SA	SA	SA	SA
Study ID								RI	RI	S26 LTM	S26 LTM	ESI
Sampling Round								1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8			1 UJ	1 U	
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	0.5 UJ		1 U	1 U	10 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22	0.5 UJ	0.5 UJ			
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29	0.5 UJ	0.5 UJ	1 U	1 U	
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3					10 U
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11	0.5 UJ				
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
2,2-Dichloropropane	UG/L	0	0%			0	0	22	0.5 UJ	0.5 UJ			
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
Acetone	UG/L	5	4%			0	1	28	5 UJ	5 UJ	5 U	5 U	10 U
Benzene	UG/L	2	12%	1	GA	1	4	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Bromoform	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Carbon disulfide	UG/L	0	0%			0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Chloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 UJ	10 U
Chloroform	UG/L	0	0%	7	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Cyclohexane	UG/L	0	0%			0	0	8			1 UJ	1 U	
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22	0.5 UJ	0.5 UJ			
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30	0.5 UJ	0.5 UJ	1 U	1 U	
Methyl Acetate	UG/L	0	0%			0	0	8			1 U	1 U	
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8			1 U	1 U	NA
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Methyl butyl ketone	UG/L	0	0%			0	0	22	5 UJ		5 U	5 U	10 U
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Methyl cyclohexane	UG/L	0	0%			0	0	8			1 U	1 U	
Methyl ethyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 UJ	5 U	5 UJ	10 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 UJ	5 U	5 U	10 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 UJ	10 U
Naphthalene	UG/L	15	18%			0	4	22	0.5 UJ	0.5 UJ			
Propylbenzene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	1 U	1 U	
Styrene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Toluene	UG/L	0.4	3%	5	GA	0	1	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-3	MW26-3	MW26-3	MW26-3	MW26-4
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-3	26003	26LM20002	26LM20007	MW26-4-1
Sample Date									11/5/1995	4/9/1996	1/24/2006	8/8/2006	1/22/1994
QC Code									SA	SA	SA	SA	SA
Study ID									RI	RI	S26 LTM	S26 LTM	ESI
Sampling Round									1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)													
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	0.5 UJ	0.5 UJ	3 U	3 U	10 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 UJ	1 U	1 U	
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	0.5 UJ	0.5 UJ	1 U	1 U	10 U
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22	0.5 UJ	0.5 UJ			
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 UJ			
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 UJ	1 U	1 U	
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22	0.5 UJ	0.5 UJ			
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22	0.5 UJ	0.5 UJ			
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	10 U			11 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	10 U			11 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	10 U			11 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3					11 U
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	25 U			27 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	10 U	10 U			11 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	25	10 U	10 U			11 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	25	25 U	25 U			27 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
2-Chloronaphthalene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
2-Chlorophenol	UG/L	0	0%			0	0	25	10 U	10 U			11 U
2-Methylnaphthalene	UG/L	10	8%			0	2	25	10 U	10 U			11 U
2-Methylphenol	UG/L	0	0%			0	0	25	10 U	10 U			11 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	25 U			27 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	10 U	10 U			11 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	25 U			27 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25	25 U	25 U			27 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	10 U			11 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25	10 U	10 U			11 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	10 U			11 U
4-Methylphenol	UG/L	0	0%			0	0	25	10 U	10 U			11 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	25 U			27 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	25 U	25 U			27 U
Acenaphthene	UG/L	11	12%			0	3	25	10 U	10 U			11 U
Acenaphthylene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Anthracene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Benzo(a)anthracene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25	10 U	10 U			11 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25	10 U	10 U			11 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22	10 U	10 U			
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25	10 U	10 UJ			11 U
Butylbenzylphthalate	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Carbazole	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Chrysene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25	10 U	10 U			11 U
Di-n-octylphthalate	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25	10 U	10 U			11 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-3	MW26-3	MW26-3	MW26-3	MW26-4
