LIST OF APPENDICES

Appendix A Groundwater Sampling Procedure, Low Flow Pump Purging and Sampling

Appendix B Soil Boring Logs

Appendix C Analytical Results

- SEAD-121C: Surface Soil
- SEAD-121C: Subsurface Soil
- SEAD-121C: Groundwater
- SEAD-121C: Surface Water
- SEAD-121C: Ditch Soil
- SEAD-121I: All Soils (Surface and Ditch)
- SEAD-121I: Surface Water
- SEAD-121I: Downgradient Ditch Soil

APPENDIX A

EPA REGION II - LOW FLOW GROUNDWATER SAMPLING PROCEDURE

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION II

GROUND WATER SAMPLING PROCEDURE
LOW STRESS (Low Flow) PURGING AND SAMPLING

I. SCOPE & APPLICATION

This Low Stress (or Low-Flow) Purging and Sampling Procedure is the EPA Region II standard method for collecting low stress (low flow) ground water samples from monitoring wells. Low stress Purging and Sampling results in collection of ground water samples from monitoring wells that are representative of ground water conditions in the geological formation. This is accomplished by minimizing stress on the geological formation and minimizing disturbance of sediment that has collected in the well. The procedure applies to monitoring wells that have an inner casing with a diameter of 2.0 inches or greater, and maximum screened intervals of ten feet unless multiple intervals are sampled. The procedure is appropriate for collection of ground water samples that will be analyzed for volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and microbiological and other contaminants in association with all EPA programs.

This procedure does not address the collection of light or dense non-aqueous phase liquids (LNAPL or DNAPL) samples, and should be used for aqueous samples only. For sampling NAPLs, the reader is referred to the following EPA publications: DNAPL Site Evaluation (Cohen & Mercer, 1993) and the RCRA Ground-Water Monitoring: Draft Technical Guidance (EPA/530-R-93-001), and references therein.

II. METHOD SUMMARY

The purpose of the low stress purging and sampling procedure is to collect ground water samples from monitoring wells that are representative of ground water conditions in the geological formation. This is accomplished by setting the intake velocity of the sampling pump to a flow rate that limits drawdown inside the well casing.

Sampling at the prescribed (low) flow rate has three primary benefits. First, it minimizes disturbance of sediment in the bottom of the well, thereby producing a sample with low turbidity (i.e., low concentration of suspended particles). Typically, this saves time and analytical costs by eliminating the need for collecting and analyzing an additional filtered sample from the same well. Second, this procedure

minimizes aeration of the ground water during sample collection, which improves the sample quality for VOC analysis. Third, in most cases the procedure significantly reduces the volume of ground water purged from a well and the costs associated with its proper treatment and disposal.

III. ADDRESSING POTENTIAL PROBLEMS

Problems that may be encountered using this technique include a) difficulty in sampling wells with insufficient yield; b) failure of one or more key indicator parameters to stabilize; c) cascading of water and/or formation of air bubbles in the tubing; and d) cross-contamination between wells.

Insufficient Yield

Wells with insufficient yield (i.e., low recharge rate of the well) may dewater during purging. Care should be taken to avoid loss of pressure in the tubing line due to dewatering of the well below the level of the pump's intake. Purging should be interrupted before the water level in the well drops below the top of the pump, as this may induce cascading of the sand pack. Pumping the well dry should therefore be avoided to the extent possible in all cases. Sampling should commence as soon as the volume in the well has recovered sufficiently to allow collection of samples. Alternatively, ground water samples may be obtained with techniques designed for the unsaturated zone, such as lysimeters.

Failure to Stabilize Key Indicator Parameters

If one or more key indicator parameters fails to stabilize after 4 hours, one of four options should be considered: a) continue purging in an attempt to achieve stabilization; b) discontinue purging, do not collect samples, and document attempts to reach stabilization in the log book; c) discontinue purging, collect samples, and document attempts to reach stabilization in the log book; or d) Secure the well, purge and collect samples the next day (preferred). The key indicator parameter for samples to be analyzed for VOCs is dissolved oxygen. The key indicator parameter for all other samples is turbidity.

Cascading

To prevent cascading and/or air bubble formation in the tubing, care should be taken to ensure that the flow rate is sufficient to maintain pump suction. Minimize the length and diameter of tubing (i.e., 1/4

or 3/8 inch ID) to ensure that the tubing remains filled with ground water during sampling.

Cross-Contamination

To prevent cross-contamination between wells, it is strongly recommended that dedicated, in-place pumps be used. As an alternative, the potential for cross-contamination can be reduced by performing the more thorough "daily" decontamination procedures between sampling of each well in addition to the start of each sampling day (see Section VII, below).

Equipment Failure

Adequate equipment should be on-hand so that equipment failures do not adversely impact sampling activities.

IV. PLANNING DOCUMENTATION AND EQUIPMENT

- Approved site-specific Field Sampling Plan/Quality Assurance Project Plan (QAPP). This plan must specify the type of pump and other equipment to be used. The QAPP must also specify the depth to which the pump intake should be lowered in each well. Generally, the target depth will correspond to the mid-point of the most permeable zone in the screened interval. Borehole geologic and geophysical logs can be used to help select the most permeable zone. However, in some cases, other criteria may be used to select the target depth for the pump intake. In all cases, the target depth must be approved by the EPA hydrogeologist or EPA project scientist.

- Well construction data, location map, field data from last sampling event.

- Polyethylene sheeting.

- Flame Ionization Detector (FID) and Photo Ionization Detector (PID).

- Adjustable rate, positive displacement ground water sampling pump (e.g., centrifugal or bladder pumps constructed of stainless steel or Teflon). A peristaltic pump may only be used for inorganic sample collection.

- Interface probe or equivalent device for determining the presence or absence of NAPL.

- Teflon or Teflon-lined polyethylene tubing to collect samples for organic analysis. Teflon or Teflon-lined polyethylene, PVC, Tygon or polyethylene tubing to collect samples for inorganic analysis. Sufficient tubing of the appropriate material must be available so that each well has dedicated tubing.

- Water level measuring device, minimum 0.01 foot accuracy, (electronic preferred for tracking water level drawdown during all pumping operations).

- Flow measurement supplies (e.g., graduated cylinder and stop watch or in-line flow meter).
- Power source (generator, nitrogen tank, etc.).
- Monitoring instruments for indicator parameters. Eh and dissolved oxygen must be monitored in-line using an instrument with a continuous readout display. Specific conductance, pH, and temperature may be monitored either in-line or using separate probes. A nephalometer is used to measure turbidity.

- Decontamination supplies (see Section VII, below).

- Logbook (see Section VIII, below).

- Sample bottles.

- Sample preservation supplies (as required by the analytical methods).

- Sample tags or labels, chain of custody.

V. SAMPLING PROCEDURES

Pre-Sampling Activities

1. Start at the well known or believed to have the least contaminated ground water and proceed systematically to the well with the most contaminated ground water. Check the well, the lock, and the locking cap for damage or evidence of tampering. Record observations.

2. Lay out sheet of polyethylene for placement of monitoring and sampling equipment.

3. Measure VOCs at the rim of the unopened well with a PID and FID instrument and record the reading in the field log book.

4. Remove well cap.

5. Measure VOCs at the rim of the opened well with a PID and an FID instrument and record the reading in the field log book.
6. If the well casing does not have a reference point (usually a V-cut or indelible mark in the well casing), make one. Note that the reference point should be surveyed for correction of ground water elevations to the mean geodesic datum (MSL).

7. Measure and record the depth to water (to 0.01 ft) in all wells to be sampled prior to purging. Care should be taken to minimize disturbance in the water column and dislodging of any particulate matter attached to the sides or settled at the bottom of the well.

8. If desired, measure and record the depth of any NAPLs using an interface probe. Care should be taken to minimize disturbance of any sediment that has accumulated at the bottom of the well. Record the observations in the log book. If LNAPLs and/or DNAPLs are detected, install the pump at this time, as described in step 9, below. Allow the well to sit for several days between the measurement or sampling of any DNAPLs and the low-stress purging and sampling of the ground water.

Sampling Procedures

9. Install Pump: Slowly lower the pump, safety cable, tubing and electrical lines into the well to the depth specified for that well in the EPA-approved QAPP or a depth otherwise approved by the EPA hydrogeologist or EPA project scientist. The pump intake must be kept at least two (2) feet above the bottom of the well to prevent disturbance and resuspension of any sediment or NAPL present in the bottom of the well. Record the depth to which the pump is lowered.

10. Measure Water Level: Before starting the pump, measure the water level again with the pump in the well. Leave the water level measuring device in the well.

11. Purge Well: Start pumping the well at 200 to 500 milliliters per minute (ml/min). The water level should be monitored approximately every five minutes. Ideally, a steady flow rate should be maintained that results in a stabilized water level (drawdown of 0.3 ft or less). Pumping rates should, if needed, be reduced to the minimum capabilities of the pump to ensure stabilization of the water level. As noted above,

care should be taken to maintain pump suction and to avoid entrainment of air in the tubing. Record each adjustment made to the pumping rate and the water level measured immediately after each adjustment.

12. Monitor Indicator Parameters: During purging of the well, monitor and record the field indicator parameters (turbidity, temperature, specific conductance, pH, Eh, and DO) approximately every five minutes. The well is considered stabilized and ready for sample collection when the indicator parameters have stabilized for three consecutive readings as follows (Puls and Barcelona, 1996):

    $\pm$0.1 for pH
    $\pm$3% for specific conductance (conductivity)
    $\pm$10 mv for redox potential
    $\pm$10% for DO and turbidity

    Dissolved oxygen and turbidity usually require the longest time to achieve stabilization. The pump must not be removed from the well between purging and sampling.

13. Collect Samples: Collect samples at a flow rate between 100 and 250 ml/min and such that drawdown of the water level within the well does not exceed the maximum allowable drawdown of 0.3 ft. VOC samples must be collected first and directly into sample containers. All sample containers should be filled with minimal turbulence by allowing the ground water to flow from the tubing gently down the inside of the container.

    Ground water samples to be analyzed for volatile organic compounds (VOCs) require pH adjustment. The appropriate EPA Program Guidance should be consulted to determine whether pH adjustment is necessary. If pH adjustment is necessary for VOC sample preservation, the amount of acid to be added to each sample vial prior to sampling should be determined, drop by drop, on a separate and equal volume of water (e.g., 40 ml). Ground water purged from the well prior to sampling can be used for this purpose.

14. Remove Pump and Tubing: After collection of the samples, the tubing, unless permanently installed, must be properly discarded or dedicated to the well for resampling by hanging the tubing inside the well.

15. Measure and record well depth.

16. Close and lock the well.

VI. FIELD QUALITY CONTROL SAMPLES

Quality control samples must be collected to determine if sample collection and handling procedures have adversely affected the quality of the ground water samples. The appropriate EPA Program Guidance should be consulted in preparing the field QC sample requirements of the site-specific QAPP.

All field quality control samples must be prepared exactly as regular investigation samples with regard to sample volume, containers, and preservation. The following quality control samples should be collected during the sampling event:

- Field duplicates
- Trip blanks for VOCs only
- Equipment blank (not necessary if equipment is dedicated to the well)

As noted above, ground water samples should be collected systematically from wells with the lowest level of contamination through to wells with highest level of contamination. The equipment blank should be collected after sampling from the most contaminated well.

VII. DECONTAMINATION

Non-disposable sampling equipment, including the pump and support cable and electrical wires which contact the sample, must be decontaminated thoroughly each day before use ("daily decon") and after each well is sampled ("between-well decon"). Dedicated, in-place pumps and tubing must be thoroughly decontaminated using "daily decon" procedures (see #17, below) prior to their initial use. For centrifugal pumps, it is strongly recommended that non-disposable sampling equipment, including the pump and support cable and electrical wires in contact with the sample, be decontaminated thoroughly each day before use ("daily decon").

EPA's field experience indicates that the life of centrifugal pumps may be extended by removing entrained grit. This also permits inspection and replacement of the cooling water in centrifugal pumps. All non-dedicated sampling equipment (pumps, tubing, etc.) must be decontaminated after each well is sampled ("between-well decon," see #18 below).

17. **Daily Decon**

A) Pre-rinse: Operate pump in a deep basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

B) Wash: Operate pump in a deep basin containing 8 to 10 gallons of a non-phosphate detergent solution, such as Alconox, for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes. Use the detergent sparingly.

C) Rinse: Operate pump in a deep basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

D) Disassemble pump.

E) Wash pump parts: Place the disassembled parts of the pump into a deep basin containing 8 to 10 gallons of non-phosphate detergent solution. Scrub all pump parts with a test tube brush.

F) Rinse pump parts with potable water.

G) Rinse the following pump parts with distilled/ deionized water: inlet screen, the shaft, the suction interconnector, the motor lead assembly, and the stator housing.

H) Place impeller assembly in a large glass beaker and rinse with 1% nitric acid (HNO_3).

I) Rinse impeller assembly with potable water.

J) Place impeller assembly in a large glass bleaker and rinse with isopropanol.

K) Rinse impeller assembly with distilled/deionized water.

18. **Between-Well Decon**

A) Pre-rinse: Operate pump in a deep basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.
B) Wash: Operate pump in a deep basin containing 8 to 10 gallons of a non-phosphate detergent solution, such as Alconox, for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes. Use the detergent sparingly.

C) Rinse: Operate pump in a deep basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

D) Final Rinse: Operate pump in a deep basin of distilled/deionized water to pump out 1 to 2 gallons of this final rinse water.

VIII. FIELD LOG BOOK

A field log book must be kept each time ground water monitoring activities are conducted in the field. The field log book should document the following:

- Well identification number and physical condition.
- Well depth, and measurement technique.
- Static water level depth, date, time, and measurement technique.
- Presence and thickness of immiscible liquid layers and detection method.
- Collection method for immiscible liquid layers.
- Pumping rate, drawdown, indicator parameters values, and clock time, at three to five minute intervals; calculate or measure total volume pumped.
- Well sampling sequence and time of sample collection.
- Types of sample bottles used and sample identification numbers.
- Preservatives used.
- Parameters requested for analysis.
- Field observations of sampling event.
- Name of sample collector(s).
- Weather conditions.
- QA/QC data for field instruments.

IX. REFERENCES

Cohen, R.M. and J.W. Mercer, 1993, DNAPL Site Evaluation, C.K. Smoley Press, Boca Raton, Florida.

Puls, R.W. and M.J. Barcelona, 1996, Low-Flow (Minimal Drawdown) Ground-water Sampling Procedures, EPA/540/S-95/504.

U.S. EPA, 1993, RCRA Ground-Water Monitoring: Draft Technical Guidance, EPA/530-R-93-001.

U.S. EPA Region II, 1989, CERCLA Quality Assurance Manual.

APPENDIX B

SOIL BORING LOGS

- **SEAD-121C**
- **SEAD-121I**

OVERBURDEN BORING REPORT

PARSONS	CLIENT: WDAIOE	BORING NO.: SB DRMO-5

PROJECT : PED
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lym Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Tenu
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	8"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	DRMO-1040(0-2) DRMO-1041(2-6)
DUPLICATES	
MS/MSD	
MRD	DRMO-1040 MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMW-5
COMMENTS:		DRILLER: Harry Lyon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	8							Moist Brown/Black SHALE		
	19	2'	2'		DEMO-1096	0932		small (@2") layer of m-c SAND Coal ash	ML	
	23									
2	13									
	4					0935		moist Grey/Brown CLAY w/some silt	ML	
	5	2'	1'							
	6									
4	12									
	35							Dry weathered Shale	—	
5	50/4"	10"	10"			0942				
6					DEMO-1041					
	32							Dry weathered Shale	—	
	50/5"	9"	3"			0954				
									—	
8										
	50/1"	1"	—					No Recovery Split Spoon Refusal		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SB DRMO-6

PROJECT : PED
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/25/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilly
DRILLER: Henry Lyon / Rich
INSPECTOR: Kroosmann / BMcAllister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-9A	2"	SS		
			3"	SS		

↑ SS

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	DRMO-1043 / DRMO-1044
DUPLICATES	DRMO-1058
MS/MSD	DRMO-1043MS DRMO-1043 MSD
MRD	DRMO-1043 MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMW-6
COMMENTS:		DRILLER: Harry Lyon / Rick INSPECTOR: J Rossmann / B McAllister DATE: 10/25/12

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	22									
	32	2'	2'		SBMW-1013	0856		Dry shale frag – fill	–	
	35									
	28									
2	10									
	8							net (4 inches) weathered shale & rock w/some silt & dry rock fragments and silt.		
	8	2'	1¼'							
	9									
4	33				SBMW-1014	0924				
5	50/3"	1	1'					Dry weathered shale		
	50/1"	1"	1"							
6	5/4"	6"	1'					Dry weathered shale		
	50/2"	3"	–					Dry weathered shale Low recovery		
9								Refusal @ 9.37		
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-7

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Horny / Rick
INSPECTOR: Ben / Jean
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	DRMO-1046(0-2) DRMO-1047(2-4)
DUPLICATES	
MS/MSD	
MRD	

OVERBURDEN BORING REPORT

PARSONS	CLIENT: WDAFWE	BORING NO.: SB DKMO-7
COMMENTS:		DRILLER: Harry Lyon / Rick INSPECTOR: Rossmann / McAllister DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	9				DKMO-1046	0745		Dry Brown Very stiff SILT w/some clay and shale fragments.	FILL	
	16	2'	2'							
	16									
2	20									
	7							Dry Brown SILT to weathered shale	ML	
	15	2'	1'			0748				
	10				DKMO-1047					
4	18									
	11							Dry weathered shale	–	
5	27	15"	1'			0800				
	50/3"									
6	50/2"							Dry Grey weathered shale	–	
		2"	2"			0806				
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SB DRMO-8

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/25/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Terry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-6	2"	SS		
		Surface	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1049
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DEMO-8
COMMENTS:		DRILLER: Lyon / Rich INSPECTOR: Rossmann / McAllister DATE: 10/25/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	5							moist to Dry stiff silt/highly weathered shale mixed rock at the top	ML	
	9									
	9	2'	1½'		DEMO-1019	1605				
2	20									
	10							Dry weathered shale		
	20									
	30	2	0"							
	50/3									
4	30							Dry weathered shale		
5	50/3"	9"	5"			1619		Bedrock in tip		
								Refusal - no sample collected at 2-6 or 6-10 intervals		
6										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB~~EA~~ DRMO-9

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/23/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Leon / Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-8	2"	SS		
		0-2	3"	SS		

↓ surface soil

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-1053 (0-2), DRMO-1054 (2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DEMO-9
COMMENTS: 3" spoons for SS samples		DRILLER: Harry Allyon / Rich INSPECTOR: Rossmann / McAllister DATE: 10/25/01

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC time	SAMPLE: RAD VOC SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
1	10				Demo-1053	1009	4ppm	moist to dry SILT w/ shale fragments		
	9							Brown SILT w/ CLAY strong oil/gas smell.	OL	
	12	2'	1½'							
2	10									
	4							moist Brown/grey SILTY CLAY w/ staining slight odor	OL	
	5	2'	1'		Demo-1054	1011				
	7									
4	23							weathered shale - Dry		
	45	7"								
5	50/2				Demo-1055	1022				
6	50/3"	6"	6"			1037		dry weathered shale		
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMO-10

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 74/175

START DATE: 10/25/02
FINISH DATE: 1
CONTRACTOR: Lyon Drilling
DRILLER: Hank Lyon / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-5	2"	SS		
		Surface	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-1052(0-2) DRMO 1052 (2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-10
COMMENTS:		DRILLER: Harry Lyon / Rick INSPECTOR: Rossmann / McAllister DATE: 10/25/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	9				DRMO-1056	16.40		moist to dry Shale fragments (Black) to Dry Brown SILT mixed w/ weathered shale to Brown SILT very bottom. Brown Sand and rust cit bottom of 2nd 3" spoon	ML	
	14	2'	2'							
	12									
2	12									
	5							moist Brown SILT w/ Loose weathered Shale	CL	
	5	2'	1'		DRMO-1057					
	5									
4	20									
	20	8"						Dry tem loose weathered Shale		
5	50/3"					16.52				
6										
	50/3"	3"						Spoon Refusal		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SB DRMO-11

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 74/175

START DATE: 10/26/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry Lyon / Rich
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-8	2"	SS		
		Surface (0-2)	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-1059(0-1) DRMO-1060(2-6
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMO-11
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McAllister DATE: 10/26/10

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	7				Dsmo-1059					
	21	2'	2'			0940		Moist to Dry weathered shale and rock fragments Dry Brown dense SILT w/possible clay.	ML	
	19									
2	17									
	7							Mostly Dry Brown/tan SILT some weathered shale beginning at bottom.	ML	
	7	2'	1'			0944				
	8									
4	27									
	15				Dsmo-1060					
	50/1"	6"	6"					Dry Brown/tan SILT w/some rounded m gravel and Dry weathered shale at bottom	ML	
5						0953				
6										
	41							Dry weathered shale	-	
	50/2"	7"	1/4"							
						1001				
8										
	50/2"	2"	0'					Dry weathered shale	-	
						1012		Split Spoon Refusal		
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SB DRMO-12

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/25/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry/Rich
INSPECTOR: Jenn/Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	~~0~~ - 8	2"	SS		
		0-2	3"	SS		

↓ Surface

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1002 (0-2) DRMO-1003 (2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-12
COMMENTS:		DRILLER: Harry Lyon/Rick INSPECTOR: Rossmann/McAllister DATE: 10/25/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	5									
	10	2'	1¾'		DRMO-1662	1128		Moist Brown/Black silty clay. Rock fragments (shale)	OL	
	12									
2	6									
	3									
	13							moist Brown CLAY to weathered Shale/rock frag	CL	
	30	2'	10"		DRMO-1663	1135				
	12									
4	32/4"									
5	50/4"	4"						Some clay Mostly Dry weathered shale.	CL	
6	50/1"	1"						no recovery - Split Spoon Recovery.		
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-13

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 74175

START DATE: 10/21/02
FINISH DATE:
CONTRACTOR: Lyon Dolly
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-8	2"	SS		
		Surface(02)	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-10813(0-2) DRMO-10814(2-4)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DEMO-13
COMMENTS:		DRILLER: Hang Lyon / Rick INSPECTOR: Rossmann / McAllister DATE: 10/26/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
0	4 7 8 11	2'	2'		DEMO-10CS	1036		moist topsoil and Shale fragments at top. Dry Brown/tan SILT w/ minimum clay last 8½'	ML	
2	3 4 11 15 50	2'	1'			1040		moist tan/Brown SILT w/ clay. last 3-4" Dry weathered shale	CL	
4	50/4"	4"	3"		DEMO-10CL6	1050		Dry weathered Bedrock	-	
6	50/4"	4"				1104		No Recovery - Same Dry weathered Bedrock Split Spoon Refusal		
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SWD DRMO-14

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/25/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry Lyon / Rick Rossmann
INSPECTOR: / McAllister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-10	2"	SS		
		0-2	3"	SS		

↓ surface soil

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1068(0-2) DRMO-1069(2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMW-14
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McMaster DATE: 10/25/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	5				DRMW-1068	1218		moist dk Brown/Black silty clay fragmented Shale	OL	
	9	2'	1 3/4'							
	15									
	12									
2	3				DRMW-1069	1220		wet dk Brown/Black CLAY	OL	
	3	2'	1/2'							
	4									
4	3							6" water in hole		
	1									
5	2	2'	1'			1230		moist Brown/grey Clay & stiff SILTY CLAY	CL	
	12							some wood at bottom above weathered Shale layer (6 inches)		
	40									
6	50/2"	2"	4"					Dry weathered shale		
						1235				
8	50/1"	1"	—					NO Recovery.		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: UNOCAL	BORING NO.: SB DRMO-15

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 7411 75

START DATE: 10/26/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jen
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1071
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRM1-15
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McMillister DATE: 10/26/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	3				DEM1-671			moist Fill Shale/Brick/silt/deer turds		
	9									
	8	2'	18"			1403		wet @ 2ft		
2	12									
	3							no recovery.		
	6	2'	←			1405				
	6									
4	3									
	4							moist Grey/Brown CLAY w/shale intermixed & layered. mostly stuff no sample taken		
5	3	2'	2'			1411			ML	
	5									
	7									
6	33							water		
	50/4"	9"	1½'			1414		wet Grey CLAY/SILT/Shale (weathered) not worth sampling due to content of spoon		
8	50/2"	2"				1441				
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SBDRMO-16

PROJECT : RED
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-8.1	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	DRMO-1074 (0-2) DRMO-1075(2-6)
DUPLICATES	DRMO-1080
MS/MSD	DRMO-1074MS DRMO-1074MSD
MRD	DRMO-1074MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USA COE	BORING NO.: SB DEMO-16
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McAllister DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	4				DEMO-1074	1328		moist Brown topsoil for @ 5" then Brown SILT w/shale rock frag.	ML	
	7									
	14	2'	2'							
2	9									
	3							moist Brown SILT w/ some trace of f SAND rocky (shale)	ML	
	4					1320				
	3	2'	1'							
4	4				DEMO-1075			moist Brown SILT. weathered Bedrock at bottom	CL	
	2									
5	3	2"	1/2'			1345				
	5									
6	19							wet weathered shale - grey.	-	
	20									
	50/2"	8"	6"			1349				
8	50/1"	1"				1357		No Recovery Split Spoon Refusal		
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-17