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-3	26003	26LM20002	26LM20007	MW26-4-1
Sample Date								11/5/1995	4/9/1996	1/24/2006	8/8/2006	1/22/1994
QC Code								SA	SA	SA	SA	SA
Study ID								RI	RI	S26 LTM	S26 LTM	ESI
Sampling Round								1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)													
Dibenzofuran	UG/L	3	8%			0	2	25	10 U	10 U			11 U
Diethyl phthalate	UG/L	0.6	8%			0	2	25	10 U	10 U			0.5 J
Dimethylphthalate	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Fluoranthene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Fluorene	UG/L	5	8%			0	2	25	10 U	10 U			11 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25	10 U	10 U			11 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25	10 U	10 U			11 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25	10 U	10 UJ			11 U
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25	10 U	10 U			11 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Isophorone	UG/L	0	0%			0	0	25	10 U	10 U			11 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25	10 U	10 U			11 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Naphthalene	UG/L	14	8%			0	2	25	10 U	10 U			11 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25	10 U	10 U			11 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	25 U			27 U
Phenanthrene	UG/L	4	8%			0	2	25	10 U	10 U			11 U
Phenol	UG/L	0	0%	1	GA	0	0	25	10 U	10 U			11 U
Pyrene	UG/L	0	0%			0	0	25	10 U	10 U			11 U
Pesticides/PCBs													
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
Aldrin	UG/L	0	0%	0	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Alpha-Chlordane	UG/L	0	0%			0	0	25	0.051 U	0.052 U			0.055 UJ
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25	2 U	2.1 U			2.2 UJ
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U			1.1 UJ
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
Endosulfan I	UG/L	0	0%			0	0	25	0.051 U	0.052 U			0.055 UJ
Endosulfan II	UG/L	0.088	4%			0	1	25	0.1 U	0.1 U			0.11 UJ
Endosulfan sulfate	UG/L	0	0%			0	0	25	0.1 U	0.1 U			0.11 UJ
Endrin	UG/L	0	0%	0	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
Endrin ketone	UG/L	0	0%	5	GA	0	0	25	0.1 U	0.1 U			0.11 UJ
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Gamma-Chlordane	UG/L	0	0%			0	0	25	0.051 U	0.052 U			0.055 UJ
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25	0.051 U	0.052 U			0.055 UJ
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25	0.051 U	0.052 U			0.055 UJ
Methoxychlor	UG/L	0	0%	35	GA	0	0	25	0.51 U	0.52 U			0.55 UJ
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25	5.1 U	5.2 U			5.5 UJ
Herbicides													
2,4,5-T	UG/L	0	0%	35	GA	0	0	3					0.12 U
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3					0.12 U
2,4-D	UG/L	0	0%	50	GA	0	0	3					1.2 U
2,4-DB	UG/L	0	0%			0	0	3					1.2 U
Dalapon	UG/L	0	0%	50	GA	0	0	3					2.7 U
Dicamba	UG/L	0	0%	0.44	GA	0	0	3					0.12 U
Dichloroprop	UG/L	0	0%			0	0	3					1.2 U
Dinoseb	UG/L	0	0%	1	GA	0	0	3					0.58 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-3	MW26-3	MW26-3	MW26-3	MW26-4
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-3	26003	26LM20002	26LM20007	MW26-4-1
Sample Date									11/5/1995	4/9/1996	1/24/2006	8/8/2006	1/22/1994
QC Code									SA	SA	SA	SA	SA
Study ID									RI	RI	S26 LTM	S26 LTM	ESI
Sampling Round									1	2	1	2	
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)													
MCPA	UG/L	0	0%	0.44	GA	0	0	3					120 U
MCPP	UG/L	0	0%			0	0	3					120 U
Metals													
Aluminum	UG/L	73300	88%	50	SEC	17	22	25	**342**	**121**			**73300**
Antimony	UG/L	1.4	4%	3	GA	0	1	25	2.2 U	1 U			21.5 U
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25	2.1 U	4 U			**32.6**
Barium	UG/L	399	100%	1000	GA	0	25	25	76.3	69.8			399
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25	0.27 U	0.1 U			3.4 J
Cadmium	UG/L	0	0%	5	GA	0	0	25	0.3 U	0.3 U			2.1 U
Calcium	UG/L	311000	100%			0	25	25	184000	183000			199000
Chromium	UG/L	122	40%	50	GA	1	10	25	4	0.7 U			**122**
Cobalt	UG/L	62.2	48%			0	12	25	1 U	0.9 U			62.2
Copper	UG/L	92	60%	200	GA	0	15	25	2.3	1 U			92
Cyanide	UG/L	0	0%			0	0	25	5 U	5 U			5 U
Iron	UG/L	145000	96%	300	GA	12	24	25	**554**	169 J			**145000**
Lead	UG/L	32.9	24%	15	MCL	1	6	25	2.3 J	1.9 U			**32.9**
Magnesium	UG/L	60900	100%			0	25	25	33600	33600			60900
Manganese	UG/L	5780	100%	300	GA	17	25	25	**3540**	**2100**			**2770**
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25	0.02 U	0.2 U			0.14 J
Nickel	UG/L	163	68%	100	GA	1	17	25	21.8	2.7			**163**
Potassium	UG/L	108000	100%			0	25	25	3370	3020 J			108000
Selenium	UG/L	2	8%	10	GA	0	2	25	3.7 U	3.4 U			2 J
Silver	UG/L	0	0%	50	GA	0	0	25	0.8 U	1.3 U			4.2 U
Sodium	UG/L	34800	100%	20000	GA	5	25	25	9960	9170			14600
Thallium	UG/L	7.6	36%	2	MCL	9	9	25	**3.3**	4.7 U			1.2 U
Vanadium	UG/L	110	20%			0	5	25	1.1 U	1.1 U			110
Zinc	UG/L	355	100%	5000	SEC	0	25	25	7.3 J	2.3			355

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-4	MW26-4	MW26-4	MW26-4	MW26-4
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-4	26004	26006	26LM20003	26LM20008
Sample Date									11/8/1995	4/9/1996	4/9/1996	1/25/2006	8/8/2006
QC Code									SA	DU	SA	SA	SA
Study ID									RI	RI	RI	S26 LTM	S26 LTM
Sampling Round									1	2	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8				1 UJ	1 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	0.5 U			1 U	1 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3					