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741178

START DATE: 10/28/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry/Jack
INSPECTOR: Ben/Jem
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	8"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/28/02		
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMW-1077 (0-2) DRMO-1078 (2-6)
DUPLICATES:
MS/MSD:
MRD:

FIGURE A-2

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB Demo-17
COMMENTS:		DRILLER: Harry Lyon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/28/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	50				Demo-10T					
	20	2'	2'		Demo-1078	1110		Moist. 1st bot Black rock that looks like Coal but is not. mixed w/ larger rock + shale.	ML	
	18							Shale w/Asphalt. 2nd BOT Brown SILT		
2	14									
	4					1113		moist Lt grey/orange/yellow SILT.	ML	
	5	2'	1/2							
	6									
4	10									
	15							Dry weathered Bedrock	–	
5	50/4"	10"	5"			1113				
6									–	
	50/4"	4"	2"					Dry weathered Bedrock		
						1180				
8	50/1"	1"						No recovery. Spoon refusal	–	
10										
15										
20										

50 20 18 14 4 5 6 10

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-2918

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Bert / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	2-6.2	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-1081 (0-2) DRMO-1082 (2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DEMO-18
COMMENTS:		DRILLER: Hang Lyon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	15									
	30							Moist to dry Fill material glass/bolts/nails@1'	—	
	35	2'	2'		DEMO-1081	1030				
	45									
2	15							Dry Brown SILT & rocks. Small clay layer@ 2.5'		
	9									
	15	2'	1½'			1035				
	32									
4	15									
5	50/4"	10"	6"		DEMO-1082	1046		Moist Brown CLAY w/possible f-sand weathered shale at bottom	ML	
6	50/2"	2"	2"					Dry weathered shale		
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SBDRMO-19

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: "
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenny
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-6.	2"	#SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1084 (0-2)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: WA COE	BORING NO.: SB DEMO-19
COMMENTS:		DRILLER: Harry Lyon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	4				demo-1104	0857		(0-1') Fill - Rocks		
	6	2'	2'					(1-2') Moist tan/Brown SILT w/some clay	ML	
	6									
	7									
2	3					0920		Dry weathered shale	-	
	14	2'	1'							
	19									
4	35									
	22							Dry weathered shale	-	
5	32	2'	1'			0910				
	21									
	38									
6	45							NO Recovery Split Spoon Refusal	-	
	50/1"	6"	-			0913				
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DRMO-20

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/26/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2 - 8.2	2"	SS		
		0 - 2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES: DRMO-1087 (0-2) DRMO-1088 (2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB Demo-20
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmum/McMillan DATE: 10/26/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	22									
	25	2'	1½		DEMO-1087	1249		moist to Dry Fill - rocks / bolts / Shale	–	
	21									
2	27									
	10							Dry tan SILT Granite rock fragments	ML	
	14									
	18	2'	1'		DEMO-1088	1253				
4	18									
	5							Slightly moist grey/green CLAY Fractured Shale		
5	10									
	16	2'				1307		Last 2". Some well rounded gravel	CL	
6	40									
	50/4"	4"	4"					Dry weathered Shale	–	
									✓	
8	50/2"	2"	2"					Dry weathered Shale		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: WALOE	BORING NO.: SB DRMO-21

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Henry / Rick
INSPECTOR: Ben Henn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	2-6.2	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1080 (02) DRMO-1102
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB Demo - 21
COMMENTS:		DRILLER: Harry Ligon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	1									
	3	2'	2'		Demo-1020	1528		Moist Brown to Dk Brown SILT w/ CLAY topsoil at top. Brown CLAY 5' bottom	CL	
	5									
2	10									
	2									
	5	1.8	1'		Demo-1102	1530		Moist Brown CLAY w/some silt. weathered Bedrock 3"	CL	
	15									
4	50/2"									
	50/4"	4"	8"					Moist Brown CLAY w/some silt. (from top) weathered Bedrock 3"	CL	
5										
6	50/1"	2"						weathered shale Dry	—	
8								Auger Refusal @ 8.2'	—	
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DKMO-22

PROJECT: PID
SWMU # (AREA): DKMO
SOP NO.: 741175

START DATE: 10/27/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Jon / Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	8"	2-6.9	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DKMO-1091 (0-2)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB/DRMO-22

COMMENTS:

DRILLER: Harry Lyon
INSPECTOR: Rossmann/McAllister
DATE: 10/27/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENE-TRATION RANGE (FEET)	SAMPLING: RECOV-ERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	3 3 3 5	2'	2'		DRMO-1091	1428		Moist Brown topsoil w/shale fragments	–	
2	11 6 16 7	2'	7"			1434		Moist Brown/gray CLAY w/shale fragments and LA br silt.	CL	
4	3 9 11 18	1'10"	4"			1438		Dry weathered shale	–	
5										
6	50/4" 40 50/3"	9"	3"			1442		Dry weathered shale - Iron staining		
8	50/1"	1"	-					No recovery. Splitspoon refusal	–	
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDRMO-23

PROJECT : PED
SWMU # (AREA) : DRMO
SOP NO.: 7411B

START DATE: 10/28/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jerm
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/28/02		
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	DRMO-1095 (0-2) DRMO-1096 (2-6)
DUPLICATES	
MS/MSD	
MRD	DRMO-1095 MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SBDKMW-23
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McAllister DATE: 10/28/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	2				DKMW-1085			Moist, Brown SILT/CLAY		
	4					0.50				
	7	2'	2'		DKMW-1084					
	10									
2	2					0.54		Moist Brown/Grey SILT to Brown fSAND @ 6-8 inches		
	6	2'	1'							
	5									
4	14									
	11									
5	14	2'	2'		DKMW-1086	1.07		Moist Brown SILT w/ f SAND and gravel angular gravel to Brown w/ silt rounded gravel & some fSAND.		
	26									
6	27									
	11									
	14	1.4'	1'					Moist Brown SILT w/ weathered shale at bottom.		
	50/4"									
8						10.9				
	50/2"	1"	-					Refusal. Spoon Refusal. not enough sample for last interval (6-10)		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS | CLIENT: USACOE | BORING NO.: SB DRMO-284

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/28/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilly
DRILLER: Hary/ Rick
INSPECTOR: Jenn / Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	2-8	2"	SS		
		0-2	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/28/02		
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: DRMO-1098(0-2) DRMO-1099(2-6)
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB DEMO-24
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McAllister DATE: 10/25/12

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
2	7 12 20 15	2'	2'		DEMO-1024	1326		Moist Fill material – Rocky (Angular/Subangular)		
	4 8 12 14	2'	1'		DEMO-1029	1331		Parched H2O 10" Wet Grey CLAY w/silt Angular rock frg throughout.		
4	4									
5	4 15	1.9'	1'		DEMO-1036	1336		Moist Grey CLAY. Brick @ 5ft 5" weathered Bedrock		
6	50/3" 50/4"	4"	3"			1347		Weathered Shale – Dry		
8	50/1"	1"	–					NO Recovery. Spoon Refusal		
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MW DRMO-3

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/29/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Jenn / Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? (Y) N

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA		0 - 8	2"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/29/02		
SOIL AMOUNT: (fraction of drum)	½ drum		
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN: None

SAMPLES
DUPLICATES
MS/MSD
MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MW DRMO-3
COMMENTS: No Soil Samples Collected	DRILLER: Henry Lyon INSPECTOR: Rossmann/McAllister DATE: 10/9/02	

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	8									
	14							Dry Rock Grv		
	17	2'	1'							
	13									
2								Slightly moist Brown silt		
7									ML	
9		2'	1'							
14										
4								moist Brown SILT w/ weathered shale at bottom (dry)	ML	
5	20									
	27	2'	1'							
6	41									
	25							weathered Shale - Dry.	—	
	50/2"	8"	10"							
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MW DRMO-4

PROJECT : PID
SWMU # (AREA) : DRMO
SOP NO.: 741175

START DATE: 10/29/02
FINISH DATE: ↓
CONTRACTOR: ~~Harry~~ Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Jenn / Ben
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? (Y) N

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4¼	0-8	2"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/29/02		
SOIL AMOUNT : (fraction of drum)	½ drum		
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN: None

SAMPLES
DUPLICATES
MS/MSD
MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USA COE	BORING NO.: MW DEMO-4
COMMENTS:		DRILLER: Harry Lyon / Rick INSPECTOR: Rossmann / McAllister DATE: 10/29/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	6							moist Brown(oik) SILT last 3" 9" of		
	8							rock (Dry)	ML	
	5	2'	1'							
2	7									
	5							moist Grey SILT w/some dkg weathered Shale		
	7							last 2" trace of clay.	ML	
	10	2'	1'							
4	32									
	24							Dkg weathered Shale		
5	50/2"	8"	6"						—	
6										
	50/1"	1"	—					no recovery. Refusal Split spoon	—	
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MWDRMO-6

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/29/02
FINISH DATE: ↓
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rich
INSPECTOR: Ben / Dan
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? (Y) N

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	0-8	2"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT-SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/29/02		
SOIL AMOUNT: (fraction of drum)	½ drum		
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN: none

SAMPLES
DUPLICATES
MS/MSD
MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MWDRMO -6
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: Rossmann / McAllister DATE: 10/29/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	4							Rocky Fill		
	10	2'	3/4'						–	
	11									
2	8									
	4							moist Wdy Brown silt, stiff		
	6		1'						ML	
	9	2'								
	14									
4	~~18~~							Dry weathered shale		
5	50/2"	8"	8"						–	
6	50/1"							Dry weathered shale		
		1"	4"						–	
8										
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MWDRMO-5

PROJECT: PID
SWMU # (AREA): DRMO
SOP NO.: 741175

START DATE: 10/29/02
FINISH DATE: 10/29/02
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? (Y) N

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	6"	0-8	2"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE	10/29/02		
SOIL AMOUNT: (fraction of drum)	1/2 drum		
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN: none

SAMPLES
DUPLICATES
MS/MSD
MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: MW DRMO-5
COMMENTS:		DRILLER: Harry Lyon
		INSPECTOR: Rossmann / McAllister
		DATE: 10/29/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	7							moist Brown SILT w/ rock fragments	ML	
	12	2'	1'							
	10									
2	5									
	12							moist Brown SILT w/ rock fragments (4")	ML	
	25	2'	1'					Dry weathered shale		
	28									
4	40									
	35									
5	50/2	8"	8"					Dry weathered shale	—	
6										
	50/4"							Dry weathered shale	—	
		4"	8"							
8										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB/121-1

PROJECT : PID
SWMU # (AREA) : 121I
SOP NO.: 74/175

START DATE: 10/24/02
FINISH DATE:
CONTRACTOR: Lyon Drilling
DRILLER: Harry Lyon
INSPECTOR: J Rossmark / B McAllister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4¼	0-28	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN: 121I-1040
SAMPLES VOC/moisture/SVOC/PEST/PCB/metals/cyanide TOC/TPH
DUPLICATES
MS/MSD
MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121I-1
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: JRossmum / B McAllister DATE: 10/24/12

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: TIME	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	6				1811-1040	1119		moist, Brown/grey SILT w/ weathered Shale fragments.	CL	
	14	2'	1'							
	15									
2	13									
	10					1130		NO Heaving. Refusal		
	50/3"									
4										
5										
10										
15										
20										

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACoE	BORING NO.: SB121I-5

PROJECT: PID
SWMU # (AREA): 8 121I
SOP NO.: 74/175

START DATE: 10/24/02
FINISH DATE:
CONTRACTOR: Lyon Drilly
DRILLER: Harry Lyon
INSPECTOR: J Robsmann / B McMillister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	~~8~~ 8¼"	0-3	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:

SAMPLES	121I-1813
DUPLICATES	121I-1814
MS/MSD	121I-1813 MS/MSD
MRD	121I-1813 MRD

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB T21I-2

COMMENTS: Did not get ss values for 1st 2Ft just did SS like before.

DRILLER: Harry Lyon
INSPECTOR: JRossmann / BMcAllister
DATE: 10/24/12

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
0	no sample				12I-1043	1445		Moist Brown CLAY w/ rock at bottom weathered shale	CL	
2	10 50/2"	6"	4"					rock fragments Refusal		
5										
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121E-3

PROJECT: PID
SWMU # (AREA): 121I
SOP NO.: 74/175

START DATE: 10/24/02
FINISH DATE: "
CONTRACTOR: Lyon Drilling
DRILLER: Harry / Rick
INSPECTOR: Ben / Jenn
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4 1/4	0-2.2'	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO-IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME-IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT: (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: 121E-1047
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121I-3
COMMENTS:		DRILLER: Harry Lyon
		INSPECTOR: J Rossmann / B McAllister
		DATE: 10/24/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	9									
	30	1	1		1215-1047	1/57		Moist Brown SILT w/ weathered fractured shale	CL	
	50/6"									
7	50/2"							Split Spoon Refusal. No Recovery.		
5										
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121I-4

PROJECT : PID
SWMU # (AREA) : ~~BRMD~~ 121I
SOP NO.: 74/175

START DATE: 10/24/02
FINISH DATE:
CONTRACTOR: Lyon Drilling
DRILLER: Harry Lyon
INSPECTOR: J Rossmann B McAllister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-23'	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

Initially drilled through Asphalt near Ferro Mg piles

SAMPLES TAKEN: 121I-1050

SAMPLES: VOC/SVOC/PCB/Pest/Metals/Cyanide
DUPLICATES: TPH/TOC
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121I-40
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: J Rossmann B McAllister DATE: 10/24/01

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	5							moist Brown CLAY w/ weathered Shale Fragments		
	50/4"	9"	3/4"		121I-1050	1223			CL	
2	50/3"					1228		No Recovery. Refusal		
5										
10										
15										
20										

FIG A-2 (cont.)

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: SB121I-5

PROJECT : PID
SWMU # (AREA) : 121I
SOP NO.: 741175

START DATE: 10/24/02
FINISH DATE: "
CONTRACTOR: Lyon Drilling
DRILLER: Harry Lyon
INSPECTOR: J Rossmumm, B McAllister
CHECKED BY:
CHECK DATE:
BORING CONVERTED TO MW? Y (N)

DRILLING SUMMARY

DRILLING METHOD	HOLE DIA.(ft)	DEPTH INTERVAL (ft)	SAMPLER SIZE	SAMPLER TYPE	HAMMER TYPE	HAMMER WT/FALL
HSA	4"	0-3	3"	SS		

DRILLING ACRONYMS

HSA	HOLLOW-STEM AUGERS	HMR	HAMMER	SS	SPLIT SPOON
DW	DRIVE-AND-WASH	SHR	SAFETY HAMMER	CS	CONTINUOUS SAMPLING
MRSLC	MUD-ROTARY SOIL-CORING	HHR	HYDRAULIC HAMMER	5I	5 FT INTERVAL SAMPLING
CA	CASING ADVANCER	DHR	DOWN-HOLE HAMMER	NS	NO SAMPLING
SPC	SPIN CASING	WL	WIRE-LINE	ST	SHELBY TUBE
				3S	3 INCH SPLIT SPOON

MONITORING EQUPMENT SUMMARY

INSTRUMENT TYPE	DETECTOR TYPE/ENERGY	RANGE	BACKGROUND READING	BACKGROUND TIME	BACKGROUND DATE	CALIBRATION TIME	CALIBRATION DATE	WEATHER (TEMP., WIND, ETC.)

MONITORING ACRONYMS

PID	PHOTO - IONIZATION DETECTOR	BGD	BACKGROUND	DGRT	DRAEGER TUBES
FID	FLAME - IONIZATION DETECTOR	CPM	COUNTS PER MINUTE	PPB	PARTS PER BILLION
GMD	GEIGER MUELLER DETECTOR	PPM	PARTS PER MILLION	MDL	METHOD DETECTION LIMIT
SCT	SCINTILLATION DETECTOR	RAD	RADIATION METER		

INVESTIGATION DERIVED WASTE

DATE			
SOIL AMOUNT : (fraction of drum)			
DRUM #, LOCATION:			

COMMENTS:

SAMPLES TAKEN:
SAMPLES: 121I-1053
DUPLICATES:
MS/MSD:
MRD:

OVERBURDEN BORING REPORT

PARSONS	CLIENT: USACOE	BORING NO.: ~~SB12~~ SB12II-5
COMMENTS:		DRILLER: Harry Lyon INSPECTOR: J Rossmann / B McAllister DATE: 10/24/02

DEPTH (FT)	SAMPLING: BLOWS PER 6 INCHES	SAMPLING: PENETRATION RANGE (FEET)	SAMPLING: RECOVERY RANGE (FEET)	SAMPLE: DEPTH INT (FEET)	SAMPLE: NO.	SAMPLE: VOC	SAMPLE: RAD SCRN	SAMPLE DESCRIPTION (As per Burmeister: color, grain size, MAJOR COMPONENT, Minor Components with amount modifiers and grain-size, density, stratification, wetness, etc.)	USCS CLASS	STRATUM CLASS
	3				12E-1053	1340		moist Brown CLAY w/ weathered shale frags.	CL	
	11	2'	1½							
	11									
	12									
2	7							rock ash (fine-white) NO Recovery. Refusal		
	17	1'	8"							
	50/1"									
5										
10										
15										
20										

FIG A-2 (cont.)

APPENDIX C

ANALYTICAL RESULTS

- **SEAD-121C: Surface Soil**
- **SEAD-121C: Subsurface Soil**
- **SEAD-121C: Groundwater**
- **SEAD-121C: Surface Water**
- **SEAD-121C: Ditch Soil**
- **SEAD-121I: Soils (Surface and Ditch)**
- **SEAD-121I: Surface Water**
- **SEAD-121I: Downgradient Ditch Soil**

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Acetone	UG/KG	13	25%	13	53	12 UJ	12 U	12 J	11 U	10 J	11 UJ
Benzene	UG/KG	41	2%	1	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Bromoform	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Chlorobenzene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Chloroethane	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Chloroform	UG/KG	4	4%	2	53	12 UJ	12 U	12 U	11 U	11 UJ	4 J
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43						
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43						
Methyl bromide	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Methyl chloride	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Ortho Xylene	UG/KG	16	2%	1	43						

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Toluene	UG/KG	28	21%	11	53	3 J	2 J	5 J	2 J	12 J	10 J
Total Xylenes	UG/KG	0	0%	0	10	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43						
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Trichloroethene	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Vinyl chloride	UG/KG	0	0%	0	53	12 UJ	12 U	12 U	11 U	11 UJ	11 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	45 J	78 U	73 U	72 U	72 U	71 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2-Chlorophenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	8.6 J	78 U	4.3 J	5.5 J	72 U	71 U
2-Methylphenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
2-Nitroaniline	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
2-Nitrophenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43						
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
3-Nitroaniline	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
4-Chloroaniline	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
4-Methylphenol	UG/KG	0	0%	0	10	73 U	78 U	73 U	72 U	72 U	71 U
4-Nitroaniline	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
4-Nitrophenol	UG/KG	0	0%	0	53	180 U	190 U	180 U	180 U	170 U	170 U
Acenaphthene	UG/KG	2600	25%	13	53	32 J	78 U	6.8 J	72 U	72 U	71 U
Acenaphthylene	UG/KG	2500	23%	12	53	73 U	78 U	73 U	72 U	72 U	71 U
Anthracene	UG/KG	7100	42%	22	53	52 J	78 U	15 J	72 U	72 U	71 U
Benzo(a)anthracene	UG/KG	10000	56%	29	52	180	78 U	76	8.2 J	3.9 J	7 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	150	78 U	57 J	8.1 J	72 U	71 U
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	200	78 U	95	13 J	13 J	71 U
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	98	78 U	42 J	11 J	72 U	71 U
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	150	78 U	67 J	7 J	72 U	71 U
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	73 U	13 J	73 U	9.2 J	9.3 J	13 J
Butylbenzylphthalate	UG/KG	120	11%	6	53	73 U	78 U	73 U	72 U	72 U	71 U
Carbazole	UG/KG	4200	36%	19	53	73 J	78 U	17 J	72 U	72 U	71 U
Chrysene	UG/KG	9100	54%	28	52	210	78 U	90	11 J	8.8 J	12 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	73 U	78 U	73 U	72 U	72 U	3.7 J
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	73 U	9.9 J	73 U	72 U	72 U	71 U
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	43 J	78 U	21 J	72 U	72 U	71 U
Dibenzofuran	UG/KG	1700	23%	12	53	19 J	78 U	5.1 J	72 U	72 U	71 U
Diethyl phthalate	UG/KG	11	13%	7	53	73 U	5.8 J	73 U	8.5 J	8.1 J	10 J
Dimethylphthalate	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Fluoranthene	UG/KG	27000	74%	39	53	520	78 U	180	13 J	7.4 J	10 J
Fluorene	UG/KG	3500	28%	15	53	32 J	78 U	8 J	72 U	72 U	71 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	8.5 J	78 U	73 U	72 U	72 U	71 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Hexachloroethane	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	94	78 U	41 J	8.6 J	72 U	71 U
Isophorone	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	4.8 J	78 U	73 U	72 U	72 U	71 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Naphthalene	UG/KG	400	21%	11	53	11 J	78 U	73 U	72 U	72 U	71 U
Nitrobenzene	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Pentachlorophenol	UG/KG	0	0%	0	53	180 U	190 UJ	180 U	180 U	170 U	170 U
Phenanthrene	UG/KG	29000	53%	28	53	360	78 U	96	8.8 J	8.8 J	7.6 J
Phenol	UG/KG	0	0%	0	53	73 U	78 U	73 U	72 U	72 U	71 U
Pyrene	UG/KG	34000	68%	36	53	380	78 U	170	13 J	8.3 J	14 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	3.7 U	3.9 U	3.7 U	3.6 U	3.6 U	3.5 U
4,4'-DDE	UG/KG	69	32%	17	53	13	3.9 U	29	3.6 U	3.8	4.5
4,4'-DDT	UG/KG	100	28%	15	53	18	3.9 U	35	3.6 U	1.9 J	2.3 J
Aldrin	UG/KG	19	8%	4	53	1.8 U	2 U	1.8 U	1.9 U	1.8 U	1.8 U
Alpha-BHC	UG/KG	0	0%	0	53	1.8 U	2 U	2 R	1.9 U	1.8 U	1.8 U
Alpha-Chlordane	UG/KG	63	9%	5	53	1.8 U	2 U	1.8 U	1.9 U	1.8 U	1.8 U
Aroclor-1016	UG/KG	0	0%	0	53	37 U	39 U	37 UJ	36 U	36 U	35 U
Aroclor-1221	UG/KG	0	0%	0	53	74 U	79 U	74 UJ	74 U	73 U	72 U
Aroclor-1232	UG/KG	0	0%	0	53	37 U	39 U	37 UJ	36 U	36 U	35 U
Aroclor-1242	UG/KG	58	2%	1	53	37 U	39 U	37 UJ	36 U	36 U	35 U
Aroclor-1248	UG/KG	0	0%	0	53	37 U	39 U	37 UJ	36 U	36 U	35 U
Aroclor-1254	UG/KG	930	17%	9	53	37 U	39 U	37 UJ	36 U	36 U	35 U
Aroclor-1260	UG/KG	85	11%	6	53	37 U	39 U	30 J	36 U	36 U	35 U
Beta-BHC	UG/KG	0	0%	0	53	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Chlordane	UG/KG	0	0%	0	43						

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.8 U	2 U	0.95 J	1.9 U	1.8 U	1.8 U
Dieldrin	UG/KG	41	6%	3	52	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Endosulfan I	UG/KG	190	38%	20	52	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Endosulfan II	UG/KG	9	2%	1	53	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Endosulfan sulfate	UG/KG	0	0%	0	53	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Endrin	UG/KG	26	4%	2	53	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Endrin aldehyde	UG/KG	0	0%	0	53	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Endrin ketone	UG/KG	7.5	6%	3	53	3.7 U	3.9 U	3.7 UJ	3.6 U	3.6 U	3.5 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Heptachlor	UG/KG	14	4%	2	53	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	1.8 U	2 U	1.8 UJ	1.9 U	1.8 U	1.8 U
Methoxychlor	UG/KG	0	0%	0	53	18 U	20 U	18 UJ	19 U	18 U	18 U
Toxaphene	UG/KG	0	0%	0	53	180 U	200 U	180 UJ	190 U	180 U	180 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	15100	12800	14500	1730	14400	13000
Antimony	MG/KG	236	79%	42	53	17.3 J	1.1 J	19.3 J	0.93 J	1.7 J	0.81 J
Arsenic	MG/KG	11.6	100%	53	53	6.5	5.5	6.1	3.8	5	3.7
Barium	MG/KG	2030	100%	53	53	1420	64.9	1600	18.1	86.6	69.6
Beryllium	MG/KG	1.2	100%	53	53	0.47	0.52	0.4	0.25	0.57	0.49
Cadmium	MG/KG	29.1	60%	32	53	2.3	0.07 U	2.7	0.07 U	0.07 U	0.05 U
Calcium	MG/KG	296000	100%	53	53	23400	2580	31300	283000	17200	25500
Chromium	MG/KG	74.8	100%	53	53	35.2	20.9	32.9	3.8	27.8	22.6
Cobalt	MG/KG	17.6	74%	39	53	15.7	12.8	16.5	3.5	17.6	12.5
Copper	MG/KG	9750	100%	53	53	9750	19.7 J	7690	8.8 J	39.1 J	33 J
Cyanide	MG/KG	0	0%	0	10	0.56 U	0.63 U	0.59 U	0.58 U	0.56 U	0.61 U
Cyanide, Amenable	MG/KG	0	0%	0	43						
Cyanide, Total	MG/KG	0	0%	0	43						
Iron	MG/KG	51700	100%	53	53	41500	25700	41100	4230	32000	25900
Lead	MG/KG	18900	100%	53	53	5080	11.8 J	5280	11.7 J	27.1	23.5 J