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11	0.5 U				
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
2,2-Dichloropropane	UG/L	0	0%			0	0	22	0.5 U	0.5 UJ	0.5 UJ		
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
Acetone	UG/L	5	4%			0	1	28	5 U	5 UJ	5 UJ	5 U	5 U
Benzene	UG/L	2	12%	1	GA	1	4	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Bromobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Bromoform	UG/L	0	0%	80	MCL	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Carbon disulfide	UG/L	0	0%			0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Chloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 UJ
Chloroform	UG/L	0	0%	7	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Cyclohexane	UG/L	0	0%			0	0	8				1 UJ	1 U
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Methyl Acetate	UG/L	0	0%			0	0	8				1 U	1 U
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8				1 U	1 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Methyl butyl ketone	UG/L	0	0%			0	0	22	5 U			5 U	5 U
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Methyl cyclohexane	UG/L	0	0%			0	0	8				1 U	1 U
Methyl ethyl ketone	UG/L	0	0%			0	0	33	5 U	5 UJ	5 UJ	5 U	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	5 U	5 UJ	5 UJ	5 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 UJ
Naphthalene	UG/L	15	18%			0	4	22	0.5 U	0.5 UJ	0.5 UJ		
Propylbenzene	UG/L	6	10%	5	GA	1	3	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Styrene	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Toluene	UG/L	0.4	3%	5	GA	0	1	33	0.5 U	0.4 J	0.4 UJ	1 U	1 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-4	MW26-4	MW26-4	MW26-4	MW26-4
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-4	26004	26006	26LM20003	26LM20008
Sample Date									11/8/1995	4/9/1996	4/9/1996	1/25/2006	8/8/2006
QC Code									SA	DU	SA	SA	SA
Study ID									RI	RI	RI	S26 LTM	S26 LTM
Sampling Round									1	2	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)													
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	0.5 U	0.5 UJ	0.5 UJ	3 U	3 U
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22	0.5 U	0.5 UJ	0.5 UJ		
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 U	0.5 UJ	0.5 UJ		
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30	0.5 U	0.5 UJ	0.5 UJ	1 U	1 U
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22	0.5 U	0.5 UJ	0.5 UJ		
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22	0.5 U	0.5 UJ	0.5 UJ		
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	10 U		
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	10 U		
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	11 U	10 U	10 U		
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3					
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	25 U		
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	10 U		
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
2,4-Dimethylphenol	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
2,4-Dinitrophenol	UG/L	0	0%			0	0	25	27 U	25 U	25 U		
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
2-Chloronaphthalene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
2-Chlorophenol	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
2-Methylnaphthalene	UG/L	10	8%			0	2	25	11 U	10 U	10 U		
2-Methylphenol	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 U	25 U		
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	10 U		
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 U	25 U		
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	25 U		
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	10 U		
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
4-Methylphenol	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	27 U	25 U	25 U		
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	25 U		
Acenaphthene	UG/L	11	12%			0	3	25	11 U	10 U	10 U		
Acenaphthylene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Anthracene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Benzo(a)anthracene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25	11 U	10 U	10 U		
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Benzo(ghi)perylene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	10 U		
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22	11 U	10 U	10 U		
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25	11 U	10 UJ	10 UJ		
Butylbenzylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Carbazole	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Chrysene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25	11 U	10 U	10 U		
Di-n-octylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-4	MW26-4	MW26-4	MW26-4	MW26-4
Matrix								GW	GW	GW	GW	GW
Sample ID								MW26-4	26004	26006	26LM20003	26LM20008
Sample Date								11/8/1995	4/9/1996	4/9/1996	1/25/2006	8/8/2006
QC Code								SA	DU	SA	SA	SA
Study ID								RI	RI	RI	S26 LTM	S26 LTM
Sampling Round								1	2	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)													
Dibenzofuran	UG/L	3	8%			0	2	25	11 U	10 U	10 U		
Diethyl phthalate	UG/L	0.6	8%			0	2	25	11 U	10 U	10 U		
Dimethylphthalate	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Fluoranthene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Fluorene	UG/L	5	8%			0	2	25	11 U	10 U	10 U		
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25	11 U	10 U	10 U		