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-1	SB121C-2	SB121C-3	SB121C-4	SB121C-4
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB226	EB231	EB014	EB233	EB020	EB229
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	3/9/98	3/9/98
QC Code						SA	SA	DU	SA	DU	SA
Study ID						EBS	EBS	EBS	EBS	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	6810	4590	6820	10200	6980	5630
Manganese	MG/KG	858	100%	53	53	525	598	612	213	413	359
Mercury	MG/KG	0.47	89%	47	53	0.07	0.06 U	0.05 U	0.04 U	0.04 U	0.04 U
Nickel	MG/KG	224	100%	53	53	58.5 J	40.5	54.2 J	11.6	61.8	49.3
Potassium	MG/KG	1990	100%	53	53	1990	1600	1840	1150	1980	1450
Selenium	MG/KG	1.3	19%	10	53	1 UJ	1.1 U	0.92 UJ	1 U	1 U	0.8 U
Silver	MG/KG	21.8	34%	18	53	0.46 U	0.48 U	0.41 U	0.46 U	0.46 U	0.36 U
Sodium	MG/KG	606	85%	45	53	392	139 U	606	132 U	132 U	110
Thallium	MG/KG	1.4	19%	10	53	1.4 U	1.4 UJ	1.2 U	1.4 UJ	1.4 J	1.1 UJ
Vanadium	MG/KG	25.4	100%	53	53	20.9 J	20.8	19.5 J	5.1	21	17
Zinc	MG/KG	3610	100%	53	53	1350	80.3	1280	29.8	153	196
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43						
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43						

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 UJ	3.3 U	2.5 UJ	2.7 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
1,1-Dichloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
1,1-Dichloroethene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
1,2-Dichloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 UJ	3.3 U	2.5 UJ	2.7 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10						
1,2-Dichloropropane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Acetone	UG/KG	13	25%	13	53	20 UJ	11 J	3.2 J	3.3 U	7.3 UJ	2.7 U
Benzene	UG/KG	41	2%	1	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Bromodichloromethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Bromoform	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Carbon disulfide	UG/KG	4.7	4%	2	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Carbon tetrachloride	UG/KG	0	0%	0	53	2.9 UJ	2.8 UJ	2.9 UJ	3.3 UJ	2.5 UJ	2.7 UJ
Chlorobenzene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Chlorodibromomethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Chloroethane	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Chloroform	UG/KG	4	4%	2	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Ethyl benzene	UG/KG	3300	4%	2	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Meta/Para Xylene	UG/KG	4400	7%	3	43	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Methyl bromide	UG/KG	0	0%	0	53	2.9 UJ	2.8 UJ	2.9 UJ	3.3 UJ	2.5 UJ	2.7 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	2.9 UJ	2.8 UJ	2.9 UJ	3.3 UJ	2.5 UJ	2.7 UJ
Methyl chloride	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	2.9 UJ	2.8 UJ	2.9 U	3.3 UJ	2.5 UJ	2.7 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	2.9 UJ	2.8 UJ	2.9 U	3.3 UJ	2.5 UJ	2.7 U
Methylene chloride	UG/KG	2.6	2%	1	53	2.9 UJ	2.7 U	2.9 U	2.9 U	2.5 UJ	2.7 U
Ortho Xylene	UG/KG	16	2%	1	43	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Tetrachloroethene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Toluene	UG/KG	28	21%	11	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Total Xylenes	UG/KG	0	0%	0	10						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Trichloroethene	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Vinyl chloride	UG/KG	0	0%	0	53	2.9 UJ	2.8 U	2.9 U	3.3 U	2.5 UJ	2.7 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	990 U	1100 U	970 U	1100 U	910 U	890 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	990 UJ	1100 UJ	970 R	1100 U	910 UJ	890 UJ
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	390 U	420 U	380 U	430 U	360 U	360 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2-Chlorophenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	390 U	420 U	380 U	430 U	360 U	360 U
2-Methylphenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
2-Nitroaniline	UG/KG	0	0%	0	53	990 U	1100 U	970 UJ	1100 UJ	910 U	890 U
2-Nitrophenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	390 U	420 U	380 U	430 U	360 U	360 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 UJ	360 UJ
3-Nitroaniline	UG/KG	0	0%	0	53	990 U	1100 U	970 U	1100 U	910 U	890 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	990 UJ	1100 UJ	970 UJ	1100 U	910 U	890 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
4-Chloroaniline	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
4-Methylphenol	UG/KG	0	0%	0	10						
4-Nitroaniline	UG/KG	0	0%	0	53	990 U	1100 U	970 U	1100 UJ	910 U	890 U
4-Nitrophenol	UG/KG	0	0%	0	53	990 U	1100 U	970 UJ	1100 U	910 U	890 U
Acenaphthene	UG/KG	2600	25%	13	53	390 U	420 U	380 U	430 U	360 U	360 U
Acenaphthylene	UG/KG	2500	23%	12	53	390 U	420 U	380 U	430 U	360 U	360 U
Anthracene	UG/KG	7100	42%	22	53	390 U	420 U	380 U	430 U	360 U	66 J
Benzo(a)anthracene	UG/KG	10000	56%	29	52	390 U	86 J	380 U	430 U	45 J	140 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	390 U	84 J	380 U	430 U	360 UJ	120 J
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	390 U	86 J	380 U	430 U	60 J	160 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	390 U	72 J	380 UJ	430 UJ	67 J	110 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	390 U	420 U	380 U	430 U	360 UJ	150 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	390 U	420 U	380 U	130 J	50 J	96 J
Butylbenzylphthalate	UG/KG	120	11%	6	53	390 U	420 U	380 U	49 J	360 UJ	48 J
Carbazole	UG/KG	4200	36%	19	53	390 U	420 U	380 U	430 U	360 U	49 J
Chrysene	UG/KG	9100	54%	28	52	390 U	96 J	380 U	430 U	60 J	200 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	390 U	420 U	380 U	430 U	360 U	360 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	390 U	420 U	380 U	430 U	360 UJ	360 UJ
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	390 U	420 U	380 UJ	430 UJ	360 UJ	360 UJ
Dibenzofuran	UG/KG	1700	23%	12	53	390 U	420 U	380 U	430 U	360 U	360 U
Diethyl phthalate	UG/KG	11	13%	7	53	390 U	420 U	380 U	430 U	360 U	360 U
Dimethylphthalate	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Fluoranthene	UG/KG	27000	74%	39	53	390 U	180 J	75 J	430 U	76 J	310 J
Fluorene	UG/KG	3500	28%	15	53	390 U	420 U	380 U	430 U	360 U	360 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	390 U	420 U	380 U	430 U	360 U	360 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	390 UJ	420 UJ	380 UJ	430 U	360 UJ	360 UJ
Hexachloroethane	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	390 U	420 U	380 UJ	430 UJ	360 UJ	74 J
Isophorone	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	390 U	420 U	380 U	430 U	360 U	360 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	390 U	420 U	380 UJ	430 UJ	360 U	360 U
Naphthalene	UG/KG	400	21%	11	53	390 U	420 U	380 U	430 U	360 U	360 U
Nitrobenzene	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Pentachlorophenol	UG/KG	0	0%	0	53	990 U	1100 U	970 U	1100 U	910 U	890 U
Phenanthrene	UG/KG	29000	53%	28	53	390 U	72 J	380 U	430 U	360 U	240 J
Phenol	UG/KG	0	0%	0	53	390 U	420 U	380 U	430 U	360 U	360 U
Pyrene	UG/KG	34000	68%	36	53	390 U	120 J	67 J	430 UJ	110 J	600 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	2 R	2.2 UJ	2 R	2.2 UJ	1.8 R	1.8 UJ
4,4'-DDE	UG/KG	69	32%	17	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	20 J
4,4'-DDT	UG/KG	100	28%	15	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	11 NJ
Aldrin	UG/KG	19	8%	4	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Alpha-BHC	UG/KG	0	0%	0	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Aroclor-1016	UG/KG	0	0%	0	53	20 UJ	22 U	20 UJ	22 U	19 UJ	18 U
Aroclor-1221	UG/KG	0	0%	0	53	20 U	22 U	20 U	22 U	19 U	18 U
Aroclor-1232	UG/KG	0	0%	0	53	20 UJ	22 U	20 UJ	22 U	19 UJ	18 U
Aroclor-1242	UG/KG	58	2%	1	53	20 UJ	22 U	20 UJ	22 U	19 UJ	18 U
Aroclor-1248	UG/KG	0	0%	0	53	20 U	22 U	20 U	22 U	19 U	18 U
Aroclor-1254	UG/KG	930	17%	9	53	20 U	22 U	20 U	22 U	19 U	18 U
Aroclor-1260	UG/KG	85	11%	6	53	20 UJ	22 U	20 UJ	22 U	19 UJ	18 U
Beta-BHC	UG/KG	0	0%	0	53	2 U	2.2 UJ	2 U	2.2 UJ	1.8 U	1.8 UJ
Chlordane	UG/KG	0	0%	0	43	20 U	22 U	20 U	22 U	18 U	18 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Dieldrin	UG/KG	41	6%	3	52	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Endosulfan I	UG/KG	190	38%	20	52	2 U	2.2 U	11	2.2 U	8.7 J	17 J
Endosulfan II	UG/KG	9	2%	1	53	2 U	2.2 U	2 U	2.2 U	1.8 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	53	2 U	2.2 U	2 U	2.2 U	1.8 U	1.8 U
Endrin	UG/KG	26	4%	2	53	2 UJ	2.2 U	2 UJ	2.2 U	1.8 UJ	1.8 U
Endrin aldehyde	UG/KG	0	0%	0	53	2 U	2.2 U	2 U	2.2 U	1.8 U	1.8 U
Endrin ketone	UG/KG	7.5	6%	3	53	2 U	2.2 U	2 U	2.2 U	1.8 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	2 UJ	2.2 UJ	2 UJ	2.2 UJ	1.8 UJ	1.8 UJ
Gamma-Chlordane	UG/KG	1.2	2%	1	53	2 U	2.2 UJ	2 U	2.2 UJ	1.8 U	1.8 UJ
Heptachlor	UG/KG	14	4%	2	53	2 U	2.2 UJ	2 U	2.2 UJ	1.8 U	1.8 UJ
Heptachlor epoxide	UG/KG	2.8	4%	2	53	2 U	2.2 UJ	2 U	2.2 UJ	1.8 U	1.8 UJ
Methoxychlor	UG/KG	0	0%	0	53	2 UJ	2.2 U	2 UJ	2.2 U	1.8 UJ	1.8 U
Toxaphene	UG/KG	0	0%	0	53	20 U	22 U	20 U	22 U	18 U	18 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	11500	11200	10700	11500	8570	9170
Antimony	MG/KG	236	79%	42	53	1.1 U	1.2 U	3.6	1.2 U	1.1	6.9
Arsenic	MG/KG	11.6	100%	53	53	5	4.8	5.6	3.4	5.4	6
Barium	MG/KG	2030	100%	53	53	83.5 J	84 J	49.2 J	71 J	39.1 J	275 J
Beryllium	MG/KG	1.2	100%	53	53	0.76	0.7	0.61	0.74	0.52 J	0.46 J
Cadmium	MG/KG	29.1	60%	32	53	0.14 U	0.3 J	0.14 U	0.16 U	1.3	16.3
Calcium	MG/KG	296000	100%	53	53	4850 J	28000 J	24800 J	8080 J	18600 J	107000 J
Chromium	MG/KG	74.8	100%	53	53	17.6	19.6	19	17.7	19.1	47.2
Cobalt	MG/KG	17.6	74%	39	53	12.4	13.3	14.2	9.9	13.3	11.3
Copper	MG/KG	9750	100%	53	53	16.2 J	30.1 J	43.8 J	18.8 J	62.5 J	407 J
Cyanide	MG/KG	0	0%	0	10						
Cyanide, Amenable	MG/KG	0	0%	0	43	0.59 U	0.65 U	0.59 U	0.66 U	0.55 U	0.54 U
Cyanide, Total	MG/KG	0	0%	0	43	0.595 U	0.653 U	0.589 U	0.656 U	0.548 U	0.543 U
Iron	MG/KG	51700	100%	53	53	22500	23200	22300	21100	21500	24400
Lead	MG/KG	18900	100%	53	53	14.7	37.1	60.2	12.4	51.5	371

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-10	SBDRMO-11	SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-15
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1056	DRMO-1059	DRMO-1062	DRMO-1065	DRMO-1068	DRMO-1071
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/25/02	10/26/02	10/25/02	10/26/02	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	3610	5410	5350	3700	4860	6870
Manganese	MG/KG	858	100%	53	53	668	349	484	526	289	403
Mercury	MG/KG	0.47	89%	47	53	0.05	0.03	0.04	0.04	0.04	0.08
Nickel	MG/KG	224	100%	53	53	23.9 J	31.4 J	36.1 J	23.9 J	38.4 J	52.5 J
Potassium	MG/KG	1990	100%	53	53	911 J	982 J	1280 J	829 J	1000 J	1430 J
Selenium	MG/KG	1.3	19%	10	53	0.5 U	0.55 U	0.49 U	0.55 U	0.46 U	0.44 U
Silver	MG/KG	21.8	34%	18	53	0.32 U	0.35	0.32 U	0.35 U	0.29 U	18.1
Sodium	MG/KG	606	85%	45	53	132	130 U	242	199	143	439
Thallium	MG/KG	1.4	19%	10	53	0.37 U	0.4 U	0.36 U	0.4 U	0.34 U	0.33 U
Vanadium	MG/KG	25.4	100%	53	53	22.4	18.9	17.9	20.2	14.7	14.1
Zinc	MG/KG	3610	100%	53	53	67.1	133	636	53.9	225	3610
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	6700	6800	5100	9000	3300	6200
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	48 UJ	52 UJ	47 UJ	52 UJ	44 UJ	43 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10						
1,2-Dichloropropane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Acetone	UG/KG	13	25%	13	53	2.6 UJ	2.8 UJ	6 UJ	2.6 UJ	13 J	2.6 UJ
Benzene	UG/KG	41	2%	1	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Bromoform	UG/KG	0	0%	0	53	2.6 UJ	2.8 UJ	3.1 UJ	2.6 UJ	3 UJ	2.6 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Chlorobenzene	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Chloroethane	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Chloroform	UG/KG	4	4%	2	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Methyl bromide	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Methyl chloride	UG/KG	0	0%	0	53	2.6 UJ	2.8 UJ	3.1 UJ	2.6 UJ	3 UJ	2.6 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	2.6 U	2.8 U	4.1 UJ	2.6 UJ	3 U	2.6 UJ
Ortho Xylene	UG/KG	16	2%	1	43	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	2.6 UJ	2.8 UJ	3.1 UJ	2.6 UJ	3 UJ	2.6 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	2.6 UJ	2.8 UJ	3.1 UJ	2.6 UJ	3 UJ	2.6 UJ
Toluene	UG/KG	28	21%	11	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Total Xylenes	UG/KG	0	0%	0	10						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Trichloroethene	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Vinyl chloride	UG/KG	0	0%	0	53	2.6 U	2.8 U	3.1 UJ	2.6 UJ	3 U	2.6 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	900 U	900 UJ	4600 U	890 U	980 UJ	890 UJ
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	360 U	360 U	1800 U	350 U	390 U	350 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2-Chlorophenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	200 J	210 J	1800 U	350 U	390 U	350 U
2-Methylphenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
2-Nitroaniline	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
2-Nitrophenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	360 U	360 U	1800 U	350 U	390 U	350 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	360 U	360 UJ	1800 UJ	350 U	390 U	350 UJ
3-Nitroaniline	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 UJ	890 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
4-Chloroaniline	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
4-Methylphenol	UG/KG	0	0%	0	10						
4-Nitroaniline	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
4-Nitrophenol	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
Acenaphthene	UG/KG	2600	25%	13	53	160 J	170 J	1800 U	350 U	390 U	350 U
Acenaphthylene	UG/KG	2500	23%	12	53	1100	750	1800 U	350 U	390 U	95 J
Anthracene	UG/KG	7100	42%	22	53	1100	950	1800 U	81 J	390 U	86 J
Benzo(a)anthracene	UG/KG	10000	56%	29	52	5500 J	2900 J	1800 UJ	380	390 U	170 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	4800 J	2700 J	1800 R	330 J	390 U	410 J
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	6600 J	3700 J	1800 R	410	390 U	310 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	1700 J	740 J	1800 R	160 J	390 UJ	460 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	3000 J	1700 J	1800 R	250 J	390 U	490 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	97 J	74 J	1800 UJ	160 J	390 U	98 J
Butylbenzylphthalate	UG/KG	120	11%	6	53	360 U	360 UJ	1800 UJ	350 U	390 U	350 UJ
Carbazole	UG/KG	4200	36%	19	53	170 J	130 J	1800 U	56 J	390 U	350 U
Chrysene	UG/KG	9100	54%	28	52	5000 J	2700 J	1800 UJ	430	390 U	410 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	360 U	360 U	1800 U	350 U	390 U	350 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	360 U	360 UJ	1800 UJ	350 U	390 UJ	350 UJ
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	250 J	100 J	1800 R	350 U	390 UJ	89 J
Dibenzofuran	UG/KG	1700	23%	12	53	170 J	190 J	1800 U	350 U	390 U	350 U
Diethyl phthalate	UG/KG	11	13%	7	53	360 U	360 U	1800 U	350 U	390 U	350 U
Dimethylphthalate	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Fluoranthene	UG/KG	27000	74%	39	53	8200 J	5100 J	1800 U	610	390 U	150 J
Fluorene	UG/KG	3500	28%	15	53	650	690	1800 U	350 U	390 U	350 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	360 U	360 U	1800 U	350 U	390 U	350 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 UJ
Hexachloroethane	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	760	330 J	1800 UJ	160 J	390 UJ	390 J
Isophorone	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	360 U	360 U	1800 U	350 U	390 U	350 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Naphthalene	UG/KG	400	21%	11	53	100 J	82 J	1800 U	350 U	390 UJ	350 U
Nitrobenzene	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 UJ	350 U
Pentachlorophenol	UG/KG	0	0%	0	53	900 U	900 U	4600 U	890 U	980 U	890 U
Phenanthrene	UG/KG	29000	53%	28	53	4400 J	4000 J	1800 U	340 J	390 U	120 J
Phenol	UG/KG	0	0%	0	53	360 U	360 U	1800 U	350 U	390 U	350 U
Pyrene	UG/KG	34000	68%	36	53	12000 J	5300 J	1800 UJ	660	390 U	280 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	1.8 UJ	6 J	0.22 U	44 J	2 UJ	1.8 UJ
4,4'-DDE	UG/KG	69	32%	17	53	1.8 UJ	41 R	0.22 UJ	83 R	2 UJ	11 J
4,4'-DDT	UG/KG	100	28%	15	53	19 J	21 J	0.22 UJ	73 R	2 UJ	1.8 UJ
Aldrin	UG/KG	19	8%	4	53	9.9 J	19 NJ	0.11 U	11 J	2 UJ	1.8 UJ
Alpha-BHC	UG/KG	0	0%	0	53	1.8 UJ	1.8 UJ	1.3 U	1.8 UJ	2 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	63 J	71 R	0.34 U	21 NJ	2 UJ	1.8 UJ
Aroclor-1016	UG/KG	0	0%	0	53	18 UJ	18 UJ	5.8 UJ	18 UJ	20 UJ	18 U
Aroclor-1221	UG/KG	0	0%	0	53	18 U	18 U	1.5 U	18 U	20 U	18 U
Aroclor-1232	UG/KG	0	0%	0	53	18 UJ	18 UJ	8.9 UJ	18 UJ	20 UJ	18 U
Aroclor-1242	UG/KG	58	2%	1	53	18 UJ	18 UJ	2.5 U	18 UJ	20 U	18 U
Aroclor-1248	UG/KG	0	0%	0	53	18 U	18 U	6.1 U	18 U	20 U	18 U
Aroclor-1254	UG/KG	930	17%	9	53	18 UJ	18 UJ	12 UJ	930	20 U	130
Aroclor-1260	UG/KG	85	11%	6	53	22 J	35 J	2.2 UJ	18 UJ	20 U	18 U
Beta-BHC	UG/KG	0	0%	0	53	1.8 UJ	1.8 UJ	0.11 U	1.8 UJ	2 UJ	1.8 UJ
Chlordane	UG/KG	0	0%	0	43	18 U	18 U	2.1 U	18 U	20 U	18 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.8 UJ	1.8 UJ	0.22 UJ	1.8 UJ	2 UJ	1.8 UJ
Dieldrin	UG/KG	41	6%	3	52	41 J	32 R	0.11 UJ	39 J	2 UJ	1.8 UJ
Endosulfan I	UG/KG	190	38%	20	52	65	69 J	0.56 U	27	2 U	18 J
Endosulfan II	UG/KG	9	2%	1	53	1.8 U	1.8 U	0.34 U	16 R	2 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	53	1.8 U	1.8 U	0.67 U	1.8 U	2 U	1.8 U
Endrin	UG/KG	26	4%	2	53	17 J	26 J	0.9 UJ	26 R	2 UJ	1.8 U
Endrin aldehyde	UG/KG	0	0%	0	53	1.8 U	1.8 U	0.9 UJ	1.8 U	2 U	1.8 U
Endrin ketone	UG/KG	7.5	6%	3	53	7.5 J	10 R	0.11 U	3.4 NJ	2 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.8 UJ	1.8 UJ	0.11 U	1.8 UJ	2 UJ	1.8 UJ
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.8 UJ	1.8 UJ	0.34 U	1.8 UJ	2 UJ	1.8 UJ
Heptachlor	UG/KG	14	4%	2	53	1.8 UJ	1.8 UJ	1.1 U	14 J	2 UJ	5.5 R
Heptachlor epoxide	UG/KG	2.8	4%	2	53	20 R	1.8 UJ	0.34 U	27 R	2 UJ	1.8 UJ
Methoxychlor	UG/KG	0	0%	0	53	1.8 U	1.8 U	0.11 U	1.8 U	2 U	1.8 U
Toxaphene	UG/KG	0	0%	0	53	18 U	18 U	3.6 U	18 U	20 U	18 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	3100	3760	10100 J	7610	12000	10100
Antimony	MG/KG	236	79%	42	53	0.98 U	0.99	2.7 J	12.3	1.1 U	5.1
Arsenic	MG/KG	11.6	100%	53	53	4.8	5.5	4.4 J	7.8	4.8	5.2
Barium	MG/KG	2030	100%	53	53	42	45.6	56 J	320	89	191 J
Beryllium	MG/KG	1.2	100%	53	53	0.26 J	0.32 J	0.6 J	0.32 J	0.75	0.55
Cadmium	MG/KG	29.1	60%	32	53	0.56	0.49 J	0.06 U	19	0.14 U	10
Calcium	MG/KG	296000	100%	53	53	199000	157000	84500 J	167000	3790	38300 J
Chromium	MG/KG	74.8	100%	53	53	13	13.8	33.1 J	74.8	19.7	47.4
Cobalt	MG/KG	17.6	74%	39	53	5.9	6.1	11.5 J	13.3	10.6	13.5
Copper	MG/KG	9750	100%	53	53	28.8	34.3	33.8 J	456	14.8	301 J
Cyanide	MG/KG	0	0%	0	10						
Cyanide, Amenable	MG/KG	0	0%	0	43	0.54 U	0.55 U	0.56 U	0.54 U	0.61 U	0.54 U
Cyanide, Total	MG/KG	0	0%	0	43	0.542 U	0.545 U	0.559 U	0.536 U	0.605 U	0.539 U
Iron	MG/KG	51700	100%	53	53	8710	10500	17000 J	51700	24900	36400
Lead	MG/KG	18900	100%	53	53	89.3	94.5	30.9 J	720	19.7	305