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25	11 U	10 U	10 U		
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25	11 U	10 UJ	10 UJ		
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25	11 U	10 U	10 U		
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Isophorone	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Naphthalene	UG/L	14	8%			0	2	25	11 U	10 U	10 U		
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25	11 U	10 U	10 U		
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25	27 U	25 U	25 U		
Phenanthrene	UG/L	4	8%			0	2	25	11 U	10 U	10 U		
Phenol	UG/L	0	0%	1	GA	0	0	25	11 U	10 U	10 U		
Pyrene	UG/L	0	0%			0	0	25	11 U	10 U	10 U		
Pesticides/PCBs													
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25	0.11 U	0.1 U	0.11 U		
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25	0.11 U	0.1 U	0.11 U		
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25	0.11 U	0.1 U	0.11 U		
Aldrin	UG/L	0	0%	0	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Alpha-Chlordane	UG/L	0	0%			0	0	25	0.053 U	0.052 U	0.055 U		
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25	2.1 U	2.1 U	2.2 U		
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25	1.1 U	1 U	1.1 U		
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25	0.11 U	0.1 U	0.11 U		
Endosulfan I	UG/L	0	0%			0	0	25	0.053 U	0.052 U	0.055 U		
Endosulfan II	UG/L	0.088	4%			0	1	25	0.11 U	0.1 U	0.11 U		
Endosulfan sulfate	UG/L	0	0%			0	0	25	0.11 U	0.1 U	0.11 U		
Endrin	UG/L	0	0%	0	GA	0	0	25	0.11 U	0.1 U	0.11 U		
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25	0.11 U	0.1 U	0.11 U		
Endrin ketone	UG/L	0	0%	5	GA	0	0	25	0.11 U	0.1 U	0.11 U		
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Gamma-Chlordane	UG/L	0	0%			0	0	25	0.053 U	0.052 U	0.055 U		
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25	0.053 U	0.052 U	0.055 U		
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25	0.053 U	0.052 U	0.055 U		
Methoxychlor	UG/L	0	0%	35	GA	0	0	25	0.53 U	0.52 U	0.55 U		
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25	5.3 U	5.2 U	5.5 U		
Herbicides													
2,4,5-T	UG/L	0	0%	35	GA	0	0	3					
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3					
2,4-D	UG/L	0	0%	50	GA	0	0	3					
2,4-DB	UG/L	0	0%			0	0	3					
Dalapon	UG/L	0	0%	50	GA	0	0	3					
Dicamba	UG/L	0	0%	0.44	GA	0	0	3					
Dichloroprop	UG/L	0	0%			0	0	3					
Dinoseb	UG/L	0	0%	1	GA	0	0	3					

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-4	MW26-4	MW26-4	MW26-4	MW26-4
Matrix									GW	GW	GW	GW	GW
Sample ID									MW26-4	26004	26006	26LM20003	26LM20008
Sample Date									11/8/1995	4/9/1996	4/9/1996	1/25/2006	8/8/2006
QC Code									SA	DU	SA	SA	SA
Study ID									RI	RI	RI	S26 LTM	S26 LTM
Sampling Round									1	2	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)													
MCPA	UG/L	0	0%	0.44	GA	0	0	3					
MCPP	UG/L	0	0%			0	0	3					
Metals													
Aluminum	UG/L	73300	88%	50	SEC	17	22	25	22	34.5 U	34.5 U		
Antimony	UG/L	1.4	4%	3	GA	0	1	25	2.2 U	1 U	1 U		
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25	2.1 U	4 U	4 U		
Barium	UG/L	399	100%	1000	GA	0	25	25	83	70.6	71.6		
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25	0.27 U	0.1 U	0.1 U		
Cadmium	UG/L	0	0%	5	GA	0	0	25	0.3 U	0.3 U	0.3 U		
Calcium	UG/L	311000	100%			0	25	25	180000	166000	168000		
Chromium	UG/L	122	40%	50	GA	1	10	25	0.5 U	0.7 U	0.7 U		
Cobalt	UG/L	62.2	48%			0	12	25	1 U	0.9 U	0.9 U		
Copper	UG/L	92	60%	200	GA	0	15	25	2.3	1.4	1.8		
Cyanide	UG/L	0	0%			0	0	25	5 U	5 U	5 U		
Iron	UG/L	145000	96%	300	GA	12	24	25	20	28.1	21.7 U		
Lead	UG/L	32.9	24%	15	MCL	1	6	25	1.5 U	1.9 U	1.9 U		
Magnesium	UG/L	60900	100%			0	25	25	30600	29400	29800		
Manganese	UG/L	5780	100%	300	GA	17	25	25	1.1	10	10.1		
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25	0.02 U	0.2 U	0.2 U		
Nickel	UG/L	163	68%	100	GA	1	17	25	1.3	1.6 U	1.6 U		
Potassium	UG/L	108000	100%			0	25	25	96200	85600 J	86800 J		
Selenium	UG/L	2	8%	10	GA	0	2	25	3.7 U	3.4 U	3.4 U		
Silver	UG/L	0	0%	50	GA	0	0	25	0.8 U	1.3 U	1.3 U		
Sodium	UG/L	34800	100%	20000	GA	5	25	25	14200	12200	12400		
Thallium	UG/L	7.6	36%	2	MCL	9	9	25	4.3	4.7 U	4.7 U		
Vanadium	UG/L	110	20%			0	5	25	1.1 U	1.1 U	1.1 U		
Zinc	UG/L	355	100%	5000	SEC	0	25	25	1.6	1.1	1.1		

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-5	MW26-5	MW26-6	MW26-6	MW26-7	MW26-7	MW26-7
Matrix									GW	GW	GW	GW	GW	GW	GW
Sample ID									MW26-5	26007	MW26-6	26008	MW26-70	MW26-7	26009
Sample Date									11/5/1995	3/27/1996	11/5/1995	3/26/1996	11/14/1995	11/14/1995	3/28/1996
QC Code									SA	SA	SA	SA	DU	SA	SA
Study ID									RI	RI	RI	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8							
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	0.5 UJ		0.5 UJ		0.5 U	0.5 U	
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	**6**	**11**	**17**
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U		0.5 U
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3							
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	2	3	**7**
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11	0.5 UJ		0.5 UJ		0.5 U	0.5 U	
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	UG/L	0	0%			0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	UG/L	5	4%			0	1	28	5 UJ	5 R	5 UJ	5 R	5 U	5	5 R
Benzene	UG/L	2	12%	1	GA	1	4	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	1	**2**	1