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-16	SBDRMO-16	SBDRMO-17	SBDRMO-18	SBDRMO-19	SBDRMO-20
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1074	DRMO-1080	DRMO-1077	DRMO-1081	DRMO-1084	DRMO-1087
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/27/02	10/27/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	17900	13000	8370 J	14800	3740	6400
Manganese	MG/KG	858	100%	53	53	425	390	487 J	567	529	424
Mercury	MG/KG	0.47	89%	47	53	0.07	0.07	0.04	0.47	0.07	0.13
Nickel	MG/KG	224	100%	53	53	19.4 J	22.1 J	32.5 J	77.7	25.9 J	53.5 J
Potassium	MG/KG	1990	100%	53	53	934 J	882 J	1780 J	1300 J	904 J	1560 J
Selenium	MG/KG	1.3	19%	10	53	0.46 U	0.45 U	0.36 U	0.45 U	0.5 U	0.44 U
Silver	MG/KG	21.8	34%	18	53	0.29 U	0.29 U	0.41 U	2.9	0.32 U	5.2
Sodium	MG/KG	606	85%	45	53	276	232	152	273	121	268
Thallium	MG/KG	1.4	19%	10	53	0.34 U	0.33 U	0.64 U	0.33 U	0.37 U	0.32 U
Vanadium	MG/KG	25.4	100%	53	53	11 J	10.7 J	18.1 J	14.3 J	22.4 J	18.8
Zinc	MG/KG	3610	100%	53	53	130 J	135 J	93.7 J	1590 J	85.1 J	1750
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	5200	5300	4600	3900	3900	6900
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	2800 J	6200 J	7600 J	710 J	48 UJ	43 UJ

Note(s):
U = compound was not detected *
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10						
1,2-Dichloropropane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Acetone	UG/KG	13	25%	13	53	3.1 U	3 UJ	16 UJ	3.4 UJ	8.8 J	2.6 UJ
Benzene	UG/KG	41	2%	1	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Bromoform	UG/KG	0	0%	0	53	3.1 U	3 UJ	2.8 UJ	2.7 UJ	2.7 UJ	2.6 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	3.1 UJ	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Chlorobenzene	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Chloroethane	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Chloroform	UG/KG	4	4%	2	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	0.66 J
Meta/Para Xylene	UG/KG	4400	7%	3	43	2 J	3 U	2.8 UJ	2.7 UJ	2.7 U	4.1 J
Methyl bromide	UG/KG	0	0%	0	53	3.1 UJ	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Methyl chloride	UG/KG	0	0%	0	53	3.1 U	3 UJ	2.8 UJ	2.7 UJ	2.7 UJ	2.6 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	2.9 UJ	3 U	3.9 UJ	3.7 UJ	2.7 U	2.6 UJ
Ortho Xylene	UG/KG	16	2%	1	43	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	3.1 U	3 UJ	2.8 UJ	2.7 UJ	2.7 UJ	2.6 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	3.1 U	3 UJ	2.8 UJ	2.7 UJ	2.7 UJ	2.6 UJ
Toluene	UG/KG	28	21%	11	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Total Xylenes	UG/KG	0	0%	0	10						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Trichloroethene	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Vinyl chloride	UG/KG	0	0%	0	53	3.1 U	3 U	2.8 UJ	2.7 UJ	2.7 U	2.6 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	1000 U	1000 U	980 U	890 U	900 U	870 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	1000 U	1000 U	980 UJ	890 U	900 U	870 R
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	410 U	400 U	390 U	350 U	360 U	340 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2-Chlorophenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	410 U	400 U	390 U	69 J	360 U	340 U
2-Methylphenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
2-Nitroaniline	UG/KG	0	0%	0	53	1000 UJ	1000 U	980 U	890 U	900 U	870 UJ
2-Nitrophenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	410 U	400 U	390 U	350 U	360 U	340 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 UJ
3-Nitroaniline	UG/KG	0	0%	0	53	1000 U	1000 U	980 U	890 U	900 U	870 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	1000 U	1000 U	980 U	890 U	900 U	870 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
4-Chloroaniline	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
4-Methylphenol	UG/KG	0	0%	0	10						
4-Nitroaniline	UG/KG	0	0%	0	53	1000 UJ	1000 U	980 U	890 U	900 U	870 U
4-Nitrophenol	UG/KG	0	0%	0	53	1000 U	1000 U	980 U	890 U	900 U	870 UJ
Acenaphthene	UG/KG	2600	25%	13	53	410 U	400 U	390 U	190 J	360 U	340 U
Acenaphthylene	UG/KG	2500	23%	12	53	410 U	400 U	390 U	2500	360 U	340 U
Anthracene	UG/KG	7100	42%	22	53	410 U	400 U	390 U	1200	90 J	340 U
Benzo(a)anthracene	UG/KG	10000	56%	29	52	410 U	400 U	390 U		410	340 U
Benzo(a)pyrene	UG/KG	8700	49%	26	53	410 U	400 U	390 U	6800	320 J	340 UJ
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	410 U	400 U	390 U	8000	400	50 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	410 UJ	400 UJ	390 U	2100 J	180 J	110 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	410 U	400 U	390 U	2700 J	200 J	340 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	410 U	400 UJ	390 U	350 U	360 U	340 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	410 UJ	400 U	390 U	66 J	53 J	340 UJ
Butylbenzylphthalate	UG/KG	120	11%	6	53	410 UJ	400 U	390 U	350 U	360 U	340 UJ
Carbazole	UG/KG	4200	36%	19	53	410 U	400 U	390 U	88 J	360 U	340 U
Chrysene	UG/KG	9100	54%	28	52	410 U	400 U	390 U		400	340 UJ
Di-n-butylphthalate	UG/KG	73	9%	5	53	410 U	400 U	390 U	350 U	360 U	340 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	410 U	400 U	390 U	350 U	360 U	340 UJ
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	410 UJ	400 UJ	390 U	210 J	360 U	340 UJ
Dibenzofuran	UG/KG	1700	23%	12	53	410 U	400 U	390 U	140 J	360 U	340 U
Diethyl phthalate	UG/KG	11	13%	7	53	410 U	400 U	390 U	350 U	360 U	340 U
Dimethylphthalate	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Fluoranthene	UG/KG	27000	74%	39	53	410 U	400 U	390 U	7700	670	53 J
Fluorene	UG/KG	3500	28%	15	53	410 U	400 U	390 U	560	360 U	340 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	410 U	400 U	390 U	350 U	360 U	340 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 UJ	360 U	340 UJ
Hexachloroethane	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	410 UJ	400 UJ	390 U	740	170 J	60 J
Isophorone	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	410 U	400 U	390 U	350 U	360 U	340 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 UJ
Naphthalene	UG/KG	400	21%	11	53	410 U	400 U	390 U	59 J	360 U	340 U
Nitrobenzene	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Pentachlorophenol	UG/KG	0	0%	0	53	1000 U	1000 U	980 U	890 U	900 U	870 U
Phenanthrene	UG/KG	29000	53%	28	53	410 U	400 U	390 U	4400	440	340 U
Phenol	UG/KG	0	0%	0	53	410 U	400 U	390 U	350 U	360 U	340 U
Pyrene	UG/KG	34000	68%	36	53	410 UJ	400 U	390 U	16000	700	130 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	2.1 UJ	2 UJ	0.24 U	0.22 U	1.8 UJ	1.8 R
4,4'-DDE	UG/KG	69	32%	17	53	2.1 UJ	2 UJ	0.24 UJ	0.22 UJ	47 J	6.1 J
4,4'-DDT	UG/KG	100	28%	15	53	2.1 UJ	2 UJ	0.24 UJ	0.22 UJ	27 J	1.8 UJ
Aldrin	UG/KG	19	8%	4	53	2.1 UJ	2 UJ	0.12 U	0.11 U	1.8 UJ	1.8 UJ
Alpha-BHC	UG/KG	0	0%	0	53	2.1 UJ	2 UJ	1.4 U	1.3 U	1.8 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	2.1 UJ	2 UJ	0.35 U	0.32 U	1.8 UJ	6.1 J
Aroclor-1016	UG/KG	0	0%	0	53	21 UJ	20 UJ	6.1 UJ	5.6 UJ	18 UJ	18 U
Aroclor-1221	UG/KG	0	0%	0	53	21 U	20 U	1.5 U	1.4 U	18 U	18 U
Aroclor-1232	UG/KG	0	0%	0	53	21 UJ	20 UJ	9.5 UJ	8.6 UJ	18 UJ	18 U
Aroclor-1242	UG/KG	58	2%	1	53	21 UJ	20 UJ	2.6 U	2.4 U	18 U	18 U
Aroclor-1248	UG/KG	0	0%	0	53	21 U	20 U	6.5 U	5.9 U	18 U	18 U
Aroclor-1254	UG/KG	930	17%	9	53	21 U	20 UJ	13 UJ	11 UJ	570	18 U
Aroclor-1260	UG/KG	85	11%	6	53	21 UJ	9 J	2.4 UJ	2.1 UJ	18 U	18 U
Beta-BHC	UG/KG	0	0%	0	53	2.1 UJ	2 UJ	0.12 U	0.11 U	1.8 UJ	1.8 U
Chlordane	UG/KG	0	0%	0	43	21 U	20 U	2.2 U	2.1 U	18 U	18 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	2.1 UJ	2 UJ	0.24 UJ	0.22 UJ	1.8 UJ	1.8 UJ
Dieldrin	UG/KG	41	6%	3	52	2.1 UJ	2 UJ	0.12 UJ	0.11 \UJ	1.8 UJ	1.8 UJ
Endosulfan I	UG/KG	190	38%	20	52	2.1 U	2 U	0.59 U	0.54 U	14 J	6.1
Endosulfan II	UG/KG	9	2%	1	53	2.1 U	2 U	0.35 U	9	1.8 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	53	2.1 U	2 U	0.71 U	0.65 U	1.8 U	1.8 U
Endrin	UG/KG	26	4%	2	53	2.1 U	2 UJ	0.94 UJ	0.86 UJ	1.8 UJ	1.8 UJ
Endrin aldehyde	UG/KG	0	0%	0	53	2.1 U	2 U	0.94 UJ	0.86 UJ	1.8 U	1.8 U
Endrin ketone	UG/KG	7.5	6%	3	53	2.1 U	2 U	0.12 U	0.11 U	1.8 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	2.1 UJ	2 UJ	0.12 U	0.11 U	1.8 UJ	1.8 UJ
Gamma-Chlordane	UG/KG	1.2	2%	1	53	2.1 UJ	2 UJ	0.35 U	0.32 U	1.8 UJ	1.8 U
Heptachlor	UG/KG	14	4%	2	53	2.1 UJ	2 UJ	1.2 U	1.1 U	1.8 UJ	1.8 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	2.1 UJ	2 UJ	0.35 U	0.32 U	18 R	1.8 U
Methoxychlor	UG/KG	0	0%	0	53	2.1 U	2 U	0.12 U	0.11 U	1.8 U	1.8 UJ
Toxaphene	UG/KG	0	0%	0	53	21 U	20 U	3.8 U	3.5 U	18 U	18 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	11800	11500	9940 J	8510 J	8650	8030
Antimony	MG/KG	236	79%	42	53	1.1 U	1.1 U	0.65 J	8.5 J	67.3	1.5
Arsenic	MG/KG	11.6	100%	53	53	4.1	7.3	3.7 J	5 J	6.1	3.7
Barium	MG/KG	2030	100%	53	53	134 J	103	105 J	1680	273	37.9 J
Beryllium	MG/KG	1.2	100%	53	53	0.73	0.68	0.57 J	0.46 J	0.46 J	0.44 J
Cadmium	MG/KG	29.1	60%	32	53	0.15 U	0.14 U	0.06 U	17.9 J	10.7	0.2 J
Calcium	MG/KG	296000	100%	53	53	29400 J	37700	56300 J	114000 J	97900	36500 J
Chromium	MG/KG	74.8	100%	53	53	16.3	19.3	16.4 J	37.7 J	20.4	38.8
Cobalt	MG/KG	17.6	74%	39	53	9.3	12.5	7.8 J	14 J	11.7	9.5
Copper	MG/KG	9750	100%	53	53	18.9 J	26	21.7 J	347 J	168	34.6 J
Cyanide	MG/KG	0	0%	0	10						
Cyanide, Amenable	MG/KG	0	0%	0	43	0.62 U	0.6 U	0.59 U	0.54 U	0.54 U	0.52 U
Cyanide, Total	MG/KG	0	0%	0	43	0.62 U	0.603 U	0.594 U	0.544 U	0.542 U	0.525 U
Iron	MG/KG	51700	100%	53	53	19300	23500	14900 J	25100 J	22900	18300
Lead	MG/KG	18900	100%	53	53	12.8	28.5	17.5 J	399 J	2690	66.9

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-21	SBDRMO-22	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1090	DRMO-1091	DRMO-1095	DRMO-1098	DRMO-1040	DRMO-1043
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/27/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	13100	8150	15600 J	9010 J	8170	5080
Manganese	MG/KG	858	100%	53	53	472	536	419 J	728 J	369	348
Mercury	MG/KG	0.47	89%	47	53	0.05	0.07	0.04	0.06	0.08	0.04
Nickel	MG/KG	224	100%	53	53	22.5 J	29.8 J	22 J	37 J	35.8 J	31.8 J
Potassium	MG/KG	1990	100%	53	53	1020 J	1030 J	1510 J	1530 J	1490 J	1220 J
Selenium	MG/KG	1.3	19%	10	53	0.52 U	0.51 U	0.39 U	0.36 U	0.44 U	0.44 U
Silver	MG/KG	21.8	34%	18	53	0.33 U	0.33 U	0.44 UJ	0.55 J	0.85 J	0.28 U
Sodium	MG/KG	606	85%	45	53	137	120 U	157	241	240	223
Thallium	MG/KG	1.4	19%	10	53	0.38 U	0.37 U	0.68 U	1.1 J	0.33 U	0.33 U
Vanadium	MG/KG	25.4	100%	53	53	20	20.8 J	16.9 J	12.2 J	17.1 J	12.9
Zinc	MG/KG	3610	100%	53	53	63.9	89.6 J	55.3 J	786 J	541 J	123
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	6300	5800	2800	4900	4200	3300
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	50 UJ	48 UJ	48 UJ	44 UJ	520 J	42 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 UJ	3 UJ	11 UJ	11 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	2.7 UJ	2.8 U	3.3 UJ	3 UJ	11 UJ	11 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10					11 UJ	11 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Acetone	UG/KG	13	25%	13	53	4.6 U	8.5 J	11 J	3 UJ	10 J	11 UJ
Benzene	UG/KG	41	2%	1	53	2.7 U	2.8 U	3.3 U	41	11 UJ	11 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Bromoform	UG/KG	0	0%	0	53	2.7 U	2.8 UJ	3.3 U	3 UJ	11 UJ	11 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	2.7 U	2.8 U	3.3 U	4.7	11 UJ	11 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	2.7 UJ	2.8 U	3.3 UJ	3 UJ	11 UJ	11 UJ
Chlorobenzene	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Chloroethane	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Chloroform	UG/KG	4	4%	2	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.7 U	2.8 U	3.3 U	3 UJ		
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	2.7 U	2.8 U	3.3 U	3300 J	11 UJ	11 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43	2.7 U	2.8 U	3.3 U	4400 J		
Methyl bromide	UG/KG	0	0%	0	53	2.7 UJ	2.8 U	3.3 UJ	3 UJ	11 UJ	11 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	2.7 UJ	2.8 U	3.3 UJ	3 UJ	11 UJ	11 UJ
Methyl chloride	UG/KG	0	0%	0	53	2.7 UJ	2.8 UJ	3.3 U	3 UJ	11 UJ	11 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	2.7 UJ	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Ortho Xylene	UG/KG	16	2%	1	43	2.7 U	2.8 U	3.3 U	16		

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	2.7 U	2.8 UJ	3.3 U	3 UJ	11 UJ	11 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	2.7 U	2.8 UJ	3.3 U	3 UJ	11 UJ	11 UJ
Toluene	UG/KG	28	21%	11	53	2.7 U	2.8 U	3.3 U	4.9	9 J	28 J
Total Xylenes	UG/KG	0	0%	0	10					11 UJ	11 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.7 U	2.8 U	3.3 U	3 UJ		
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Trichloroethene	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Vinyl chloride	UG/KG	0	0%	0	53	2.7 U	2.8 U	3.3 U	3 UJ	11 UJ	11 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	880 U	920 U	1000 U	990 U	180 U	170 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	880 UJ	920 U	1000 U	990 UJ	180 U	170 U
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	350 U	370 U	400 U	390 U	72 U	69 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2-Chlorophenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	350 U	370 U	400 U	390 U	72 U	69 U
2-Methylphenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
2-Nitroaniline	UG/KG	0	0%	0	53	880 U	920 U	1000 UJ	990 U	180 U	170 U
2-Nitrophenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	350 U	370 U	400 U	390 U		
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	350 UJ	370 U	400 U	390 U	72 U	69 U
3-Nitroaniline	UG/KG	0	0%	0	53	880 U	920 U	1000 U	990 U	180 U	170 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	880 UJ	920 U	1000 U	990 U	180 U	170 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
4-Chloroaniline	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
4-Methylphenol	UG/KG	0	0%	0	10					72 U	69 U
4-Nitroaniline	UG/KG	0	0%	0	53	880 U	920 U	1000 UJ	990 U	180 U	170 U
4-Nitrophenol	UG/KG	0	0%	0	53	880 U	920 U	1000 U	990 U	180 U	170 U
Acenaphthene	UG/KG	2600	25%	13	53	350 U	370 U	400 U	390 U	72 U	6.5 J
Acenaphthylene	UG/KG	2500	23%	12	53	350 U	370 U	400 U	390 U	72 U	69 U
Anthracene	UG/KG	7100	42%	22	53	350 U	370 U	400 U	390 U	72 U	6.5 J
Benzo(a)anthracene	UG/KG	10000	56%	29	52	350 UJ	370 U	400 U	390 U	72 U	30 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	350 UJ	370 U	400 U	390 U	72 U	28 J
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	350 UJ	370 U	400 U	390 U	72 U	40 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	57 J	370 U	400 UJ	390 U	72 U	15 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	350 UJ	370 U	400 U	390 U	72 U	29 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	350 UJ	370 U	49 J	46 J	7.2 J	9.2 J
Butylbenzylphthalate	UG/KG	120	11%	6	53	350 UJ	370 U	400 UJ	390 U	72 U	7.8 J
Carbazole	UG/KG	4200	36%	19	53	350 U	370 U	400 U	390 U	72 U	14 J
Chrysene	UG/KG	9100	54%	28	52	350 UJ	370 U	400 U	390 U	72 U	35 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	350 U	370 U	400 U	390 U	8.2 J	69 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	350 UJ	370 U	400 U	390 U	72 U	3.8 J
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	350 UJ	370 U	400 UJ	390 U	72 U	7.6 J
Dibenzofuran	UG/KG	1700	23%	12	53	350 U	370 U	400 U	390 U	72 U	69 U
Diethyl phthalate	UG/KG	11	13%	7	53	350 U	370 U	400 U	390 U	11 J	9.4 J
Dimethylphthalate	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Fluoranthene	UG/KG	27000	74%	39	53	38 J	370 U	400 U	390 U	72 U	65 J
Fluorene	UG/KG	3500	28%	15	53	350 U	370 U	400 U	390 U	72 U	5 J

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	350 U	370 U	400 U	390 U	72 U	69 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	350 UJ	370 UJ	400 U	390 UJ	72 U	69 U
Hexachloroethane	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	350 UJ	370 U	400 UJ	390 U	72 U	17 J
Isophorone	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	350 U	370 U	400 U	390 U	72 U	69 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	350 U	370 U	400 UJ	390 U	72 U	69 U
Naphthalene	UG/KG	400	21%	11	53	350 U	370 U	400 U	390 U	72 U	4 J
Nitrobenzene	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Pentachlorophenol	UG/KG	0	0%	0	53	880 U	920 U	1000 U	990 U	180 U	170 UJ
Phenanthrene	UG/KG	29000	53%	28	53	350 U	370 U	400 U	390 U	72 U	38 J
Phenol	UG/KG	0	0%	0	53	350 U	370 U	400 U	390 U	72 U	69 U
Pyrene	UG/KG	34000	68%	36	53	78 J	370 U	400 UJ	390 U	72 U	53 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	1.8 UJ	1.9 UJ	2 R	2 R	3.6 U	3.5 U
4,4'-DDE	UG/KG	69	32%	17	53	6.3 J	1.9 UJ	2 UJ	2 UJ	3.6 U	3.5 U
4,4'-DDT	UG/KG	100	28%	15	53	1.8 UJ	1.9 UJ	2 UJ	2 UJ	3.6 U	3.5 U
Aldrin	UG/KG	19	8%	4	53	1.8 UJ	1.9 UJ	2 UJ	2 UJ	1.9 U	1.8 U
Alpha-BHC	UG/KG	0	0%	0	53	1.8 UJ	1.9 UJ	2 UJ	2 UJ	1.9 U	1.8 U
Alpha-Chlordane	UG/KG	63	9%	5	53	4.7 J	1.9 UJ	2 UJ	2 UJ	1.9 U	1.8 U
Aroclor-1016	UG/KG	0	0%	0	53	18 U	19 UJ	20 UJ	20 UJ	36 U	35 U
Aroclor-1221	UG/KG	0	0%	0	53	18 U	19 U	20 U	20 U	74 U	70 U
Aroclor-1232	UG/KG	0	0%	0	53	18 U	19 UJ	20 UJ	20 UJ	36 U	35 U
Aroclor-1242	UG/KG	58	2%	1	53	18 U	19 U	20 UJ	20 UJ	36 U	35 U
Aroclor-1248	UG/KG	0	0%	0	53	18 U	19 U	20 U	20 U	36 U	35 U
Aroclor-1254	UG/KG	930	17%	9	53	18 U	19 U	20 U	20 U	36 U	35 U
Aroclor-1260	UG/KG	85	11%	6	53	18 U	19 U	20 UJ	20 UJ	36 U	35 U
Beta-BHC	UG/KG	0	0%	0	53	1.8 UJ	1.9 UJ	2 U	2 U	1.9 U	1.8 U
Chlordane	UG/KG	0	0%	0	43	18 U	19 U	20 U	20 U		

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.8 UJ	1.9 UJ	2 UJ	2 UJ	1.9 U	1.8 U
Dieldrin	UG/KG	41	6%	3	52	1.8 UJ	1.9 UJ	2 UJ	2 UJ	3.6 U	3.5 U
Endosulfan I	UG/KG	190	38%	20	52	5.4	1.9 U	2 U	2 U	1.9 U	1.8 U
Endosulfan II	UG/KG	9	2%	1	53	1.8 U	1.9 U	2 U	2 U	3.6 U	3.5 U
Endosulfan sulfate	UG/KG	0	0%	0	53	1.8 U	1.9 U	2 U	2 U	3.6 U	3.5 U
Endrin	UG/KG	26	4%	2	53	1.8 U	1.9 UJ	2 UJ	2 UJ	3.6 U	3.5 U
Endrin aldehyde	UG/KG	0	0%	0	53	1.8 U	1.9 U	2 U	2 U	3.6 U	3.5 U
Endrin ketone	UG/KG	7.5	6%	3	53	1.8 U	1.9 U	2 U	2 U	3.6 U	3.5 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.8 UJ	1.9 UJ	2 UJ	2 UJ	1.9 U	1.8 U
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.8 UJ	1.9 UJ	2 U	2 U	1.9 U	1.8 U
Heptachlor	UG/KG	14	4%	2	53	1.8 UJ	1.9 UJ	2 U	2 U	1.9 U	1.8 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	1.8 UJ	1.9 UJ	2 U	2 U	1.9 U	1.8 U
Methoxychlor	UG/KG	0	0%	0	53	1.8 U	1.9 U	2 UJ	2 UJ	19 U	18 U
Toxaphene	UG/KG	0	0%	0	53	18 U	19 U	20 U	20 U	190 U	180 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	11100	12600	17000	11900	12800	12600
Antimony	MG/KG	236	79%	42	53	0.96 U	1.3	1.1 U	1.1 U	2.5 J	2.2 J
Arsenic	MG/KG	11.6	100%	53	53	4.7	6.1	4.9	5.4	5.2	6.3
Barium	MG/KG	2030	100%	53	53	66.7 J	101	75.1 J	82.6 J	57.7	252
Beryllium	MG/KG	1.2	100%	53	53	0.6	0.74	1.2	0.68	0.56	0.48
Cadmium	MG/KG	29.1	60%	32	53	0.13 U	0.13 U	0.14 U	0.14 U	21.1	7.1
Calcium	MG/KG	296000	100%	53	53	41400 J	19300	2100 J	41800 J	11800	53100
Chromium	MG/KG	74.8	100%	53	53	38.6	22.5	28.4	20.8	32.9	45.7
Cobalt	MG/KG	17.6	74%	39	53	14.2	15.2	17	12.7	14	15.5
Copper	MG/KG	9750	100%	53	53	39.6 J	35	21.4 J	26.2 J	139 J	324 J
Cyanide	MG/KG	0	0%	0	10					0.62 U	0.53 U
Cyanide, Amenable	MG/KG	0	0%	0	43	0.53 U	0.56 U	0.6 U	0.61 U		
Cyanide, Total	MG/KG	0	0%	0	43	0.535 U	0.558 U	0.602 U	0.606 U		
Iron	MG/KG	51700	100%	53	53	24200	27900	32700	22200	41300	43600
Lead	MG/KG	18900	100%	53	53	56.3	43.4	7.3	28.3	78.2 J	251