Bromobenzene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	UG/L	0	0%			0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	UG/L	0	0%	7	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	UG/L	0	0%			0	0	8							
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	**6**	**7**	**8**
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	3	3	5
Methyl Acetate	UG/L	0	0%			0	0	8							
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8							
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methyl butyl ketone	UG/L	0	0%			0	0	22	5 UJ		5 UJ		5 U	5 U	
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.7
Methyl cyclohexane	UG/L	0	0%			0	0	8							
Methyl ethyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U
Methylene bromide	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	UG/L	15	18%			0	4	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	6	10	15
Propylbenzene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	3	3	**6**
Styrene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	UG/L	0.4	3%	5	GA	0	1	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-5	MW26-5	MW26-6	MW26-6	MW26-7	MW26-7	MW26-7
Matrix								GW	GW	GW	GW	GW	GW	GW
Sample ID								MW26-5	26007	MW26-6	26008	MW26-70	MW26-7	26009
Sample Date								11/5/1995	3/27/1996	11/5/1995	3/26/1996	11/14/1995	11/14/1995	3/28/1996
QC Code								SA	SA	SA	SA	DU	SA	SA
Study ID								RI	RI	RI	RI	RI	RI	RI
Sampling Round								1	2	1	2	1	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)															
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	2	2	5
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	3
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30	0.5 UJ	0.5 U	0.5 UJ	0.5 U	2	3	**6**
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	2	2	4
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.3 J	0.6
Semivolatile Organic Compounds															
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3							
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2-Chloronaphthalene	UG/L	0	0%			0	0	25	10 U	11 UJ	11 U	11 UJ	10 U	10 U	25 UJ
2-Chlorophenol	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2-Methylnaphthalene	UG/L	10	8%			0	2	25	10 U	11 U	11 U	11 U	10	7 J	10 U
2-Methylphenol	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
4-Methylphenol	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25	25 U	28 UJ	27 U	27 UJ	25 U	25 U	62 UJ
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25	25 U	28 UJ	27 U	27 UJ	25 U	25 U	62 UJ
Acenaphthene	UG/L	11	12%			0	3	25	10 U	11 U	11 U	11 U	4 J	3 J	7 U
Acenaphthylene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Anthracene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Benzo(a)anthracene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25	10 U	10 UJ	11 UJ	10 UJ	10 U	10 U	15 UJ
Butylbenzylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Carbazole	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Chrysene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Di-n-octylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-5	MW26-5	MW26-6	MW26-6	MW26-7	MW26-7	MW26-7
Matrix								GW	GW	GW	GW	GW	GW	GW
Sample ID								MW26-5	26007	MW26-6	26008	MW26-70	MW26-7	26009
Sample Date								11/5/1995	3/27/1996	11/5/1995	3/26/1996	11/14/1995	11/14/1995	3/28/1996
QC Code								SA	SA	SA	SA	DU	SA	SA
Study ID								RI	RI	RI	RI	RI	RI	RI
Sampling Round								1	2	1	2	1	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)															
Dibenzofuran	UG/L	3	8%			0	2	25	10 U	11 U	11 U	11 U	3 J	3 J	4 U
Diethyl phthalate	UG/L	0.6	8%			0	2	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Dimethylphthalate	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Fluoranthene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Fluorene	UG/L	5	8%			0	2	25	10 U	11 U	11 U	11 U	5 J	5 J	7 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25	10 U	11 UJ	11 U	11 UJ	10 U	10 U	25 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Isophorone	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Naphthalene	UG/L	14	8%			0	2	25	10 U	11 U	11 U	11 U	14	11	18 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25	25 U	28 U	27 U	27 U	25 U	25 U	62 U
Phenanthrene	UG/L	4	8%			0	2	25	10 U	11 U	11 U	11 U	2 J	4 J	5 U
Phenol	UG/L	0	0%	1	GA	0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Pyrene	UG/L	0	0%			0	0	25	10 U	11 U	11 U	11 U	10 U	10 U	25 U
Pesticides/PCBs															
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.055 UJ	0.1 UJ	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Alpha-Chlordane	UG/L	0	0%			0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25	2.1 U	2.1 U	2.1 U	2 U	2.1 UJ	2.1 UJ	2 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endosulfan I	UG/L	0	0%			0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Endosulfan II	UG/L	0.088	4%			0	1	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	25	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 UJ	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Gamma-Chlordane	UG/L	0	0%			0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25	0.052 U	0.052 U	0.052 U	0.05 U	0.052 UJ	0.052 UJ	0.05 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	25	0.52 U	0.52 U	0.52 U	0.5 U	0.52 UJ	0.52 UJ	0.5 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25	5.2 U	5.2 U	5.2 U	5 U	5.2 UJ	5.2 UJ	5 U
Herbicides															