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-6	SBDRMO-7	SBDRMO-8	SBDRMO-9	SS121C-1	SS121C-2
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1050	DRMO-1046	DRMO-1049	DRMO-1053	EB235	EB236
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	0.2	0.2
Sample Date						10/25/02	10/27/02	10/25/02	10/25/02	3/9/98	3/9/98
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	6940	6510	5780	6590	6220	12800
Manganese	MG/KG	858	100%	53	53	376	620	444	424	364	403
Mercury	MG/KG	0.47	89%	47	53	0.03	0.06	0.03	0.03	0.05 U	0.1
Nickel	MG/KG	224	100%	53	53	44.4 J	43.8 J	45.9 J	34.2 J	58.6	224
Potassium	MG/KG	1990	100%	53	53	1770 J	1080 J	972 J	1650 J	1480	1890
Selenium	MG/KG	1.3	19%	10	53	0.45 U	0.47 U	0.5 U	0.5 U	1 U	0.99 U
Silver	MG/KG	21.8	34%	18	53	0.29 U	0.3 U	0.32 U	0.32 U	21.8	1.3
Sodium	MG/KG	606	85%	45	53	277	146	154	191	223	196
Thallium	MG/KG	1.4	19%	10	53	0.33 U	0.34 U	0.37 U	0.37 U	1.4 UJ	1.3 UJ
Vanadium	MG/KG	25.4	100%	53	53	17.9	22.5 J	25.4	20.4	18.6	20.1
Zinc	MG/KG	3610	100%	53	53	196	91.7 J	67.6	106	585	431
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	8500	3200	4200	3800		
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	43 UJ	45 UJ	48 UJ	600 UJ		

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10	11 U	11 U				
1,2-Dichloropropane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Acetone	UG/KG	13	25%	13	53	11 U	11 U	2.9 UJ	10 J	2.7 UJ	2.9 UJ
Benzene	UG/KG	41	2%	1	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Bromoform	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	11 U	11 U	2.9 UJ	2.2 J	2.7 UJ	2.9 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Chlorobenzene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Chloroethane	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Chloroform	UG/KG	4	4%	2	53	11 U	4 J	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43			2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43			2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methyl bromide	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methyl chloride	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Ortho Xylene	UG/KG	16	2%	1	43			2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Toluene	UG/KG	28	21%	11	53	4 J	16	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Total Xylenes	UG/KG	0	0%	0	10	11 U	11 U				
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43			2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Trichloroethene	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Vinyl chloride	UG/KG	0	0%	0	53	11 U	11 U	2.9 UJ	2.7 UJ	2.7 UJ	2.9 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 UJ	890 U	890 U
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	180 U	170 U	380 U	370 U	350 U	360 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2-Chlorophenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	18 J	9.9 J	380 U	370 U	610	360 U
2-Methylphenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
2-Nitroaniline	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U
2-Nitrophenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43			380 U	370 U	350 U	360 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 UJ	360 U
3-Nitroaniline	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 UJ	890 U	890 UJ
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
4-Chloroaniline	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
4-Methylphenol	UG/KG	0	0%	0	10	180 U	170 U				
4-Nitroaniline	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U
4-Nitrophenol	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U
Acenaphthene	UG/KG	2600	25%	13	53	50 J	52 J	380 U	370 U	2600	360 U
Acenaphthylene	UG/KG	2500	23%	12	53	180 U	170 U	380 U	370 U	61 J	360 U
Anthracene	UG/KG	7100	42%	22	53	96 J	70 J	380 U	370 U	7100	360 U
Benzo(a)anthracene	UG/KG	10000	56%	29	52	420	320	380 U	370 U	10000 J	360 U
Benzo(a)pyrene	UG/KG	8700	49%	26	53	370	260	380 U	370 U	8700 J	360 U
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	530	310	47 J	40 J	12000 J	360 U
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	380	190	380 U	370 UJ	2800 J	360 UJ
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	340	390	380 UJ	370 UJ	7500 J	360 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 UJ	350 U	360 UJ
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 UJ	350 U	360 UJ
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	200	52 J	57 J	37 J	91 J	360 U
Butylbenzylphthalate	UG/KG	120	11%	6	53	24 J	10 J	380 UJ	370 U	350 UJ	360 U
Carbazole	UG/KG	4200	36%	19	53	130 J	100 J	380 U	370 U	4200	360 U
Chrysene	UG/KG	9100	54%	28	52	510	360	380 U	370 U	9100 J	360 U
Di-n-butylphthalate	UG/KG	73	9%	5	53	50 J	20 J	380 U	370 U	350 U	360 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	180 U	170 U	380 U	370 U	350 UJ	360 U
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	150 J	79 J	380 U	370 U	370 J	360 U
Dibenzofuran	UG/KG	1700	23%	12	53	22 J	22 J	380 U	370 U	1700	360 U
Diethyl phthalate	UG/KG	11	13%	7	53	11 J	170 U	380 U	370 U	350 U	360 U
Dimethylphthalate	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Fluoranthene	UG/KG	27000	74%	39	53	820	760	83 J	56 J	27000	43 J
Fluorene	UG/KG	3500	28%	15	53	41 J	43 J	380 U	370 U	3500	360 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	180 U	170 U	380 U	370 U	350 U	360 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	180 U	170 U	380 UJ	370 UJ	350 UJ	360 UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Hexachloroethane	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	350	180	380 UJ	370 UJ	740 J	360 UJ
Isophorone	UG/KG	0	0%	0	53	180 U	170 U	380 UJ	370 UJ	350 UJ	360 UJ
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	180 U	170 U	380 U	370 U	350 U	360 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Naphthalene	UG/KG	400	21%	11	53	14 J	12 J	380 U	370 U	400	360 U
Nitrobenzene	UG/KG	0	0%	0	53	180 U	170 U	380 UJ	370 UJ	350 UJ	360 UJ
Pentachlorophenol	UG/KG	0	0%	0	53	440 U	420 U	960 U	920 U	890 U	890 U
Phenanthrene	UG/KG	29000	53%	28	53	520	440	380 U	370 U	29000	360 U
Phenol	UG/KG	0	0%	0	53	180 U	170 U	380 U	370 U	350 U	360 U
Pyrene	UG/KG	34000	68%	36	53	820	580	61 J	42 J	34000 J	360 U
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	7.4	3.5 U	2 UJ	1.9 J	5.5 J	1.8 UJ
4,4'-DDE	UG/KG	69	32%	17	53	69 J	50	2 UJ	7.1 J	13 NJ	1.8 UJ
4,4'-DDT	UG/KG	100	28%	15	53	100 J	37	2 UJ	3.5 J	19 J	1.8 UJ
Aldrin	UG/KG	19	8%	4	53	1.9 U	1.8 U	2 U	1.9 U	4.5	1.8 U
Alpha-BHC	UG/KG	0	0%	0	53	1.9 U	1.8 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	1.9 U	1 J	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Aroclor-1016	UG/KG	0	0%	0	53	36 U	35 U	20 U	19 U	18 U	18 U
Aroclor-1221	UG/KG	0	0%	0	53	74 U	71 U	20 U	19 U	18 U	18 U
Aroclor-1232	UG/KG	0	0%	0	53	36 U	35 U	20 U	19 U	18 U	18 U
Aroclor-1242	UG/KG	58	2%	1	53	36 U	58 J	20 U	19 U	18 U	18 U
Aroclor-1248	UG/KG	0	0%	0	53	36 U	35 U	20 U	19 U	18 U	18 U
Aroclor-1254	UG/KG	930	17%	9	53	72	79	20 UJ	19 UJ	230 J	18 UJ
Aroclor-1260	UG/KG	85	11%	6	53	85 J	36 J	20 UJ	19 UJ	18 UJ	18 UJ
Beta-BHC	UG/KG	0	0%	0	53	1.9 U	1.8 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Chlordane	UG/KG	0	0%	0	43			20 U	19 U	18 U	18 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.2 J	2 J	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Dieldrin	UG/KG	41	6%	3	52	3.6 U	3.5 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Endosulfan I	UG/KG	190	38%	20	52	1.9 U	1.8 U	2 UJ	9.6 J	25 J	1.8 UJ
Endosulfan II	UG/KG	9	2%	1	53	3.6 U	3.5 U	2 U	1.9 U	1.8 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	53	3.6 U	3.5 U	2 U	1.9 U	1.8 U	1.8 U
Endrin	UG/KG	26	4%	2	53	3.6 U	3.5 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Endrin aldehyde	UG/KG	0	0%	0	53	3.6 U	3.5 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Endrin ketone	UG/KG	7.5	6%	3	53	3.8 J	3.5 U	2 U	1.9 U	1.8 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.9 U	1.8 U	2 UJ	1.9 UJ	1.8 UJ	1.8 U
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.9 U	1.2 J	2 U	1.9 U	1.8 U	1.8 UJ
Heptachlor	UG/KG	14	4%	2	53	2.1 J	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	2.8 J	1.4 J	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Methoxychlor	UG/KG	0	0%	0	53	19 U	18 U	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Toxaphene	UG/KG	0	0%	0	53	190 U	180 U	20 U	19 U	18 U	18 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	7650	2700	11300	9400	9050	8530
Antimony	MG/KG	236	79%	42	53	3.4 J	2.9 J	2.7 J	1.6 J	3.2 J	1.2 J
Arsenic	MG/KG	11.6	100%	53	53	6.4	5.4	5.9	5.9	5.8	5
Barium	MG/KG	2030	100%	53	53	394	90.6	68.6 J	91.6 J	53.7 J	38.5
Beryllium	MG/KG	1.2	100%	53	53	0.3	0.21	0.63	0.51	0.47	0.42
Cadmium	MG/KG	29.1	60%	32	53	18.5	12.6	1	1.7	4.3	0.47
Calcium	MG/KG	296000	100%	53	53	129000	296000	30700 J	35600 J	38800 J	38800 J
Chromium	MG/KG	74.8	100%	53	53	49.2	9.2	20 J	17.7 J	26 J	16.9 J
Cobalt	MG/KG	17.6	74%	39	53	11.3	9.6	11.5 R	15.5 R	12.3 R	12.6 R
Copper	MG/KG	9750	100%	53	53	383 J	532 J	33.6 J	34.3 J	77.2 J	38.5 J
Cyanide	MG/KG	0	0%	0	10	0.59 U	0.54 U				
Cyanide, Amenable	MG/KG	0	0%	0	43			0.58 U	0.56 U	0.54 U	0.54 U
Cyanide, Total	MG/KG	0	0%	0	43			0.582 U	0.556 U	0.54 U	0.542 U
Iron	MG/KG	51700	100%	53	53	35000	8050	25100	24200	26000	21600
Lead	MG/KG	18900	100%	53	53	577 J	171 J	46.1	33.5	129	28.6

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SS121C-3	SS121C-4	SSDRMO-10	SSDRMO-11	SSDRMO-12	SSDRMO-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB237	EB241	DRMO-1006	DRMO-1007	DRMO-1008	DRMO-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/9/98	3/10/98	10/23/02	10/23/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	8770	15400	5270	5250	6070	6010
Manganese	MG/KG	858	100%	53	53	494	407	534	858	376	314
Mercury	MG/KG	0.47	89%	47	53	0.15	0.13	0.04	0.04	0.06	0.03
Nickel	MG/KG	224	100%	53	53	62.5	19.5	31.7 J	40.9 J	42.3 J	38.7 J
Potassium	MG/KG	1990	100%	53	53	1600	1290	980 J	891 J	958 J	820 J
Selenium	MG/KG	1.3	19%	10	53	1 U	1 U	0.5 J	0.93	1	1.2
Silver	MG/KG	21.8	34%	18	53	4.7	2.1	0.31 U	0.29 U	0.56	0.29 U
Sodium	MG/KG	606	85%	45	53	255	147	205	191	195	106 U
Thallium	MG/KG	1.4	19%	10	53	1.4 UJ	1.3 UJ	0.36 U	0.55	0.55 J	0.58 J
Vanadium	MG/KG	25.4	100%	53	53	21.5	8.5	19.4 J	17 J	15.2 J	13.2 J
Zinc	MG/KG	3610	100%	53	53	525	250	82.6 J	309 J	247 J	134 J
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43			5100	5500	7600	4600
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43			47 U	44 U	43 U	43 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10						
1,2-Dichloropropane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Acetone	UG/KG	13	25%	13	53	3.1 UJ	21 U	11 U	5.2 U	19 U	9.9 J
Benzene	UG/KG	41	2%	1	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Bromoform	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Chlorobenzene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Chloroethane	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Chloroform	UG/KG	4	4%	2	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methyl bromide	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methyl chloride	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	3.1 UJ	4.1 U	3.9 U	3.8 U	4.5 U	3.2 UJ
Ortho Xylene	UG/KG	16	2%	1	43	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Toluene	UG/KG	28	21%	11	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Total Xylenes	UG/KG	0	0%	0	10						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Trichloroethene	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Vinyl chloride	UG/KG	0	0%	0	53	3.1 UJ	3.1 U	2.9 U	3.3 U	3.2 U	3.2 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 U	1000 U	1000 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	910 UJ	1000 UJ	960 UJ	960 UJ	1000 UJ	1000 UJ
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	360 U	400 U	380 U	380 U	410 U	410 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2-Chlorophenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	360 U	400 U	380 U	380 U	410 U	410 U
2-Methylphenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
2-Nitroaniline	UG/KG	0	0%	0	53	910 UJ	1000 U	960 U	960 U	1000 U	1000 U
2-Nitrophenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	360 U	400 U	380 U	380 U	410 U	410 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
3-Nitroaniline	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 UJ	1000 U	1000 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
4-Chloroaniline	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
4-Methylphenol	UG/KG	0	0%	0	10						
4-Nitroaniline	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 U	1000 U	1000 U
4-Nitrophenol	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 U	1000 U	1000 U
Acenaphthene	UG/KG	2600	25%	13	53	360 U	400 U	380 U	380 U	410 U	410 U
Acenaphthylene	UG/KG	2500	23%	12	53	360 U	400 U	380 U	380 U	410 U	410 U
Anthracene	UG/KG	7100	42%	22	53	86 J	400 U	380 U	380 U	410 U	410 U
Benzo(a)anthracene	UG/KG	10000	56%	29	52	320 J	78 J	380 U	380 U	55 J	410 U
Benzo(a)pyrene	UG/KG	8700	49%	26	53	360 J	74 J	380 U	380 U	410 U	410 U
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	540	98 J	380 U	380 U	77 J	410 U
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	120 J	400 U	380 U	380 U	410 U	410 U
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	230 J	400 UJ	380 UJ	380 U	410 UJ	410 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	360 UJ	400 U	380 U	380 U	410 U	410 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	360 U	400 UJ	380 UJ	380 U	410 UJ	410 UJ
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	98 J	400 U	380 U	380 U	410 U	410 U
Butylbenzylphthalate	UG/KG	120	11%	6	53	120 J	400 U	380 U	380 U	410 U	410 U
Carbazole	UG/KG	4200	36%	19	53	56 J	400 U	380 U	380 U	410 U	410 U
Chrysene	UG/KG	9100	54%	28	52	340 J	94 J	380 U	380 U	410 U	410 U
Di-n-butylphthalate	UG/KG	73	9%	5	53	360 U	400 U	380 U	380 U	410 U	410 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	360 U	400 U	380 U	380 U	410 U	410 U
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	360 U	400 U	380 U	380 U	410 U	410 U
Dibenzofuran	UG/KG	1700	23%	12	53	360 U	400 U	380 U	380 U	410 U	410 U
Diethyl phthalate	UG/KG	11	13%	7	53	360 U	400 U	380 U	380 U	410 U	410 U
Dimethylphthalate	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
Fluoranthene	UG/KG	27000	74%	39	53	710	170 J	39 J	380 U	110 J	410 U
Fluorene	UG/KG	3500	28%	15	53	360 U	400 U	380 U	380 U	410 U	410 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	360 U	400 U	380 U	380 U	410 U	410 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	360 UJ	400 U	380 U	380 U	410 U	410 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 UJ	410 U	410 U
Hexachloroethane	UG/KG	0	0%	0	53	360 U	400 U	380 UJ	380 U	410 UJ	410 UJ
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	67 J	400 U	380 U	380 U	410 U	410 U
Isophorone	UG/KG	0	0%	0	53	360 UJ	400 U	380 U	380 U	410 U	410 U
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	360 U	400 U	380 U	380 U	410 U	410 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
Naphthalene	UG/KG	400	21%	11	53	360 U	400 U	380 U	380 U	410 U	410 U
Nitrobenzene	UG/KG	0	0%	0	53	360 UJ	400 UJ	380 UJ	380 U	410 UJ	410 UJ
Pentachlorophenol	UG/KG	0	0%	0	53	910 U	1000 U	960 U	960 U	1000 U	1000 U
Phenanthrene	UG/KG	29000	53%	28	53	370	110 J	380 U	380 U	410 U	410 U
Phenol	UG/KG	0	0%	0	53	360 U	400 U	380 U	380 U	410 U	410 U
Pyrene	UG/KG	34000	68%	36	53	530	150 J	380 U	380 U	87 J	410 U
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	1.9 UJ	0.25 U	0.23 U	0.23 U	0.25 U	0.25 U
4,4'-DDE	UG/KG	69	32%	17	53	6.6 J	0.25 UJ	0.23 UJ	0.23 UJ	0.25 UJ	0.25 UJ
4,4'-DDT	UG/KG	100	28%	15	53	1.9 UJ	0.25 UJ	0.23 UJ	0.23 UJ	0.25 UJ	0.25 UJ
Aldrin	UG/KG	19	8%	4	53	1.9 U	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
Alpha-BHC	UG/KG	0	0%	0	53	1.9 UJ	1.5 U	1.4 U	1.4 UJ	1.5 UJ	1.5 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	1.9 UJ	0.37 U	0.34 U	0.35 U	0.37 U	0.38 U
Aroclor-1016	UG/KG	0	0%	0	53	19 U	6.4 UJ	6 UJ	6.1 UJ	6.3 UJ	6.5 UJ
Aroclor-1221	UG/KG	0	0%	0	53	19 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U
Aroclor-1232	UG/KG	0	0%	0	53	19 U	9.8 UJ	9.3 UJ	9.3 UJ	9.7 UJ	10 UJ
Aroclor-1242	UG/KG	58	2%	1	53	19 U	2.7 U	2.5 U	2.6 UJ	2.7 UJ	2.8 UJ
Aroclor-1248	UG/KG	0	0%	0	53	19 U	6.7 U	6.4 U	6.4 U	6.7 U	6.9 U
Aroclor-1254	UG/KG	930	17%	9	53	120 J	13 UJ	12 UJ	12 U	13 U	13 U
Aroclor-1260	UG/KG	85	11%	6	53	19 UJ	2.4 UJ	2.3 UJ	2.3 UJ	2.4 UJ	2.5 UJ
Beta-BHC	UG/KG	0	0%	0	53	1.9 UJ	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
Chlordane	UG/KG	0	0%	0	43	19 U	2.3 U	2.2 U	2.2 U	2.3 U	2.4 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.9 UJ	0.25 UJ	0.23 UJ	0.23 UJ	0.25 UJ	0.25 UJ
Dieldrin	UG/KG	41	6%	3	52	1.9 UJ	0.12 UJ	0.11 UJ	0.12 UJ	0.12 UJ	0.13 UJ
Endosulfan I	UG/KG	190	38%	20	52	13 J	0.62 U	0.57 U	0.59 U	0.61 U	0.63 U
Endosulfan II	UG/KG	9	2%	1	53	1.9 U	0.37 U	0.34 U	0.35 U	0.37 U	0.38 U
Endosulfan sulfate	UG/KG	0	0%	0	53	1.9 U	0.74 U	0.69 U	0.7 UJ	0.74 UJ	0.75 UJ
Endrin	UG/KG	26	4%	2	53	1.9 UJ	0.98 UJ	0.92 UJ	0.94 UJ	0.98 UJ	1 UJ
Endrin aldehyde	UG/KG	0	0%	0	53	1.9 UJ	0.98 UJ	0.92 UJ	0.94 UJ	0.98 UJ	1 UJ
Endrin ketone	UG/KG	7.5	6%	3	53	1.9 U	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.9 U	0.12 U	0.11 U	0.12 UJ	0.12 UJ	0.13 UJ
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.9 UJ	0.37 U	0.34 U	0.35 U	0.37 U	0.38 U
Heptachlor	UG/KG	14	4%	2	53	1.9 U	1.2 U	1.1 U	1.2 UJ	1.2 UJ	1.3 UJ
Heptachlor epoxide	UG/KG	2.8	4%	2	53	1.9 UJ	0.37 U	0.34 U	0.35 U	0.37 U	0.38 U
Methoxychlor	UG/KG	0	0%	0	53	1.9 UJ	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
Toxaphene	UG/KG	0	0%	0	53	19 U	3.9 U	3.7 U	3.8 U	3.9 U	4 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	7860	14300 J	14900 J	11800 J	12300 J	10600 J
Antimony	MG/KG	236	79%	42	53	16.2	28.5 J	0.72 J	0.32 J	15.5 J	1.6 J
Arsenic	MG/KG	11.6	100%	53	53	9.2	4.7 J	3.8 J	5.3 J	4.7 J	5.5 J
Barium	MG/KG	2030	100%	53	53	686 J	119 J	50.8 J	76.6 J	76.3 J	99.2 J
Beryllium	MG/KG	1.2	100%	53	53	0.37	0.83 J	0.78 J	0.7 J	0.73 J	0.64 J
Cadmium	MG/KG	29.1	60%	32	53	29.1	0.7 J	0.56 J	0.06 U	0.06 J	0.06 U
Calcium	MG/KG	296000	100%	53	53	101000 J	4670 J	14900 J	22800 J	7720 J	20000 J
Chromium	MG/KG	74.8	100%	53	53	46.8 J	29.9 J	24.8 J	18.2 J	26.5 J	16 J
Cobalt	MG/KG	17.6	74%	39	53	12.4 R	11.3 J	12.7 J	11.9 J	12.7 J	9.1 J
Copper	MG/KG	9750	100%	53	53	1450 J	195 J	33.5 J	21.2 J	64.9 J	40.2 J
Cyanide	MG/KG	0	0%	0	10						
Cyanide, Amenable	MG/KG	0	0%	0	43	0.56 U	0.62 U	0.58 U	0.59 U	0.62 U	0.63 U
Cyanide, Total	MG/KG	0	0%	0	43	0.556 U	0.619 U	0.583 U	0.589 U	0.615 U	0.633 U
Iron	MG/KG	51700	100%	53	53	50000	23600 J	23300 J	19500 J	23300 J	16900 J
Lead	MG/KG	18900	100%	53	53	653	250 J	31.7 J	13.1 J	170 J	51.1 J

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-14	SSDRMO-15	SSDRMO-16	SSDRMO-17	SSDRMO-18	SSDRMO-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1010	DRMO-1011	DRMO-1012	DRMO-1013	DRMO-1014	DRMO-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/30/02	10/30/02	10/30/02	10/30/02	10/30/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	7610	4480 J	6110 J	6940 J	5570 J	12000 J
Manganese	MG/KG	858	100%	53	53	579	474 J	503 J	537 J	415 J	250 J
Mercury	MG/KG	0.47	89%	47	53	0.3	0.09	0.04	0.04	0.05	0.29
Nickel	MG/KG	224	100%	53	53	54 J	32.6 J	39.4 J	29.6 J	39.7 J	24.4 J
Potassium	MG/KG	1990	100%	53	53	1140 J	1470 J	1680 J	1590 J	1660 J	1980 J
Selenium	MG/KG	1.3	19%	10	53	1.3	0.4 U	0.38 U	0.39 U	0.41 U	0.41 U
Silver	MG/KG	21.8	34%	18	53	5.5	2.2 J	0.43 U	0.44 U	0.46 J	0.46 U
Sodium	MG/KG	606	85%	45	53	478	162 J	88 J	94.1	58.2	63.9
Thallium	MG/KG	1.4	19%	10	53	0.59 J	0.7 U	0.87 J	0.68 U	0.72 U	0.73 U
Vanadium	MG/KG	25.4	100%	53	53	14.7 J	21.4 J	19.1 J	16.7 J	18.5 J	15.2 J
Zinc	MG/KG	3610	100%	53	53	2910 J	1120 J	213 J	57.8 J	124 J	103 J
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	6400	5600	4200	7200	8700	5800
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	370	50 UJ	47 UJ	47 UJ	49 UJ	51 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10						
1,2-Dichloropropane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Acetone	UG/KG	13	25%	13	53	2.8 UJ	11 J	10 J	13 UJ	2.7 UJ	3.1 UJ
Benzene	UG/KG	41	2%	1	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Bromoform	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Chlorobenzene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Chloroethane	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Chloroform	UG/KG	4	4%	2	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methyl bromide	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methyl chloride	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	2.8 UJ	2.6 J	2.8 UJ	5 UJ	2.7 UJ	3.1 UJ
Ortho Xylene	UG/KG	16	2%	1	43	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Toluene	UG/KG	28	21%	11	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Total Xylenes	UG/KG	0	0%	0	10						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Trichloroethene	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Vinyl chloride	UG/KG	0	0%	0	53	2.8 UJ	3.1 UJ	2.8 UJ	3 UJ	2.7 UJ	3.1 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	940 UJ	1100 U	980 U	1000 UJ	900 UJ	910 UJ
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2-Chlorophenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2-Methylphenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
2-Nitroaniline	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U
2-Nitrophenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	380 U	430 U	390 U	400 U	360 UJ	360 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	380 U	430 U	390 UJ	400 U	360 UJ	360 UJ
3-Nitroaniline	UG/KG	0	0%	0	53	940 UJ	1100 U	980 U	1000 U	900 UJ	910 UJ
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
4-Chloroaniline	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
4-Methylphenol	UG/KG	0	0%	0	10						
4-Nitroaniline	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U
4-Nitrophenol	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U
Acenaphthene	UG/KG	2600	25%	13	53	85 J	430 U	390 U	400 U	360 UJ	360 U
Acenaphthylene	UG/KG	2500	23%	12	53	180 J	430 U	230 J	400 U	360 UJ	78 J
Anthracene	UG/KG	7100	42%	22	53	250 J	430 U	230 J	400 U	110 J	51 J
Benzo(a)anthracene	UG/KG	10000	56%	29	52	950	430 U	610 J	400 U	380 J	320 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	1400 J	430 U	910 J	400 U	420 J	510 J
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	1800 J	430 U	1100 J	400 U	480 J	730 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	620 J	430 U	660 J	400 U	130 J	270 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	1100 J	430 UJ	500 J	400 UJ	360 J	340 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	380 UJ	430 U	390 U	400 U	360 UJ	360 UJ
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	56 J	430 U	68 J	400 U	81 J	360 UJ
Butylbenzylphthalate	UG/KG	120	11%	6	53	380 U	430 UJ	390 UJ	400 U	360 UJ	360 UJ
Carbazole	UG/KG	4200	36%	19	53	140 J	430 U	76 J	400 U	44 J	360 U
Chrysene	UG/KG	9100	54%	28	52	1000	430 U	620 J	400 U	360 J	360 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	380 U	430 U	390 UJ	400 U	360 UJ	360 UJ
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	59 J	430 U	390 UJ	400 U	360 UJ	58 J
Dibenzofuran	UG/KG	1700	23%	12	53	39 J	430 U	390 U	400 U	360 UJ	360 U
Diethyl phthalate	UG/KG	11	13%	7	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Dimethylphthalate	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Fluoranthene	UG/KG	27000	74%	39	53	1900	58 J	890	54 J	870 J	590
Fluorene	UG/KG	3500	28%	15	53	110 J	430 U	87 J	400 U	360 UJ	360 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	380 UJ	430 UJ	390 UJ	400 U	360 UJ	360 UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Hexachloroethane	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 UJ	360 UJ	360 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	160 J	430 UJ	160 J	400 U	84 J	62 J
Isophorone	UG/KG	0	0%	0	53	380 UJ	430 UJ	390 UJ	400 U	360 UJ	360 UJ
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	380 U	430 U	390 U	400 U	360 UJ	360 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Naphthalene	UG/KG	400	21%	11	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Nitrobenzene	UG/KG	0	0%	0	53	380 UJ	430 UJ	390 UJ	400 UJ	360 UJ	360 UJ
Pentachlorophenol	UG/KG	0	0%	0	53	940 U	1100 U	980 U	1000 U	900 UJ	910 U
Phenanthrene	UG/KG	29000	53%	28	53	1200	430 U	700	400 U	490 J	260 J
Phenol	UG/KG	0	0%	0	53	380 U	430 U	390 U	400 U	360 UJ	360 U
Pyrene	UG/KG	34000	68%	36	53	86 J	430 U	1900 J	44 J	600 J	1000 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	44	11%	6	53	1.9 UJ	2.2 UJ	2 UJ	0.24 UJ	1.8 UJ	1.9 UJ
4,4'-DDE	UG/KG	69	32%	17	53	1.9 UJ	2.2 UJ	2 UJ	0.24 UJ	1.8 UJ	1.9 UJ
4,4'-DDT	UG/KG	100	28%	15	53	9.5 NJ	2.2 UJ	2 UJ	0.24 U	1.8 UJ	1.9 UJ
Aldrin	UG/KG	19	8%	4	53	1.9 U	2.2 U	2 U	0.12 U	1.8 U	1.9 U
Alpha-BHC	UG/KG	0	0%	0	53	1.9 UJ	2.2 UJ	2 UJ	1.4 UJ	1.8 UJ	1.9 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	1.9 UJ	2.2 UJ	2 UJ	0.36 U	1.8 UJ	1.9 UJ
Aroclor-1016	UG/KG	0	0%	0	53	19 U	22 U	20 U	6.3 UJ	18 U	19 U
Aroclor-1221	UG/KG	0	0%	0	53	19 U	22 U	20 U	1.6 U	18 U	19 U
Aroclor-1232	UG/KG	0	0%	0	53	19 U	22 U	20 U	9.6 UJ	18 U	19 U
Aroclor-1242	UG/KG	58	2%	1	53	19 U	22 U	20 U	2.6 UJ	18 U	19 U
Aroclor-1248	UG/KG	0	0%	0	53	19 U	22 U	20 U	6.6 U	18 U	19 U
Aroclor-1254	UG/KG	930	17%	9	53	44 J	22 UJ	20 UJ	13 U	18 UJ	19 UJ
Aroclor-1260	UG/KG	85	11%	6	53	19 UJ	22 UJ	20 UJ	2.4 UJ	18 UJ	19 UJ
Beta-BHC	UG/KG	0	0%	0	53	1.9 UJ	2.2 UJ	2 UJ	0.12 U	1.8 UJ	1.9 UJ
Chlordane	UG/KG	0	0%	0	43	19 U	22 U	20 U	2.3 U	18 U	19 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.9 UJ	2.2 UJ	2 UJ	0.24 UJ	1.8 UJ	1.9 UJ
Dieldrin	UG/KG	41	6%	3	52	1.9 UJ	2.2 UJ	2 UJ	0.12 UJ	1.8 UJ	1.9 UJ
Endosulfan I	UG/KG	190	38%	20	52	37 J	2.2 UJ	21 J	0.6 U	1.8 UJ	8.3 J
Endosulfan II	UG/KG	9	2%	1	53	1.9 U	2.2 U	2 U	0.36 U	1.8 U	1.9 U
Endosulfan sulfate	UG/KG	0	0%	0	53	1.9 U	2.2 U	2 U	0.72 UJ	1.8 U	1.9 U
Endrin	UG/KG	26	4%	2	53	1.9 UJ	2.2 UJ	2 UJ	0.96 UJ	1.8 UJ	1.9 UJ
Endrin aldehyde	UG/KG	0	0%	0	53	1.9 UJ	2.2 UJ	2 UJ	0.96 UJ	1.8 UJ	1.9 UJ
Endrin ketone	UG/KG	7.5	6%	3	53	1.9 U	2.2 U	2 U	0.12 U	1.8 U	1.9 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.9 U	2.2 U	2 U	0.12 UJ	1.8 U	1.9 U
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.9 UJ	2.2 UJ	2 UJ	0.36 U	1.8 UJ	1.9 UJ
Heptachlor	UG/KG	14	4%	2	53	1.9 U	2.2 U	2 U	1.2 UJ	1.8 U	1.9 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	1.9 UJ	2.2 UJ	2 UJ	0.36 U	1.8 UJ	1.9 UJ
Methoxychlor	UG/KG	0	0%	0	53	1.9 UJ	2.2 UJ	2 UJ	0.12 U	1.8 UJ	1.9 UJ
Toxaphene	UG/KG	0	0%	0	53	19 U	22 U	20 U	3.9 U	18 U	19 U
Metals											
Aluminum	MG/KG	17000	100%	53	53	3540	11200	10500	11100 J	8110	5520
Antimony	MG/KG	236	79%	42	53	1 U	1.6 J	8.1	1.4 J	236	4.4 J
Arsenic	MG/KG	11.6	100%	53	53	4.1	7	6.7	4.1 J	11.6	3.9
Barium	MG/KG	2030	100%	53	53	35.2 J	105 J	113 J	99.3 J	2030 J	46.5 J
Beryllium	MG/KG	1.2	100%	53	53	0.24	0.75	0.65	0.65 J	0.43	0.31
Cadmium	MG/KG	29.1	60%	32	53	1.1	0.16 U	0.14 U	0.06 U	4.3	0.55
Calcium	MG/KG	296000	100%	53	53	197000 J	12100 J	20400 J	11700 J	48800 J	59700 J
Chromium	MG/KG	74.8	100%	53	53	9.8	19.2 J	19.5 J	17.7 J	26.8 J	12.3 J
Cobalt	MG/KG	17.6	74%	39	53	5.5	9.4 R	11.5 R	8.6 J	17.5 R	6.7 R
Copper	MG/KG	9750	100%	53	53	40.5 J	25.1 J	55.4 J	43.8 J	5050 J	44.2 J
Cyanide	MG/KG	0	0%	0	10						
Cyanide, Amenable	MG/KG	0	0%	0	43	0.57 U	0.66 U	0.59 U	0.61 U	0.54 U	0.55 U
Cyanide, Total	MG/KG	0	0%	0	43	0.571 U	0.661 U	0.588 U	0.612 U	0.545 U	0.548 U
Iron	MG/KG	51700	100%	53	53	10200	22700	23700	17300 J	28800	13900
Lead	MG/KG	18900	100%	53	53	62.3	29.5	344	59.2 J	18900	195

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-20	SSDRMO-21	SSDRMO-22	SSDRMO-23	SSDRMO-24	SSDRMO-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1016	DRMO-1017	DRMO-1018	DRMO-1019	DRMO-1020	DRMO-1000
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/30/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	10500	4660	5130	4700 J	6060	20700
Manganese	MG/KG	858	100%	53	53	315	279	513	266 J	532	364
Mercury	MG/KG	0.47	89%	47	53	0.03	0.05	0.14	0.08	0.31	0.07
Nickel	MG/KG	224	100%	53	53	16.2 J	27.1 J	29.4 J	25 J	45.7 J	20.8 J
Potassium	MG/KG	1990	100%	53	53	841 J	909 J	949 J	1430 J	910 J	891 J
Selenium	MG/KG	1.3	19%	10	53	0.48 U	1.1	0.53 J	0.39 U	1	0.46 U
Silver	MG/KG	21.8	34%	18	53	0.34	2.9	0.31 U	0.44 U	0.76	0.29 U
Sodium	MG/KG	606	85%	45	53	289	197	116 U	65.2	108 U	240
Thallium	MG/KG	1.4	19%	10	53	0.35 U	0.4 U	0.5 J	0.69 U	0.52 J	0.34 U
Vanadium	MG/KG	25.4	100%	53	53	7.8 J	20.7 J	18.7 J	16.1 J	16.1 J	10.7 J
Zinc	MG/KG	3610	100%	53	53	104 J	85.2 J	103 J	111 J	990 J	137 J
Other											
Total Organic Carbon	MG/KG	9000	100%	43	43	4100	6200	7400	7500	4000	3600
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	46 U	53 U	59	49 UJ	44 U	830

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics										
1,1,1-Trichloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	10					
1,2-Dichloropropane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Acetone	UG/KG	13	25%	13	53	2.7 R	3.1 UJ	2.9 R	2.5 UJ	2.7 UJ
Benzene	UG/KG	41	2%	1	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Bromodichloromethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Bromoform	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Carbon disulfide	UG/KG	4.7	4%	2	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Carbon tetrachloride	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Chlorobenzene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Chlorodibromomethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Chloroethane	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Chloroform	UG/KG	4	4%	2	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Ethyl benzene	UG/KG	3300	4%	2	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Meta/Para Xylene	UG/KG	4400	7%	3	43	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Methyl bromide	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Methyl butyl ketone	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Methyl chloride	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Methyl ethyl ketone	UG/KG	0	0%	0	53	2.7 UJ	3.1 UJ	2.9 UJ	2.5 UJ	2.7 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Methylene chloride	UG/KG	2.6	2%	1	53	0.84 U	3.1 UJ	1.7 U	2.5 UJ	2.7 UJ
Ortho Xylene	UG/KG	16	2%	1	43	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Tetrachloroethene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Toluene	UG/KG	28	21%	11	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Total Xylenes	UG/KG	0	0%	0	10					
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	43	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Trichloroethene	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Vinyl chloride	UG/KG	0	0%	0	53	2.7 U	3.1 UJ	2.9 U	2.5 UJ	2.7 UJ
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2,4-Dichlorophenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2,4-Dimethylphenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2,4-Dinitrophenol	UG/KG	0	0%	0	53	870 UJ	960 U	950 U	880 UJ	900 U
2,4-Dinitrotoluene	UG/KG	45	2%	1	53	350 U	380 U	380 U	350 U	360 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2-Chloronaphthalene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2-Chlorophenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2-Methylnaphthalene	UG/KG	610	21%	11	53	350 U	140 J	110 J	350 U	360 U
2-Methylphenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
2-Nitroaniline	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U
2-Nitrophenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
3 or 4-Methylphenol	UG/KG	0	0%	0	43	350 U	380 U	380 U	350 U	360 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	53	350 U	380 UJ	380 UJ	350 U	360 U
3-Nitroaniline	UG/KG	0	0%	0	53	870 UJ	960 U	950 U	880 UJ	900 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
4-Chloroaniline	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
4-Methylphenol	UG/KG	0	0%	0	10					
4-Nitroaniline	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U
4-Nitrophenol	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U
Acenaphthene	UG/KG	2600	25%	13	53	95 J	310 J	190 J	350 U	360 U
Acenaphthylene	UG/KG	2500	23%	12	53	42 J	1000	810	65 J	360 U
Anthracene	UG/KG	7100	42%	22	53	160 J	1600	850	110 J	360 U
Benzo(a)anthracene	UG/KG	10000	56%	29	52	460	6700 J	3900 J	360	160 J
Benzo(a)pyrene	UG/KG	8700	49%	26	53	610 J	7600 J	5000 J	520 J	180 J
Benzo(b)fluoranthene	UG/KG	12000	60%	32	53	880 J	11000 J	6600 J	720 J	240 J
Benzo(ghi)perylene	UG/KG	3800	53%	28	53	230 J	3800 J	2500 J	210 J	53 J
Benzo(k)fluoranthene	UG/KG	7500	45%	24	53	530 J	4900 J	3100 J	490 J	130 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	53	350 UJ	380 U	380 U	350 UJ	360 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Bis(2-Ethylhexyl)phthalate	UG/KG	200	57%	30	53	350 U	200 J	97 J	58 J	64 J
Butylbenzylphthalate	UG/KG	120	11%	6	53	350 U	380 UJ	380 UJ	350 U	360 UJ
Carbazole	UG/KG	4200	36%	19	53	200 J	910	550	73 J	360 U
Chrysene	UG/KG	9100	54%	28	52	500	6800 J	4300 J	430	160 J
Di-n-butylphthalate	UG/KG	73	9%	5	53	350 U	380 U	73 J	350 U	360 U
Di-n-octylphthalate	UG/KG	9.9	4%	2	53	350 U	380 UJ	380 UJ	350 U	360 U
Dibenz(a,h)anthracene	UG/KG	570	26%	14	53	350 UJ	570 J	370 J	350 UJ	360 U
Dibenzofuran	UG/KG	1700	23%	12	53	63 J	330 J	160 J	350 U	360 U
Diethyl phthalate	UG/KG	11	13%	7	53	350 U	380 U	380 U	350 U	360 U
Dimethylphthalate	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Fluoranthene	UG/KG	27000	74%	39	53	1500	15000	8800	950	350 J
Fluorene	UG/KG	3500	28%	15	53	84 J	1000	560	51 J	360 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	8.5	2%	1	53	350 U	380 U	380 U	350 U	360 U
Hexachlorobutadiene	UG/KG	0	0%	0	53	350 UJ	380 UJ	380 UJ	350 UJ	360 UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Hexachloroethane	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Indeno(1,2,3-cd)pyrene	UG/KG	1100	45%	24	53	79 J	1100 J	840 J	83 J	360 UJ
Isophorone	UG/KG	0	0%	0	53	350 UJ	380 UJ	380 UJ	350 UJ	360 UJ
N-Nitrosodiphenylamine	UG/KG	4.8	2%	1	53	350 U	380 U	380 U	350 U	360 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Naphthalene	UG/KG	400	21%	11	53	57 J	97 J	74 J	350 U	360 U
Nitrobenzene	UG/KG	0	0%	0	53	350 UJ	380 UJ	380 UJ	350 UJ	360 UJ
Pentachlorophenol	UG/KG	0	0%	0	53	870 U	960 U	950 U	880 U	900 U
Phenanthrene	UG/KG	29000	53%	28	53	1100	13000	7600	550	160 J
Phenol	UG/KG	0	0%	0	53	350 U	380 U	380 U	350 U	360 U
Pyrene	UG/KG	34000	68%	36	53	1200	24000 J	14000 J	720	250 J
Pesticides/PCBs										
4,4'-DDD	UG/KG	44	11%	6	53	1.9 UJ	2 UJ	1.9 UJ	5.4 J	1.8 UJ
4,4'-DDE	UG/KG	69	32%	17	53	9.1 J	2 UJ	1.9 UJ	26 J	12 J
4,4'-DDT	UG/KG	100	28%	15	53	3.1 NJ	2 UJ	1.9 UJ	9 NJ	1.8 UJ
Aldrin	UG/KG	19	8%	4	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Alpha-BHC	UG/KG	0	0%	0	53	1.8 UJ	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	63	9%	5	53	1.8 UJ	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Aroclor-1016	UG/KG	0	0%	0	53	18 U	20 U	19 U	18 U	18 U
Aroclor-1221	UG/KG	0	0%	0	53	18 U	20 U	19 U	18 U	18 U
Aroclor-1232	UG/KG	0	0%	0	53	18 U	20 U	19 U	18 U	18 U
Aroclor-1242	UG/KG	58	2%	1	53	18 U	20 U	19 U	18 U	18 U
Aroclor-1248	UG/KG	0	0%	0	53	18 U	20 U	19 U	18 U	18 U
Aroclor-1254	UG/KG	930	17%	9	53	18 UJ	20 UJ	19 UJ	18 UJ	74 J
Aroclor-1260	UG/KG	85	11%	6	53	18 UJ	20 UJ	19 UJ	18 UJ	18 UJ
Beta-BHC	UG/KG	0	0%	0	53	1.8 UJ	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Chlordane	UG/KG	0	0%	0	43	18 U	20 U	19 U	18 U	18 U

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Delta-BHC	UG/KG	2	6%	3	53	1.8 UJ	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Dieldrin	UG/KG	41	6%	3	52	1.8 UJ	2 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Endosulfan I	UG/KG	190	38%	20	52	6.6 J	190 J		23 NJ	7.5 J
Endosulfan II	UG/KG	9	2%	1	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Endrin	UG/KG	26	4%	2	53	1.8 UJ	2 U	1.9 UJ	1.8 UJ	1.8 UJ
Endrin aldehyde	UG/KG	0	0%	0	53	1.8 UJ	2 U	1.9 UJ	1.8 UJ	1.8 UJ
Endrin ketone	UG/KG	7.5	6%	3	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Gamma-Chlordane	UG/KG	1.2	2%	1	53	1.8 UJ	2 U	1.9 UJ	1.8 UJ	1.8 UJ
Heptachlor	UG/KG	14	4%	2	53	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	UG/KG	2.8	4%	2	53	1.8 UJ	2 U	1.9 UJ	1.8 UJ	1.8 UJ
Methoxychlor	UG/KG	0	0%	0	53	1.8 UJ	2 U	1.9 UJ	1.8 UJ	1.8 UJ
Toxaphene	UG/KG	0	0%	0	53	18 U	20 U	19 U	18 U	18 U
Metals										
Aluminum	MG/KG	17000	100%	53	53	10900	7420	8280	7840	10200
Antimony	MG/KG	236	79%	42	53	2 J	3.2 J	1.4 J	1.8 J	3.2 J
Arsenic	MG/KG	11.6	100%	53	53	4.6	6.2	5.4	5.1	5.3
Barium	MG/KG	2030	100%	53	53	57.1 J	80.9 J	84.5 J	41.1 J	71.1 J
Beryllium	MG/KG	1.2	100%	53	53	0.53	0.5	0.53	0.4	0.47
Cadmium	MG/KG	29.1	60%	32	53	7.8	0.57	0.44	0.97	3
Calcium	MG/KG	296000	100%	53	53	34700 J	63600 J	61200 J	94200 J	92500 J
Chromium	MG/KG	74.8	100%	53	53	22.9 J	17.6 J	18.8 J	17.6 J	22.6 J
Cobalt	MG/KG	17.6	74%	39	53	14.4 R	8.6 R	8.7 R	11.5 R	11.4 R
Copper	MG/KG	9750	100%	53	53	49.3 J	39.8 J	32.8 J	46.1 J	216 J
Cyanide	MG/KG	0	0%	0	10					
Cyanide, Amenable	MG/KG	0	0%	0	43	0.53 U	0.58 U	0.57 U	0.53 U	0.54 U
Cyanide, Total	MG/KG	0	0%	0	43	0.534 U	0.582 U	0.575 U	0.532 U	0.542 U
Iron	MG/KG	51700	100%	53	53	24700	18500	18700	18100	25000
Lead	MG/KG	18900	100%	53	53	130	117	93.8	66.8	122

Table C-1
SURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SSDRMO-6	SSDRMO-7	SSDRMO-7	SSDRMO-8	SSDRMO-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1001	DRMO-1002	DRMO-1003	DRMO-1004	DRMO-1005
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2
Sample Date						10/24/02	10/24/02	10/24/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Magnesium	MG/KG	20700	100%	53	53	6840	12700	6180	8290	7770
Manganese	MG/KG	858	100%	53	53	468	480	553	610	581
Mercury	MG/KG	0.47	89%	47	53	0.07	0.07	0.06	0.06	0.04
Nickel	MG/KG	224	100%	53	53	42.5 J	22.4 J	23.5 J	31 J	32.9 J
Potassium	MG/KG	1990	100%	53	53	1200 J	862 J	712 J	1070 J	1120 J
Selenium	MG/KG	1.3	19%	10	53	0.64	0.49 U	0.47 U	0.44 U	0.49 J
Silver	MG/KG	21.8	34%	18	53	0.29 U	0.31 U	0.3 U	0.28 U	1.4
Sodium	MG/KG	606	85%	45	53	204	191	194	302	235 J
Thallium	MG/KG	1.4	19%	10	53	0.55 J	0.36 U	0.35 U	0.33 U	0.33 U
Vanadium	MG/KG	25.4	100%	53	53	17 J	15.3 J	14.4 J	12.4 J	14.1 J
Zinc	MG/KG	3610	100%	53	53	77.5 J	107 J	96.8 J	93.2 J	157 J
Other										
Total Organic Carbon	MG/KG	9000	100%	43	43	4600	5800	6000	5300	6000
Total Petroleum Hydrocarbons	MG/KG	7600	23%	10	43	43 U	190	46 U	43 U	140

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SB121C-1	SB121C-2	SB121C-3	SB121C-4	SBDRMO-10	SBDRMO-11
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB232	EB228	EB234	EB230	DRMO-1057	DRMO-1060
Sample Depth to Top of Sample						2.5	2	2.5	2.5	2	2
Sample Depth to Bottom of Sample						3	2.5	3	3	6	6
Sample Date						3/9/98	3/9/98	3/9/98	3/9/98	10/25/02	10/26/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 UJ	2.8 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 U	2.6 U	2.8 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 U	2.6 U	2.8 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 U	2.6 U	2.8 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 U	2.6 U	2.8 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 U	2.6 UJ	2.8 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	4	12 U	11 UJ	11 U	11 U		
1,2-Dichloropropane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Acetone	UG/KG	28	45%	9	20	14	11 UJ	16	28 J	2.6 U	2.8 UJ
Benzene	UG/KG	1800	10%	2	20	12 U	2 J	11 U	11 UJ	2.6 U	2.8 UJ
Bromodichloromethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Bromoform	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Carbon disulfide	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Carbon tetrachloride	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 UJ	2.8 UJ
Chlorobenzene	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Chlorodibromomethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Chloroethane	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Chloroform	UG/KG	4	10%	2	20	12 U	4 J	11 U	2 J	2.6 U	2.8 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	16					2.6 U	2.8 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Ethyl benzene	UG/KG	24000	5%	1	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Meta/Para Xylene	UG/KG	130000	6%	1	16					2.6 U	2.8 UJ
Methyl bromide	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 UJ	2.8 UJ
Methyl butyl ketone	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 UJ	2.8 UJ
Methyl chloride	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Methyl ethyl ketone	UG/KG	7.6	10%	2	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	20	12 U	11 UJ	11 U	11 UJ	2.6 U	2.8 UJ
Methylene chloride	UG/KG	3.5	10%	2	20	12 U	11 UJ	11 U	11 UJ	2.6 U	3.5 UJ
Ortho Xylene	UG/KG	75	6%	1	16					2.6 U	2.8 UJ