2,4,5-T	UG/L	0	0%	35	GA	0	0	3							
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3							
2,4-D	UG/L	0	0%	50	GA	0	0	3							
2,4-DB	UG/L	0	0%			0	0	3							
Dalapon	UG/L	0	0%	50	GA	0	0	3							
Dicamba	UG/L	0	0%	0.44	GA	0	0	3							
Dichloroprop	UG/L	0	0%			0	0	3							
Dinoseb	UG/L	0	0%	1	GA	0	0	3							

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-5	MW26-5	MW26-6	MW26-6	MW26-7	MW26-7	MW26-7
Matrix									GW	GW	GW	GW	GW	GW	GW
Sample ID									MW26-5	26007	MW26-6	26008	MW26-70	MW26-7	26009
Sample Date									11/5/1995	3/27/1996	11/5/1995	3/26/1996	11/14/1995	11/14/1995	3/28/1996
QC Code									SA	SA	SA	SA	DU	SA	SA
Study ID									RI	RI	RI	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)															
MCPA	UG/L	0	0%	0.44	GA	0	0	3							
MCPP	UG/L	0	0%			0	0	3							
Metals															
Aluminum	UG/L	73300	88%	50	SEC	17	22	25	26.7	**262**	26.3	**88.2** J	**429**	**286**	**54.1** J
Antimony	UG/L	1.4	4%	3	GA	0	1	25	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	2.2 U	2.3 U
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25	2.1 U	3.5 U	2.1 U	3.5 U	**19.5**	**18**	10
Barium	UG/L	399	100%	1000	GA	0	25	25	90.6	65.7	68.3	41.1	122	124	78.3
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25	0.27 U	0.13 U	0.27 U	0.13 U	0.27 U	0.27 U	0.13 U
Cadmium	UG/L	0	0%	5	GA	0	0	25	0.3 U	0.32 U	0.3 U	0.32 U	0.3 U	0.3 U	0.32 U
Calcium	UG/L	311000	100%			0	25	25	226000	195000	100000	87200	141000	141000	91000
Chromium	UG/L	122	40%	50	GA	1	10	25	0.5 U	1.3 U	0.5 U	1.3 U	5.9	5.5	1.3 U
Cobalt	UG/L	62.2	48%			0	12	25	1.5	1.1 U	0.99 U	1.1 U	1.5	1.5	1.1
Copper	UG/L	92	60%	200	GA	0	15	25	0.7 U	1.1	0.69 U	0.94 U	0.98	0.85	0.94 U
Cyanide	UG/L	0	0%			0	0	25	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Iron	UG/L	145000	96%	300	GA	12	24	25	28.8	**461**	44.8	191	**7180**	**7250**	**7410**
Lead	UG/L	32.9	24%	15	MCL	1	6	25	1.5 U	1.1 U	1.5 U	1.1 U	1.8	1.5 U	1.1 U
Magnesium	UG/L	60900	100%			0	25	25	39400	34000	22000	18700	18200	18100	10600
Manganese	UG/L	5780	100%	300	GA	17	25	25	**947**	197	**908**	**457**	**4130**	**4190**	**3530**
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25	0.02 U	0.1 U	0.02 U	0.1 U	0.02 U	0.02 U	0.1 U
Nickel	UG/L	163	68%	100	GA	1	17	25	2.8	1.9	2.2	1.7 U	15.5 J	7.5	1.7 U
Potassium	UG/L	108000	100%			0	25	25	9060	5320	6930	4850	4230	4210	3430
Selenium	UG/L	2	8%	10	GA	0	2	25	3.7 U	3.4 U	3.7 U	3.4 U	3.7 U	3.7 U	3.4 U
Silver	UG/L	0	0%	50	GA	0	0	25	0.79 U	1.1 U	0.79 U	1.1 U	0.79 U	0.8 U	1.1 U
Sodium	UG/L	34800	100%	20000	GA	5	25	25	16600	11800	5370	3980	12400	12400	5760
Thallium	UG/L	7.6	36%	2	MCL	9	9	25	**7.6**	3.5 U	**5.4**	3.5 U	**4.8**	**3.1**	3.5 U
Vanadium	UG/L	110	20%			0	5	25	1.1 J	1.2 U	1.1 U	1.2 U	1.2 J	1.1 U	1.2 U
Zinc	UG/L	355	100%	5000	SEC	0	25	25	2.2	3.8	2.2	5.2	6.8 J	8.8 J	1.5

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility									SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID									MW26-7	MW26-7	MW26-8	MW26-8	MW26-9	MW26-9
Matrix									GW	GW	GW	GW	GW	GW
Sample ID									26LM20004	26LM20009	MW26-8	26010	MW26-9	26011
Sample Date									1/26/2006	8/7/2006	11/6/1995	3/28/1996	11/13/1995	3/27/1996
QC Code									SA	SA	SA	SA	SA	SA
Study ID									S26 LTM	S26 LTM	RI	RI	RI	RI
Sampling Round									1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	0	0%	5	GA	0	0	8	1 UJ	1 U				
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	22	1 U	1 U	0.5 UJ		0.5 U	
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,1-Dichloropropene	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2,3-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2,3-Trichloropropane	UG/L	0	0%	0.04	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2,4-Trimethylbenzene	UG/L	17	10%	5	GA	3	3	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	29	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2-Dichloroethene (total)	UG/L	0	0%	5	GA	0	0	3						
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,3,5-Trimethylbenzene	UG/L	7	10%	5	GA	1	3	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,3-Dichloropropane	UG/L	0	0%	5	GA	0	0	11			0.5 UJ		0.5 U	
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
2,2-Dichloropropane	UG/L	0	0%			0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
2-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Acetone	UG/L	5	4%			0	1	28	5 U	5 U	5 UJ	5 R	5 U	5 R
Benzene	UG/L	2	12%	1	GA	1	4	33	0.46 J	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Bromobenzene	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Bromochloromethane	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Bromoform	UG/L	0	0%	80	MCL	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Carbon disulfide	UG/L	0	0%			0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Chlorobenzene	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Chloroethane	UG/L	0	0%	5	GA	0	0	33	1 U	1 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Chloroform	UG/L	0	0%	7	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Cyclohexane	UG/L	0	0%			0	0	8	1 UJ	1 U				
Dichlorodifluoromethane	UG/L	0	0%	5	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Ethyl benzene	UG/L	8	12%	5	GA	3	4	33	0.55 J	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Isopropylbenzene	UG/L	5	10%	5	GA	0	3	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Methyl Acetate	UG/L	0	0%			0	0	8	1 U	1 U				