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SB121C-1		SB121C-2		SB121C-3		SB121C-4	
Matrix						SOIL		SOIL		SOIL		SOIL	
Sample ID						EB232		EB228		EB234		EB230	
Sample Depth to Top of Sample						2.5		2		2.5		2.5	
Sample Depth to Bottom of Sample						3		2.5		3		3	
Sample Date						3/9/98		3/9/98		3/9/98		3/9/98	
QC Code						SA		SA		SA		SA	
Study ID						EBS		EBS		EBS		EBS	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Styrene	UG/KG	2.7	5%	1	20	12	U	11	UJ	11	U	11	UJ
Tetrachloroethene	UG/KG	0	0%	0	20	12	U	11	UJ	11	U	11	UJ
Toluene	UG/KG	84	20%	4	20	7	J	5	UJ	9	J	4	J
Total Xylenes	UG/KG	0	0%	0	4	12	U	11	UJ	11	U	11	UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	16								
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	20	12	U	11	UJ	11	U	11	UJ
Trichloroethene	UG/KG	0	0%	0	20	12	U	11	UJ	11	U	11	UJ
Vinyl chloride	UG/KG	0	0%	0	20	12	U	11	UJ	11	U	11	UJ
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
1,2-Dichlorobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
1,3-Dichlorobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
1,4-Dichlorobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2,4-Dichlorophenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2,4-Dimethylphenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2,4-Dinitrophenol	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U
2,4-Dinitrotoluene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2,6-Dinitrotoluene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2-Chloronaphthalene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2-Chlorophenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2-Methylnaphthalene	UG/KG	2500	20%	4	20	77	U	7	J	8.3	J	76	U
2-Methylphenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
2-Nitroaniline	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U
2-Nitrophenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
3 or 4-Methylphenol	UG/KG	0	0%	0	16								
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U
3-Nitroaniline	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-10		SBDRMO-11					
Matrix						SOIL		SOIL					
Sample ID						DRMO-1057		DRMO-1060					
Sample Depth to Top of Sample						2		2					
Sample Depth to Bottom of Sample						6		6					
Sample Date						10/25/02		10/26/02					
QC Code						SA		SA					
Study ID						PID-RI		PID-RI					
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)				
Styrene	UG/KG	2.7	5%	1	20	2.6	U	2.8	UJ				
Tetrachloroethene	UG/KG	0	0%	0	20	2.6	U	2.8	UJ				
Toluene	UG/KG	84	20%	4	20	2.6	U	2.8	UJ				
Total Xylenes	UG/KG	0	0%	0	4								
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	16	2.6	U	2.8	UJ				
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	20	2.6	U	2.8	UJ				
Trichloroethene	UG/KG	0	0%	0	20	2.6	U	2.8	UJ				
Vinyl chloride	UG/KG	0	0%	0	20	2.6	U	2.8	UJ				
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	20	370	U	370	U				
1,2-Dichlorobenzene	UG/KG	0	0%	0	20	370	U	370	U				
1,3-Dichlorobenzene	UG/KG	0	0%	0	20	370	U	370	U				
1,4-Dichlorobenzene	UG/KG	0	0%	0	20	370	U	370	U				
2,4,5-Trichlorophenol	UG/KG	0	0%	0	20	920	U	920	U				
2,4,6-Trichlorophenol	UG/KG	0	0%	0	20	370	U	370	U				
2,4-Dichlorophenol	UG/KG	0	0%	0	20	370	U	370	U				
2,4-Dimethylphenol	UG/KG	0	0%	0	20	370	U	370	U				
2,4-Dinitrophenol	UG/KG	0	0%	0	20	920	UJ	920	UJ				
2,4-Dinitrotoluene	UG/KG	0	0%	0	20	370	U	370	U				
2,6-Dinitrotoluene	UG/KG	0	0%	0	20	370	U	370	U				
2-Chloronaphthalene	UG/KG	0	0%	0	20	370	U	370	U				
2-Chlorophenol	UG/KG	0	0%	0	20	370	U	370	U				
2-Methylnaphthalene	UG/KG	2500	20%	4	20	370	U	370	U				
2-Methylphenol	UG/KG	0	0%	0	20	370	U	370	U				
2-Nitroaniline	UG/KG	0	0%	0	20	920	U	920	U				
2-Nitrophenol	UG/KG	0	0%	0	20	370	U	370	U				
3 or 4-Methylphenol	UG/KG	0	0%	0	16	370	U	370	U				
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	20	370	U	370	U				
3-Nitroaniline	UG/KG	0	0%	0	20	920	U	920	U				
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	20	920	UJ	920	U				

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SB121C-1		SB121C-2		SB121C-3		SB121C-4		SBDRMO-10		SBDRMO-11	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						EB232		EB228		EB234		EB230		DRMO-1057		DRMO-1060	
Sample Depth to Top of Sample						2.5		2		2.5		2.5		2		2	
Sample Depth to Bottom of Sample						3		2.5		3		3		6		6	
Sample Date						3/9/98		3/9/98		3/9/98		3/9/98		10/25/02		10/26/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						EBS		EBS		EBS		EBS		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
4-Chloroaniline	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
4-Methylphenol	UG/KG	0	0%	0	4	77	U	75	U	77	U	76	U				
4-Nitroaniline	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U	920	U	920	U
4-Nitrophenol	UG/KG	0	0%	0	20	190	U	180	U	190	U	180	U	920	U	920	U
Acenaphthene	UG/KG	50	15%	3	20	77	U	20	J	13	J	76	U	370	U	370	U
Acenaphthylene	UG/KG	220	10%	2	20	77	U	75	U	77	U	76	U	370	U	370	U
Anthracene	UG/KG	240	15%	3	20	77	U	41	J	19	J	76	U	370	U	370	U
Benzo(a)anthracene	UG/KG	5200	35%	7	20	4.6	J	140		68	J	4.6	J	370	U	370	U
Benzo(a)pyrene	UG/KG	920	30%	6	20	6.3	J	100		58	J	6	J	370	U	370	U
Benzo(b)fluoranthene	UG/KG	1300	40%	8	20	6.6	J	110		74	J	5.8	J	370	U	370	U
Benzo(ghi)perylene	UG/KG	210	35%	7	20	12	J	65	J	54	J	6.2	J	370	U	370	U
Benzo(k)fluoranthene	UG/KG	490	30%	6	20	5.7	J	120		70	J	6.7	J	370	U	370	U
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Bis(2-Ethylhexyl)phthalate	UG/KG	87	40%	8	20	10	J	21	J	39	J	14	J	370	U	370	U
Butylbenzylphthalate	UG/KG	39	10%	2	20	77	U	6.4	J	77	U	76	U	39	J	370	U
Carbazole	UG/KG	56	15%	3	20	77	U	56	J	34	J	76	U	370	U	370	U
Chrysene	UG/KG	4900	35%	7	20	5.5	J	160		82		7.8	J	370	U	370	U
Di-n-butylphthalate	UG/KG	19	10%	2	20	77	U	19	J	5.3	J	76	U	370	U	370	U
Di-n-octylphthalate	UG/KG	17	15%	3	20	9.8	J	17	J	77	U	3.9	J	370	U	370	U
Dibenz(a,h)anthracene	UG/KG	33	15%	3	20	9.7	J	33	J	26	J	76	U	370	U	370	U
Dibenzofuran	UG/KG	45	15%	3	20	77	U	13	J	8	J	76	U	370	U	370	U
Diethyl phthalate	UG/KG	250	25%	5	20	8.9	J	6.8	J	18	J	4.7	J	370	U	370	U
Dimethylphthalate	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Fluoranthene	UG/KG	1600	40%	8	20	4.8	J	390		160		9.6	J	370	U	370	U
Fluorene	UG/KG	160	20%	4	20	77	U	22	J	12	J	76	U	370	U	370	U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SB121C-1		SB121C-2		SB121C-3		SB121C-4		SBDRMO-10		SBDRMO-11	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						EB232		EB228		EB234		EB230		DRMO-1057		DRMO-1060	
Sample Depth to Top of Sample						2.5		2		2.5		2.5		2		2	
Sample Depth to Bottom of Sample						3		2.5		3		3		6		6	
Sample Date						3/9/98		3/9/98		3/9/98		3/9/98		10/25/02		10/26/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						EBS		EBS		EBS		EBS		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Hexachlorobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Hexachlorobutadiene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	UJ	370	UJ
Hexachloroethane	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Indeno(1,2,3-cd)pyrene	UG/KG	150	30%	6	20	8.6	J	58	J	48	J	5.9	J	370	U	370	U
Isophorone	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
N-Nitrosodipropylamine	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Naphthalene	UG/KG	1900	20%	4	20	77	U	12	J	6.9	J	76	U	370	U	370	U
Nitrobenzene	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Pentachlorophenol	UG/KG	0	0%	0	20	190	U	180	UJ	190	U	180	UJ	920	U	920	U
Phenanthrene	UG/KG	1000	40%	8	20	77	U	280		110		5.9	J	370	U	370	U
Phenol	UG/KG	0	0%	0	20	77	U	75	U	77	U	76	U	370	U	370	U
Pyrene	UG/KG	1700	40%	8	20	4.7	J	290		130		8.1	J	370	U	370	U
Pesticides/PCBs																	
4,4'-DDD	UG/KG	0	0%	0	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	R	1.9	UJ
4,4'-DDE	UG/KG	17	15%	3	20	3.8	U	13		17		2.5	J	1.9	UJ	1.9	UJ
4,4'-DDT	UG/KG	16	15%	3	20	3.8	U	9.8		16		3.8	U	1.9	UJ	1.9	UJ
Aldrin	UG/KG	11	5%	1	20	2	U	1.9	U	2	U	2	U	1.9	UJ	1.9	UJ
Alpha-BHC	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	UJ	1.9	UJ
Alpha-Chlordane	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	UJ	1.9	UJ
Aroclor-1016	UG/KG	0	0%	0	20	38	U	38	U	38	U	38	U	19	UJ	19	U
Aroclor-1221	UG/KG	0	0%	0	20	78	U	76	U	78	U	77	U	19	U	19	U
Aroclor-1232	UG/KG	0	0%	0	20	38	U	38	U	38	U	38	U	19	UJ	19	U
Aroclor-1242	UG/KG	0	0%	0	20	38	U	38	U	38	U	38	U	19	UJ	19	U
Aroclor-1248	UG/KG	0	0%	0	20	38	U	38	U	38	U	38	U	19	U	19	U
Aroclor-1254	UG/KG	0	0%	0	20	38	U	38	U	38	U	38	U	19	U	19	U
Aroclor-1260	UG/KG	200	15%	3	20	38	U	200		21	J	38	U	19	UJ	19	U
Beta-BHC	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	U	1.9	UJ
Chlordane	UG/KG	0	0%	0	16									19	U	19	U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SB121C-1		SB121C-2		SB121C-3		SB121C-4		SBDRMO-10		SBDRMO-11	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						EB232		EB228		EB234		EB230		DRMO-1057		DRMO-1060	
Sample Depth to Top of Sample						2.5		2		2.5		2.5		2		2	
Sample Depth to Bottom of Sample						3		2.5		3		3		6		6	
Sample Date						3/9/98		3/9/98		3/9/98		3/9/98		10/25/02		10/26/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						EBS		EBS		EBS		EBS		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Delta-BHC	UG/KG	1.3	5%	1	20	2	U	1.3	J	2	U	2	U	1.9	UJ	1.9	UJ
Dieldrin	UG/KG	0	0%	0	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	UJ	1.9	UJ
Endosulfan I	UG/KG	78	5%	1	20	2	U	1.9	U	2	U	2	U	1.9	U	1.9	U
Endosulfan II	UG/KG	0	0%	0	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	U	1.9	U
Endosulfan sulfate	UG/KG	0	0%	0	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	U	1.9	U
Endrin	UG/KG	23	5%	1	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	UJ	1.9	U
Endrin aldehyde	UG/KG	0	0%	0	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	U	1.9	U
Endrin ketone	UG/KG	9.7	5%	1	20	3.8	U	3.8	U	3.8	U	3.8	U	1.9	U	1.9	U
Gamma-BHC/Lindane	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	UJ	1.9	UJ
Gamma-Chlordane	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	U	1.9	UJ
Heptachlor	UG/KG	0	0%	0	20	2	U	1.9	U	2	U	2	U	1.9	U	1.9	UJ
Heptachlor epoxide	UG/KG	1.1	5%	1	20	2	U	1.1	J	2	U	2	U	1.9	U	1.9	UJ
Methoxychlor	UG/KG	0	0%	0	20	20	U	19	U	20	U	20	U	1.9	UJ	1.9	U
Toxaphene	UG/KG	0	0%	0	20	200	U	190	U	200	U	200	U	19	U	19	U
Metals																	
Aluminum	MG/KG	17600	100%	20	20	13400		16200		8880		15700		15000		10100	
Antimony	MG/KG	11.5	20%	4	20	1.4	J	11.5	J	0.98	J	0.69	UJ	0.99	U	1	U
Arsenic	MG/KG	8.1	100%	20	20	4.4		8.1		4.6		6.4		5.7		4.6	
Barium	MG/KG	1050	100%	20	20	64.2		1050		46.3		72.4		58.6	J	55.2	J
Beryllium	MG/KG	1	100%	20	20	0.72		0.43		0.32		0.63		0.87		0.63	
Cadmium	MG/KG	8.1	10%	2	20	0.07	U	8.1		0.07	U	0.06	U	0.13	U	0.13	U
Calcium	MG/KG	97200	100%	20	20	2280		31600		97200		13000		23000	J	43800	J
Chromium	MG/KG	37	100%	20	20	21		37		13.1		30		25.6		17	
Cobalt	MG/KG	19.7	100%	20	20	9.4		16		7.7		19.7		15.8		11.1	
Copper	MG/KG	2440	100%	20	20	18.7	J	2440	J	20.6	J	39.1	J	26.4	J	35.7	J
Cyanide	MG/KG	0	0%	0	4	0.65	U	0.63	U	0.58	U	0.63	U				
Cyanide, Amenable	MG/KG	0	0%	0	16									0.56	U	0.56	U
Cyanide, Total	MG/KG	0	0%	0	16									0.565	U	0.56	U
Iron	MG/KG	54100	100%	20	20	23800		54100		16500		35600		30700		21100	
Lead	MG/KG	1780	100%	20	20	14.1	J	1780		39.9	J	26	J	8.4		14.4	

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SB121C-1		SB121C-2		SB121C-3		SB121C-4		SBDRMO-10		SBDRMO-11	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						EB232		EB228		EB234		EB230		DRMO-1057		DRMO-1060	
Sample Depth to Top of Sample						2.5		2		2.5		2.5		2		2	
Sample Depth to Bottom of Sample						3		2.5		3		3		6		6	
Sample Date						3/9/98		3/9/98		3/9/98		3/9/98		10/25/02		10/26/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						EBS		EBS		EBS		EBS		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Magnesium	MG/KG	24900	100%	20	20	4040		6480		8000		7500		6700		11700	
Manganese	MG/KG	790	100%	20	20	299		752		473		394		550		378	
Mercury	MG/KG	0.07	95%	18	19	0.05		0.07		0.06	U	0.06		0.02		0.03	
Nickel	MG/KG	69.7	100%	20	20	35.8		56.6		22.3		69.7		44.5	J	32.1	J
Potassium	MG/KG	1870	100%	20	20	1670		1220		1500		1870		1360	J	951	J
Selenium	MG/KG	0	0%	0	20	1.1	U	0.97	U	1.1	U	0.92	U	0.46	U	0.47	U
Silver	MG/KG	0.72	10%	2	20	0.48	U	0.43	U	0.49	U	0.41	U	0.3	U	0.3	U
Sodium	MG/KG	214	70%	14	20	138	U	214		141	U	119	U	166		203	
Thallium	MG/KG	1.8	10%	2	20	1.4	UJ	1.3	UJ	1.5	UJ	1.2	UJ	0.34	U	0.35	U
Vanadium	MG/KG	27	100%	20	20	21.8		19.3		14.4		21.7		23		15.8	
Zinc	MG/KG	691	100%	20	20	70.5		691		77.6		158		85.1		66.7	
Others																	
Total Organic Carbon	MG/KG	9500	100%	16	16									4600		5000	
Total Petroleum Hydrocarbons	MG/KG	3700	25%	4	16									45	UJ	45	UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-16	SBDRMO-17	SBDRMO-18
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1063	DRMO-1066	DRMO-1069	DRMO-1075	DRMO-1078	DRMO-1082
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/25/02	10/26/02	10/25/02	10/27/02	10/28/02	10/27/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	20	3.1 UJ	3.1 U	3 U	3 U	2.7 UJ	2.7 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
1,1-Dichloroethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
1,1-Dichloroethene	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
1,2-Dichloroethane	UG/KG	0	0%	0	20	3.1 UJ	3.1 U	3 UJ	3 U	2.7 UJ	2.7 U
1,2-Dichloroethene (total)	UG/KG	0	0%	0	4						
1,2-Dichloropropane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Acetone	UG/KG	28	45%	9	20	24 J	13 J	30 UJ	3 UJ	8.8 UJ	17 J
Benzene	UG/KG	1800	10%	2	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Bromodichloromethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Bromoform	UG/KG	0	0%	0	20	3.1 U	3.1 UJ	3 U	3 UJ	2.7 UJ	2.7 UJ
Carbon disulfide	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Carbon tetrachloride	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 UJ	3 U	2.7 UJ	2.7 U
Chlorobenzene	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Chlorodibromomethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Chloroethane	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Chloroform	UG/KG	4	10%	2	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	16	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Ethyl benzene	UG/KG	24000	5%	1	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Meta/Para Xylene	UG/KG	130000	6%	1	16	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Methyl bromide	UG/KG	0	0%	0	20	3.1 UJ	3.1 U	3 UJ	3 U	2.7 UJ	2.7 U
Methyl butyl ketone	UG/KG	0	0%	0	20	3.1 UJ	3.1 U	3 UJ	3 U	2.7 UJ	2.7 U
Methyl chloride	UG/KG	0	0%	0	20	3.1 U	3.1 UJ	3 UJ	3 UJ	2.7 UJ	2.7 UJ
Methyl ethyl ketone	UG/KG	7.6	10%	2	20	3.1 U	3.1 U	7.6 J	3 U	2.7 UJ	2.7 U
Methyl isobutyl ketone	UG/KG	0	0%	0	20	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U
Methylene chloride	UG/KG	3.5	10%	2	20	2.6 J	3.1 U	3 U	3 U	3.7 UJ	2.7 U
Ortho Xylene	UG/KG	75	6%	1	16	3.1 U	3.1 U	3 U	3 U	2.7 UJ	2.7 U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-12		SBDRMO-13		SBDRMO-14		SBDRMO-16		SBDRMO-17		SBDRMO-18	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1063		DRMO-1066		DRMO-1069		DRMO-1075		DRMO-1078		DRMO-1082	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/25/02		10/26/02		10/25/02		10/27/02		10/28/02		10/27/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Styrene	UG/KG	2.7	5%	1	20	3.1	U	3.1	UJ	3	U	3	UJ	2.7	UJ	2.7	UJ
Tetrachloroethene	UG/KG	0	0%	0	20	3.1	U	3.1	UJ	3	U	3	UJ	2.7	UJ	2.7	UJ
Toluene	UG/KG	84	20%	4	20	3.1	U	3.1	U	3	U	3	U	2.7	UJ	2.7	U
Total Xylenes	UG/KG	0	0%	0	4												
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	16	3.1	U	3.1	U	3	U	3	U	2.7	UJ	2.7	U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	20	3.1	U	3.1	U	3	U	3	U	2.7	UJ	2.7	U
Trichloroethene	UG/KG	0	0%	0	20	3.1	U	3.1	U	3	U	3	U	2.7	UJ	2.7	U
Vinyl chloride	UG/KG	0	0%	0	20	3.1	U	3.1	U	3	U	3	U	2.7	UJ	2.7	U
Semivolatile Organic Compounds																	
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
1,2-Dichlorobenzene	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
1,3-Dichlorobenzene	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
1,4-Dichlorobenzene	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	U	900	U	930	U	880	U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2,4-Dichlorophenol	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2,4-Dimethylphenol	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2,4-Dinitrophenol	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	R	900	U	930	UJ	880	U
2,4-Dinitrotoluene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2,6-Dinitrotoluene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2-Chloronaphthalene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
2-Chlorophenol	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
2-Methylnaphthalene	UG/KG	2500	20%	4	20	2500	J	400	U	410	U	360	U	370	U	350	U
2-Methylphenol	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
2-Nitroaniline	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	UJ	900	U	930	U	880	U
2-Nitrophenol	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
3 or 4-Methylphenol	UG/KG	0	0%	0	16	410	UJ	400	U	410	U	360	U	370	U	350	U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
3-Nitroaniline	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	U	900	U	930	U	880	U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	UJ	900	U	930	U	880	U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-12	SBDRMO-13	SBDRMO-14	SBDRMO-16	SBDRMO-17	SBDRMO-18
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1063	DRMO-1066	DRMO-1069	DRMO-1075	DRMO-1078	DRMO-1082
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/25/02	10/26/02	10/25/02	10/27/02	10/28/02	10/27/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
4-Chloroaniline	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
4-Methylphenol	UG/KG	0	0%	0	4						
4-Nitroaniline	UG/KG	0	0%	0	20	1000 UJ	1000 U	1000 U	900 U	930 U	880 U
4-Nitrophenol	UG/KG	0	0%	0	20	1000 UJ	1000 U	1000 UJ	900 U	930 U	880 U
Acenaphthene	UG/KG	50	15%	3	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Acenaphthylene	UG/KG	220	10%	2	20	410 UJ	400 U	410 U	220 J	370 U	350 U
Anthracene	UG/KG	240	15%	3	20	410 UJ	400 U	410 U	240 J	370 U	350 U
Benzo(a)anthracene	UG/KG	5200	35%	7	20	410 UJ	400 U	410 U	940	370 U	350 U
Benzo(a)pyrene	UG/KG	920	30%	6	20	410 R	400 U	410 U	920 J	370 UJ	350 U
Benzo(b)fluoranthene	UG/KG	1300	40%	8	20	410 R	400 U	54 J	1300 J	370 UJ	350 U
Benzo(ghi)perylene	UG/KG	210	35%	7	20	410 R	400 U	67 J	210 J	370 UJ	350 UJ
Benzo(k)fluoranthene	UG/KG	490	30%	6	20	410 R	400 U	410 U	490 J	370 UJ	350 U
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 UJ	370 U	350 UJ
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	20	410 U	400 U	410 U	360 U	370 U	350 U
Bis(2-Ethylhexyl)phthalate	UG/KG	87	40%	8	20	410 UJ	400 U	410 U	37 J	370 U	41 J
Butylbenzylphthalate	UG/KG	39	10%	2	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Carbazole	UG/KG	56	15%	3	20	410 UJ	400 U	410 U	45 J	370 U	350 U
Chrysene	UG/KG	4900	35%	7	20	410 UJ	400 U	410 U	880	370 U	350 U
Di-n-butylphthalate	UG/KG	19	10%	2	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Di-n-octylphthalate	UG/KG	17	15%	3	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Dibenz(a,h)anthracene	UG/KG	33	15%	3	20	410 R	400 U	410 UJ	360 UJ	370 UJ	350 UJ
Dibenzofuran	UG/KG	45	15%	3	20	410 UJ	400 U	410 U	45 J	370 U	350 U
Diethyl phthalate	UG/KG	250	25%	5	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Dimethylphthalate	UG/KG	0	0%	0	20	410 UJ	400 U	410 U	360 U	370 U	350 U
Fluoranthene	UG/KG	1600	40%	8	20	410 UJ	400 U	110 J	1600	370 U	350 U
Fluorene	UG/KG	160	20%	4	20	410 UJ	400 U	410 U	160 J	370 U	350 U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-12		SBDRMO-13		SBDRMO-14		SBDRMO-16		SBDRMO-17		SBDRMO-18	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1063		DRMO-1066		DRMO-1069		DRMO-1075		DRMO-1078		DRMO-1082	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/25/02		10/26/02		10/25/02		10/27/02		10/28/02		10/27/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Hexachlorobenzene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
Hexachlorobutadiene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	20	410	UJ	400	UJ	410	UJ	360	U	370	UJ	350	U
Hexachloroethane	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
Indeno(1,2,3-cd)pyrene	UG/KG	150	30%	6	20	410	UJ	400	U	410	UJ	150	J	370	U	350	UJ
Isophorone	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
N-Nitrosodipropylamine	UG/KG	0	0%	0	20	410	U	400	U	410	UJ	360	U	370	U	350	U
Naphthalene	UG/KG	1900	20%	4	20	1900	J	400	U	410	U	360	U	370	U	350	U
Nitrobenzene	UG/KG	0	0%	0	20	410	UJ	400	U	410	U	360	U	370	U	350	U
Pentachlorophenol	UG/KG	0	0%	0	20	1000	UJ	1000	U	1000	U	900	U	930	U	880	U
Phenanthrene	UG/KG	1000	40%	8	20	74	J	400	U	66	J	1000		370	U	350	U
Phenol	UG/KG	0	0%	0	20	410	U	400	U	410	U	360	U	370	U	350	U
Pyrene	UG/KG	1700	40%	8	20	410	U	400	U	120	J	1700		370	U	350	U
Pesticides/PCBs																	
4,4'-DDD	UG/KG	0	0%	0	20	2.1	R	2	UJ	2.1	R	1.9	UJ	0.22	U	1.8	UJ
4,4'-DDE	UG/KG	17	15%	3	20	2.1	UJ	2	UJ	2.1	UJ	1.9	UJ	0.22	UJ	1.8	UJ
4,4'-DDT	UG/KG	16	15%	3	20	2.1	UJ	2	UJ	2.1	UJ	14	J	0.22	UJ	1.8	UJ
Aldrin	UG/KG	11	5%	1	20	2.1	UJ	2	UJ	2.1	UJ	11	J	0.11	U	1.8	UJ
Alpha-BHC	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	2.1	UJ	1.9	UJ	1.3	U	1.8	UJ
Alpha-Chlordane	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	2.1	UJ	1.9	UJ	0.34	U	1.8	UJ
Aroclor-1016	UG/KG	0	0%	0	20	21	UJ	20	UJ	21	UJ	19	UJ	5.8	UJ	18	UJ
Aroclor-1221	UG/KG	0	0%	0	20	21	U	20	U	21	U	19	U	1.5	U	18	U
Aroclor-1232	UG/KG	0	0%	0	20	21	UJ	20	UJ	21	UJ	19	UJ	9	UJ	18	UJ
Aroclor-1242	UG/KG	0	0%	0	20	21	UJ	20	U	21	UJ	19	UJ	2.5	U	18	UJ
Aroclor-1248	UG/KG	0	0%	0	20	21	U	20	U	21	U	19	U	6.2	U	18	U
Aroclor-1254	UG/KG	0	0%	0	20	21	U	20	U	21	U	19	UJ	12	UJ	18	UJ
Aroclor-1260	UG/KG	200	15%	3	20	21	UJ	20	U	21	UJ	22	J	2.2	UJ	18	UJ
Beta-BHC	UG/KG	0	0%	0	20	2.1	U	2	UJ	2.1	U	1.9	UJ	0.11	U	1.8	UJ
Chlordane	UG/KG	0	0%	0	16	21	U	20	U	21	U	19	U	2.1	U	18	U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-12		SBDRMO-13		SBDRMO-14		SBDRMO-16		SBDRMO-17		SBDRMO-18	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1063		DRMO-1066		DRMO-1069		DRMO-1075		DRMO-1078		DRMO-1082	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/25/02		10/26/02		10/25/02		10/27/02		10/28/02		10/27/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Delta-BHC	UG/KG	1.3	5%	1	20	2.1	UJ	2	UJ	2.1	UJ	1.9	UJ	0.22	UJ	1.8	UJ
Dieldrin	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	2.1	UJ	65	R	0.11	UJ	1.8	UJ
Endosulfan I	UG/KG	78	5%	1	20	2.1	U	2	U	2.1	U	78		0.56	U	1.8	U
Endosulfan II	UG/KG	0	0%	0	20	2.1	U	2	U	2.1	U	1.9	U	0.34	U	1.8	U
Endosulfan sulfate	UG/KG	0	0%	0	20	2.1	U	2	U	2.1	U	1.9	U	0.67	U	1.8	U
Endrin	UG/KG	23	5%	1	20	2.1	UJ	2	UJ	2.1	UJ	23	J	0.9	UJ	1.8	UJ
Endrin aldehyde	UG/KG	0	0%	0	20	2.1	U	2	U	2.1	U	1.9	U	0.9	UJ	1.8	U
Endrin ketone	UG/KG	9.7	5%	1	20	2.1	U	2	U	2.1	U	9.7	NJ	0.11	U	1.8	U
Gamma-BHC/Lindane	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	2.1	UJ	1.9	UJ	0.11	U	1.8	UJ
Gamma-Chlordane	UG/KG	0	0%	0	20	2.1	U	2	UJ	2.1	U	1.9	UJ	0.34	U	1.8	UJ
Heptachlor	UG/KG	0	0%	0	20	2.1	U	2	UJ	2.1	U	1.9	UJ	1.1	U	1.8	UJ
Heptachlor epoxide	UG/KG	1.1	5%	1	20	2.1	U	2	UJ	2.1	U	24	R	0.34	U	1.8	UJ
Methoxychlor	UG/KG	0	0%	0	20	2.1	UJ	2	U	2.1	UJ	1.9	U	0.11	U	1.8	U
Toxaphene	UG/KG	0	0%	0	20	21	U	20	U	21	U	19	U	3.6	U	18	U
Metals																	
Aluminum	MG/KG	17600	100%	20	20	16100		17600		12500		10300		15200	J	13800	
Antimony	MG/KG	11.5	20%	4	20	1.1	U	1.1	U	1.1	U	0.99	U	0.78	J	0.96	U
Arsenic	MG/KG	8.1	100%	20	20	6.9		6		4.6		4.7		4.4	J	5.2	
Barium	MG/KG	1050	100%	20	20	64.9	J	78		103	J	57.5		81	J	64.4	
Beryllium	MG/KG	1	100%	20	20	1		1		0.76		0.55		0.85	J	0.68	
Cadmium	MG/KG	8.1	10%	2	20	0.15	U	0.14	U	0.15	U	0.14	J	0.06	U	0.13	U
Calcium	MG/KG	97200	100%	20	20	6830	J	18400		2890	J	66000		18300	J	26200	
Chromium	MG/KG	37	100%	20	20	26.3		28.1		22.7		20		28.9	J	25.8	
Cobalt	MG/KG	19.7	100%	20	20	18.7		18.2		11.3		11.5		14.5	J	14.7	
Copper	MG/KG	2440	100%	20	20	27.3	J	25.7		16.7	J	24.9		27	J	38.7	
Cyanide	MG/KG	0	0%	0	4												
Cyanide, Amenable	MG/KG	0	0%	0	16	0.62	U	0.6	U	0.63	U	0.55	U	0.57	U	0.54	U
Cyanide, Total	MG/KG	0	0%	0	16	0.623	U	0.6	U	0.631	U	0.549	U	0.568	U	0.539	U
Iron	MG/KG	54100	100%	20	20	34400		33700		24000		21000		27100	J	30000	
Lead	MG/KG	1780	100%	20	20	11.3		11.3		16.6		45.5		11.3	J	31	