Methyl Tertbutyl Ether	UG/L	0	0%			0	0	8	1 U	1 U				
Methyl bromide	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Methyl butyl ketone	UG/L	0	0%			0	0	22	5 U	5 U	5 UJ		5 U	
Methyl chloride	UG/L	0.7	3%	5	GA	0	1	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Methyl cyclohexane	UG/L	0	0%			0	0	8	1 U	1 U				
Methyl ethyl ketone	UG/L	0	0%			0	0	33	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
Methyl isobutyl ketone	UG/L	0	0%			0	0	33	5 U	5 U	5 UJ	5 U	5 U	5 UJ
Methylene bromide	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Methylene chloride	UG/L	0	0%	5	GA	0	0	33	1 U	1 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Naphthalene	UG/L	15	18%			0	4	22			0.5 UJ	0.3 J	0.5 U	0.5 UJ
Propylbenzene	UG/L	6	10%	5	GA	1	3	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Styrene	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Toluene	UG/L	0.4	3%	5	GA	0	1	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-7	MW26-8	MW26-8	MW26-8	MW26-9	MW26-9
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								26LM20004	26LM20009	MW26-8	26010	MW26-9	26011
Sample Date								1/26/2006	8/7/2006	11/6/1995	3/28/1996	11/13/1995	3/27/1996
QC Code								SA	SA	SA	SA	SA	SA
Study ID								S26 LTM	S26 LTM	RI	RI	RI	RI
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organic Compounds (Continued)														
Total Xylenes	UG/L	5	9%	5	GA	0	3	33	3 U	3 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Trichloroethene	UG/L	0	0%	5	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Trichlorofluoromethane	UG/L	0	0%	5	GA	0	0	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Vinyl chloride	UG/L	0	0%	2	GA	0	0	33	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
n-Butylbenzene	UG/L	3	5%	5	GA	0	1	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
p-Chlorotoluene	UG/L	0	0%	5	GA	0	0	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
p-Isopropyltoluene	UG/L	6	10%	5	GA	1	3	30	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
sec-Butylbenzene	UG/L	4	14%	5	GA	0	3	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
tert-Butylbenzene	UG/L	0.6	9%	5	GA	0	2	22			0.5 UJ	0.5 U	0.5 U	0.5 UJ
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25			10 U	10 U	11 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25			10 U	10 U	11 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	25			10 U	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	UG/L	0	0%			0	0	3						
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25			25 U	25 U	28 U	25 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	25			10 U	10 U	11 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	25			25 U	25 U	28 U	25 U
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
2-Chloronaphthalene	UG/L	0	0%			0	0	25			10 U	10 UJ	11 U	10 UJ
2-Chlorophenol	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
2-Methylnaphthalene	UG/L	10	8%			0	2	25			10 U	10 U	11 U	10 U
2-Methylphenol	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	25			25 U	25 U	28 U	25 U
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	25			10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	25			25 U	25 U	28 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	25			25 U	25 U	28 U	25 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	25			10 U	10 U	11 U	10 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
4-Methylphenol	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	25			25 U	25 UJ	28 U	25 UJ
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	25			25 U	25 UJ	28 UJ	25 UJ
Acenaphthene	UG/L	11	12%			0	3	25			10 U	10 U	11 U	10 U
Acenaphthylene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Anthracene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Benzo(a)anthracene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	25			10 U	10 U	11 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	25			10 U	10 U	11 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	22			10 U	10 U	11 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	5	GA	0	0	25			10 UJ	10 UJ	11 UJ	20 UJ
Butylbenzylphthalate	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Carbazole	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Chrysene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Di-n-butylphthalate	UG/L	0	0%	50	GA	0	0	25			10 U	10 U	11 U	10 U
Di-n-octylphthalate	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility								SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID								MW26-7	MW26-8	MW26-8	MW26-8	MW26-9	MW26-9
Matrix								GW	GW	GW	GW	GW	GW
Sample ID								26LM20004	26LM20009	MW26-8	26010	MW26-9	26011
Sample Date								1/26/2006	8/7/2006	11/6/1995	3/28/1996	11/13/1995	3/27/1996
QC Code								SA	SA	SA	SA	SA	SA
Study ID								S26 LTM	S26 LTM	RI	RI	RI	RI
Sampling Round								1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Semivolatile Organic Compounds (Continued)														
Dibenzofuran	UG/L	3	8%			0	2	25			10 U	10 U	11 U	10 U
Diethyl phthalate	UG/L	0.6	8%			0	2	25			10 U	10 U	11 U	10 U
Dimethylphthalate	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Fluoranthene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Fluorene	UG/L	5	8%			0	2	25			10 U	10 U	11 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	25			10 U	10 U	11 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.5	GA	0	0	25			10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	25			10 U	10 UJ	11 U	10 UJ
Hexachloroethane	UG/L	0	0%	5	GA	0	0	25			10 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Isophorone	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Naphthalene	UG/L	14	8%			0	2	25			10 U	10 U	11 U	10 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	25			10 U	10 U	11 U	10 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	25			25 U	25 U	28 U	25 U
Phenanthrene	UG/L	4	8%			0	2	25			10 U	10 U	11 U	10 U
Phenol	UG/L	0	0%	1	GA	0	0	25			10 U	10 U	11 U	10 U
Pyrene	UG/L	0	0%			0	0	25			10 U	10 U	11 U	10 U
Pesticides/PCBs														
4,4'-DDD	UG/L	0	0%	0.3	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	UG/L	0	0%	0.2	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	UG/L	0	0%	0.2	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Aldrin	UG/L	0	0%	0	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Alpha-BHC	UG/L	0	0%	0.01	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Alpha-Chlordane	UG/L	0	0%			0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	25			2.2 U	2 U	2 U	2 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	25			1.1 U	1 U	1 U	1 U
Beta-BHC	UG/L	0	0%	0.04	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Delta-BHC	UG/L	0	0%	0.04	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Dieldrin	UG/L	0	0%	0.004	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan I	UG/L	0	0%			0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Endosulfan II	UG/L	0.088	4%			0	1	25			0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	UG/L	0	0%			0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Endrin	UG/L	0	0%	0	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	UG/L	0	0%	5	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Endrin ketone	UG/L	0	0%	5	GA	0	0	25			0.11 U	0.1 U	0.1 U	0.1 U
Gamma-BHC/Lindane	UG/L	0	0%	0.05	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Gamma-Chlordane	UG/L	0	0%			0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Heptachlor	UG/L	0.03	4%	0.04	GA	0	1	25			0.055 U	0.05 U	0.05 U	0.051 U
Heptachlor epoxide	UG/L	0	0%	0.03	GA	0	0	25			0.055 U	0.05 U	0.05 U	0.051 U
Methoxychlor	UG/L	0	0%	35	GA	0	0	25			0.55 U	0.5 U	0.5 U	0.51 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	25			5.5 U	5 U	5 U	5.1 U
Herbicides														
2,4,5-T	UG/L	0	0%	35	GA	0	0	3						
2,4,5-TP/Silvex	UG/L	0	0%	0.26	GA	0	0	3						
2,4-D	UG/L	0	0%	50	GA	0	0	3						
2,4-DB	UG/L	0	0%			0	0	3						
Dalapon	UG/L	0	0%	50	GA	0	0	3						
Dicamba	UG/L	0	0%	0.44	GA	0	0	3						
Dichloroprop	UG/L	0	0%			0	0	3						
Dinoseb	UG/L	0	0%	1	GA	0	0	3						

Table A-2
Complete Groundwater Data for SEAD-26
SEAD-25 and SEAD-26 Annual Report
Seneca Army Depot Activity

Facility										SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
Location ID										MW26-7	MW26-7	MW26-8	MW26-8	MW26-9	MW26-9
Matrix										GW	GW	GW	GW	GW	GW
Sample ID										26LM20004	26LM20009	MW26-8	26010	MW26-9	26011
Sample Date										1/26/2006	8/7/2006	11/6/1995	3/28/1996	11/13/1995	3/27/1996
QC Code										SA	SA	SA	SA	SA	SA
Study ID										S26 LTM	S26 LTM	RI	RI	RI	RI
Sampling Round										1	2	1	2	1	2
Parameter	**Units**	**Maximum Value**	**Frequency of Detection**	**Criteria Level**	**Criteria Source[1]**	**Number of Exceedances**	**Number of Times Detected**	**Number of Samples Collected**	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Herbicides (Continued)															
MCPA	UG/L	0	0%	0.44	GA	0	0	3							
MCPP	UG/L	0	0%			0	0	3							
Metals															
Aluminum	UG/L	73300	88%	50	SEC	17	22	25			35.9	**168** J	**371**	19.5 U
Antimony	UG/L	1.4	4%	3	GA	0	1	25			2.2 U	2.3 U	2.2 U	2.3 U
Arsenic	UG/L	32.6	24%	10	MCL	3	6	25			2.1 U	3.5 U	2.1 U	3.6 U
Barium	UG/L	399	100%	1000	GA	0	25	25			74.8	52.8	79.6	67.8
Beryllium	UG/L	3.4	4%	4	MCL	0	1	25			0.27 U	0.13 U	0.27 U	0.2 U
Cadmium	UG/L	0	0%	5	GA	0	0	25			0.3 U	0.32 U	0.3 U	0.4 U
Calcium	UG/L	311000	100%			0	25	25			170000	147000	146000	139000
Chromium	UG/L	122	40%	50	GA	1	10	25			0.51	1.3 U	18.9	1.4 U
Cobalt	UG/L	62.2	48%			0	12	25			1.4	1.1 U	1.5	1.1 U
Copper	UG/L	92	60%	200	GA	0	15	25			1.1	0.94 U	5.6	1 U
Cyanide	UG/L	0	0%			0	0	25			5 U	5 UJ	5 U	5 UJ
Iron	UG/L	145000	96%	300	GA	12	24	25			41.8	**318**	**664**	50.1
Lead	UG/L	32.9	24%	15	MCL	1	6	25			1.5 U	1.1 U	12.8	1.1 U
Magnesium	UG/L	60900	100%			0	25	25			22300	19500	18900	18400
Manganese	UG/L	5780	100%	300	GA	17	25	25			**646**	22.8	**375**	32.2
Mercury	UG/L	0.14	8%	0.7	GA	0	2	25			0.02 U	0.1 U	0.02 U	0.1 U
Nickel	UG/L	163	68%	100	GA	1	17	25			2.6	1.7 U	14.5	1.7 U
Potassium	UG/L	108000	100%			0	25	25			6170	3860	8690	7040
Selenium	UG/L	2	8%	10	GA	0	2	25			3.7 U	3.4 U	3.7 U	3.5 U
Silver	UG/L	0	0%	50	GA	0	0	25			0.8 U	1.1 U	0.8 U	1.2 U
Sodium	UG/L	34800	100%	20000	GA	5	25	25			8780	10500	16100	12600
Thallium	UG/L	7.6	36%	2	MCL	9	9	25			**3.2**	3.5 U	3 U	3.6 U
Vanadium	UG/L	110	20%			0	5	25			1.2 J	1.2 U	1.1 U	1.3 U
Zinc	UG/L	355	100%	5000	SEC	0	25	25			2.2	1.8	18.7 J	2.6

Notes:
1. GA = NYSDEC Class GA Groundwater Standard (TOGS 1.1.1, June 1998)
   MCL = Maximum Contaminant Level - Drinking Water Standards and Health Advisory (EPA 822-B-00-001)
   SEC = Secondary Drinking Water Regulations - Drinking Water Standards and Health Advisory (EPA 82-B-00-001)
2. Shading indicates concentration above the groundwater standard.

U = compound was not detected
J = the reported value is an estimated concentration