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-12		SBDRMO-13		SBDRMO-14		SBDRMO-16		SBDRMO-17		SBDRMO-18	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1063		DRMO-1066		DRMO-1069		DRMO-1075		DRMO-1078		DRMO-1082	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/25/02		10/26/02		10/25/02		10/27/02		10/28/02		10/27/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Magnesium	MG/KG	24900	100%	20	20	5890		6490		4110		8760		6590	J	7720	
Manganese	MG/KG	790	100%	20	20	591		754		402		475		643	J	470	
Mercury	MG/KG	0.07	95%	18	19	0.03				0.01		0.03		0.03		0.04	
Nickel	MG/KG	69.7	100%	20	20	41.9	J	44.3	J	29.1	J	31.5		42.6	J	44.7	J
Potassium	MG/KG	1870	100%	20	20	1220	J	1570	J	1160	J	1330	J	1560	J	1220	J
Selenium	MG/KG	0	0%	0	20	0.52	U	0.5	U	0.52	U	0.46	U	0.38	U	0.45	U
Silver	MG/KG	0.72	10%	2	20	0.34	U	0.32	U	0.33	U	0.3	U	0.72	J	0.29	U
Sodium	MG/KG	214	70%	14	20	125	U	141		133		161		104		152	
Thallium	MG/KG	1.8	10%	2	20	0.39	U	0.37	U	0.38	U	0.34	U	1.1	J	0.33	U
Vanadium	MG/KG	27	100%	20	20	25.3		27	J	20.7		18.1	J	20.6	J	20.3	J
Zinc	MG/KG	691	100%	20	20	123		89.1	J	110		105	J	75	J	130	J
Others																	
Total Organic Carbon	MG/KG	9500	100%	16	16	4000		5100		5400		4200		6700		3500	
Total Petroleum Hydrocarbons	MG/KG	3700	25%	4	16	50	UJ	48	UJ	51	UJ	3700	J	2200	J	43	J

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-20	SBDRMO-21	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1088	DRMO-1102	DRMO-1096	DRMO-1099	DRMO-1041	DRMO-1044
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/26/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	20	2.8 UJ	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	20	2.8 UJ	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
1,1-Dichloroethane	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
1,1-Dichloroethene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
1,2-Dichloroethane	UG/KG	0	0%	0	20	2.8 UJ	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	4						
1,2-Dichloropropane	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Acetone	UG/KG	28	45%	9	20	3.7 J	2.9 U	5.7 UJ	22	14 J	2.2 U
Benzene	UG/KG	1800	10%	2	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Bromodichloromethane	UG/KG	0	0%	0	20	2.8 UJ	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Bromoform	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 UJ	2.2 U
Carbon disulfide	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Carbon tetrachloride	UG/KG	0	0%	0	20	2.8 UJ	2.9 UJ	2.8 UJ	3.2 U	2.8 U	2.2 UJ
Chlorobenzene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Chlorodibromomethane	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Chloroethane	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Chloroform	UG/KG	4	10%	2	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	16	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Ethyl benzene	UG/KG	24000	5%	1	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Meta/Para Xylene	UG/KG	130000	6%	1	16	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Methyl bromide	UG/KG	0	0%	0	20	2.8 UJ	2.9 UJ	2.8 UJ	3.2 U	2.8 U	2.2 UJ
Methyl butyl ketone	UG/KG	0	0%	0	20	2.8 UJ	2.9 UJ	2.8 UJ	3.2 U	2.8 U	2.2 UJ
Methyl chloride	UG/KG	0	0%	0	20	2.8 UJ	2.9 U	2.8 UJ	3.2 U	2.8 UJ	2.2 UJ
Methyl ethyl ketone	UG/KG	7.6	10%	2	20	2.8 UJ	2.9 UJ	2.8 UJ	3.2	2.8 U	2.2 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	20	2.8 UJ	2.9 UJ	2.8 UJ	3.2 U	2.8 U	2.2 U
Methylene chloride	UG/KG	3.5	10%	2	20	2.8 U	3 UJ	3.9 UJ	3.5	2.8 U	2.2 U
Ortho Xylene	UG/KG	75	6%	1	16	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-20	SBDRMO-21	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1088	DRMO-1102	DRMO-1096	DRMO-1099	DRMO-1041	DRMO-1044
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/26/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Styrene	UG/KG	2.7	5%	1	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 UJ	2.2 U
Tetrachloroethene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 UJ	2.2 U
Toluene	UG/KG	84	20%	4	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Total Xylenes	UG/KG	0	0%	0	4						
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	16	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Trichloroethene	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Vinyl chloride	UG/KG	0	0%	0	20	2.8 U	2.9 U	2.8 UJ	3.2 U	2.8 U	2.2 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	20	1000 U	970 U	940 U	1000 U	920 U	890 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2,4-Dichlorophenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2,4-Dimethylphenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2,4-Dinitrophenol	UG/KG	0	0%	0	20	1000 UJ	970 U	940 UJ	1000 UJ	920 U	890 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2-Chloronaphthalene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2-Chlorophenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2-Methylnaphthalene	UG/KG	2500	20%	4	20	400 U	390 U	370 U	400 U	370 U	350 U
2-Methylphenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
2-Nitroaniline	UG/KG	0	0%	0	20	1000 U	970 UJ	940 U	1000 U	920 U	890 U
2-Nitrophenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
3 or 4-Methylphenol	UG/KG	0	0%	0	16	400 U	390 U	370 U	400 U	370 U	350 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 UJ
3-Nitroaniline	UG/KG	0	0%	0	20	1000 U	970 U	940 UJ	1000 U	920 U	890 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	20	1000 UJ	970 U	940 UJ	1000 U	920 U	890 UJ

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-20	SBDRMO-21	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1088	DRMO-1102	DRMO-1096	DRMO-1099	DRMO-1041	DRMO-1044
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/26/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
4-Chloroaniline	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
4-Methylphenol	UG/KG	0	0%	0	4						
4-Nitroaniline	UG/KG	0	0%	0	20	1000 U	970 UJ	940 U	1000 U	920 U	890 U
4-Nitrophenol	UG/KG	0	0%	0	20	1000 U	970 U	940 U	1000 U	920 U	890 U
Acenaphthene	UG/KG	50	15%	3	20	400 U	390 U	370 U	50 J	370 U	350 U
Acenaphthylene	UG/KG	220	10%	2	20	400 U	390 U	370 U	73 J	370 U	350 U
Anthracene	UG/KG	240	15%	3	20	400 U	390 U	370 U	400 U	370 U	350 U
Benzo(a)anthracene	UG/KG	5200	35%	7	20	400 U	390 U	5200	130 J	370 U	350 UJ
Benzo(a)pyrene	UG/KG	920	30%	6	20	400 U	390 U	370 U	200 J	370 U	350 UJ
Benzo(b)fluoranthene	UG/KG	1300	40%	8	20	400 U	390 U	370 U	170 J	43 J	350 UJ
Benzo(ghi)perylene	UG/KG	210	35%	7	20	400 U	390 UJ	370 UJ	100 J	370 UJ	350 UJ
Benzo(k)fluoranthene	UG/KG	490	30%	6	20	400 U	390 U	370 U	120 J	370 U	350 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	20	400 U	390 U	370 UJ	400 UJ	370 UJ	350 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Bis(2-Ethylhexyl)phthalate	UG/KG	87	40%	8	20	400 U	66 J	370 U	400 U	87 J	350 UJ
Butylbenzylphthalate	UG/KG	39	10%	2	20	400 U	390 UJ	370 U	400 U	370 U	350 UJ
Carbazole	UG/KG	56	15%	3	20	400 U	390 U	370 U	400 U	370 U	350 U
Chrysene	UG/KG	4900	35%	7	20	400 U	390 U	4900	140 J	370 U	350 UJ
Di-n-butylphthalate	UG/KG	19	10%	2	20	400 U	390 U	370 U	400 U	370 U	350 U
Di-n-octylphthalate	UG/KG	17	15%	3	20	400 U	390 U	370 U	400 U	370 U	350 UJ
Dibenz(a,h)anthracene	UG/KG	33	15%	3	20	400 U	390 UJ	370 UJ	400 U	370 UJ	350 UJ
Dibenzofuran	UG/KG	45	15%	3	20	400 U	390 U	370 U	400 U	370 U	350 U
Diethyl phthalate	UG/KG	250	25%	5	20	400 U	390 U	370 U	250 J	370 U	350 U
Dimethylphthalate	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Fluoranthene	UG/KG	1600	40%	8	20	400 U	390 U	370 U	210 J	62 J	350 U
Fluorene	UG/KG	160	20%	4	20	400 U	390 U	370 U	54 J	370 U	350 U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SBDRMO-20	SBDRMO-21	SBDRMO-23	SBDRMO-24	SBDRMO-5	SBDRMO-6
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						DRMO-1088	DRMO-1102	DRMO-1096	DRMO-1099	DRMO-1041	DRMO-1044
Sample Depth to Top of Sample						2	2	2	2	2	2
Sample Depth to Bottom of Sample						6	6	6	6	6	6
Sample Date						10/26/02	10/27/02	10/28/02	10/28/02	10/27/02	10/25/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Hexachlorobutadiene	UG/KG	0	0%	0	20	400 U	390 U	370 UJ	400 U	370 U	350 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	20	400 UJ	390 U	370 U	400 U	370 U	350 UJ
Hexachloroethane	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Indeno(1,2,3-cd)pyrene	UG/KG	150	30%	6	20	400 U	390 UJ	370 U	99 J	370 UJ	350 UJ
Isophorone	UG/KG	0	0%	0	20	400 U	390 U	370 UJ	400 U	370 U	350 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	20	400 U	390 UJ	370 U	400 U	370 U	350 U
Naphthalene	UG/KG	1900	20%	4	20	400 U	390 U	370 U	400 U	370 U	350 U
Nitrobenzene	UG/KG	0	0%	0	20	400 U	390 U	370 UJ	400 UJ	370 U	350 U
Pentachlorophenol	UG/KG	0	0%	0	20	1000 U	970 U	940 U	1000 U	920 U	890 U
Phenanthrene	UG/KG	1000	40%	8	20	400 U	390 U	370 U	170 J	370 U	350 U
Phenol	UG/KG	0	0%	0	20	400 U	390 U	370 U	400 U	370 U	350 U
Pyrene	UG/KG	1700	40%	8	20	400 U	390 UJ	370 U	260 J	50 J	350 UJ
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	20	2.1 UJ	2 UJ	0.23 U	0.24 U	1.9 UJ	1.8 UJ
4,4'-DDE	UG/KG	17	15%	3	20	2.1 UJ	2 UJ	0.23 UJ	0.24 UJ	1.9 UJ	1.8 UJ
4,4'-DDT	UG/KG	16	15%	3	20	2.1 UJ	2 UJ	0.23 UJ	0.24 UJ	1.9 UJ	1.8 UJ
Aldrin	UG/KG	11	5%	1	20	2.1 UJ	2 UJ	0.11 U	0.12 U	1.9 UJ	1.8 UJ
Alpha-BHC	UG/KG	0	0%	0	20	2.1 UJ	2 UJ	1.4 U	1.5 U	1.9 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	0	0%	0	20	2.1 UJ	2 UJ	0.34 U	0.37 U	1.9 UJ	1.8 UJ
Aroclor-1016	UG/KG	0	0%	0	20	21 U	20 UJ	5.9 UJ	6.3 UJ	19 UJ	18 U
Aroclor-1221	UG/KG	0	0%	0	20	21 U	20 U	1.5 U	1.6 U	19 U	18 U
Aroclor-1232	UG/KG	0	0%	0	20	21 U	20 UJ	9.1 UJ	9.7 UJ	19 UJ	18 U
Aroclor-1242	UG/KG	0	0%	0	20	21 U	20 UJ	2.5 U	2.7 U	19 U	18 U
Aroclor-1248	UG/KG	0	0%	0	20	21 U	20 U	6.2 U	6.7 U	19 U	18 U
Aroclor-1254	UG/KG	0	0%	0	20	21 U	20 U	12 UJ	13 UJ	19 U	18 U
Aroclor-1260	UG/KG	200	15%	3	20	21 U	20 UJ	2.3 UJ	2.4 UJ	19 U	18 U
Beta-BHC	UG/KG	0	0%	0	20	2.1 UJ	2 UJ	0.11 U	0.12 U	1.9 UJ	1.8 UJ
Chlordane	UG/KG	0	0%	0	16	21 U	20 U	2.1 U	2.3 U	19 U	18 U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-20		SBDRMO-21		SBDRMO-23		SBDRMO-24		SBDRMO-5		SBDRMO-6	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1088		DRMO-1102		DRMO-1096		DRMO-1099		DRMO-1041		DRMO-1044	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/26/02		10/27/02		10/28/02		10/28/02		10/27/02		10/25/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Delta-BHC	UG/KG	1.3	5%	1	20	2.1	UJ	2	UJ	0.23	UJ	0.24	UJ	1.9	UJ	1.8	UJ
Dieldrin	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	0.11	UJ	0.12	UJ	1.9	UJ	1.8	UJ
Endosulfan I	UG/KG	78	5%	1	20	2.1	U	2	U	0.56	U	0.61	U	1.9	U	1.8	U
Endosulfan II	UG/KG	0	0%	0	20	2.1	U	2	U	0.34	U	0.37	U	1.9	U	1.8	U
Endosulfan sulfate	UG/KG	0	0%	0	20	2.1	U	2	U	0.68	U	0.73	U	1.9	U	1.8	U
Endrin	UG/KG	23	5%	1	20	2.1	U	2	U	0.9	UJ	0.97	UJ	1.9	UJ	1.8	U
Endrin aldehyde	UG/KG	0	0%	0	20	2.1	U	2	U	0.9	UJ	0.97	UJ	1.9	U	1.8	U
Endrin ketone	UG/KG	9.7	5%	1	20	2.1	U	2	U	0.11	U	0.12	U	1.9	U	1.8	U
Gamma-BHC/Lindane	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	0.11	U	0.12	U	1.9	UJ	1.8	UJ
Gamma-Chlordane	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	0.34	U	0.37	U	1.9	UJ	1.8	UJ
Heptachlor	UG/KG	0	0%	0	20	2.1	UJ	2	UJ	1.1	U	1.2	U	1.9	UJ	1.8	UJ
Heptachlor epoxide	UG/KG	1.1	5%	1	20	2.1	UJ	2	UJ	0.34	U	0.37	U	1.9	UJ	1.8	UJ
Methoxychlor	UG/KG	0	0%	0	20	2.1	U	2	U	0.11	U	0.12	U	1.9	U	1.8	U
Toxaphene	UG/KG	0	0%	0	20	21	U	20	U	3.6	U	3.9	U	19	U	18	U
Metals																	
Aluminum	MG/KG	17600	100%	20	20	15500		12500		7070	J	14900	J	14100		11600	
Antimony	MG/KG	11.5	20%	4	20	1.1	U	1.1	U	0.26	U	0.28	U	1	U	0.96	U
Arsenic	MG/KG	8.1	100%	20	20	4.2		5.9		2.4	J	6.1	J	7		5	
Barium	MG/KG	1050	100%	20	20	95.7	J	115	J	67.5	J	107	J	95.7		61	J
Beryllium	MG/KG	1	100%	20	20	0.96		0.8		0.4	J	0.86	J	0.76		0.65	
Cadmium	MG/KG	8.1	10%	2	20	0.14	U	0.14	U	0.06	U	0.06	U	0.13	U	0.13	U
Calcium	MG/KG	97200	100%	20	20	9560	J	22100	J	56200	J	12600	J	18800		22100	J
Chromium	MG/KG	37	100%	20	20	24.8		19.2		11.1	J	25.4	J	26.1		30.2	
Cobalt	MG/KG	19.7	100%	20	20	14.1		14.3		6.8	J	15	J	17.9		13.6	
Copper	MG/KG	2440	100%	20	20	20.8	J	20.9	J	16.4	J	19.2	J	37.6		96.7	J
Cyanide	MG/KG	0	0%	0	4												
Cyanide, Amenable	MG/KG	0	0%	0	16	0.6	U	0.59	U	0.57	U	0.62	U	0.56	U	0.54	U
Cyanide, Total	MG/KG	0	0%	0	16	0.613	U	0.588	U	0.569	U	0.618	U	0.564	U	0.539	U
Iron	MG/KG	54100	100%	20	20	27900		26200		10700	J	28100	J	32800		25300	
Lead	MG/KG	1780	100%	20	20	18		16.1		6.2	J	13.6	J	33.8		19.3	

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
Location ID						SBDRMO-20		SBDRMO-21		SBDRMO-23		SBDRMO-24		SBDRMO-5		SBDRMO-6	
Matrix						SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
Sample ID						DRMO-1088		DRMO-1102		DRMO-1096		DRMO-1099		DRMO-1041		DRMO-1044	
Sample Depth to Top of Sample						2		2		2		2		2		2	
Sample Depth to Bottom of Sample						6		6		6		6		6		6	
Sample Date						10/26/02		10/27/02		10/28/02		10/28/02		10/27/02		10/25/02	
QC Code						SA		SA		SA		SA		SA		SA	
Study ID						PID-RI		PID-RI		PID-RI		PID-RI		PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)	Value	(Q)
Magnesium	MG/KG	24900	100%	20	20	5230		6630		24900	J	6220	J	6880		5960	
Manganese	MG/KG	790	100%	20	20	658		724		324	J	646	J	790		526	
Mercury	MG/KG	0.07	95%	18	19	0.04	J	0.03		0.02		0.04		0.04		0.02	
Nickel	MG/KG	69.7	100%	20	20	34.1	J	32.5	J	18	J	38.7	J	46.4	J	40.2	J
Potassium	MG/KG	1870	100%	20	20	1640	J	1210	J	1010	J	1370	J	1260	J	1490	J
Selenium	MG/KG	0	0%	0	20	0.5	U	0.49	U	0.37	U	0.4	U	0.47	U	0.45	U
Silver	MG/KG	0.72	10%	2	20	0.32	U	0.32	U	0.42	U	0.72	J	0.3	U	0.29	U
Sodium	MG/KG	214	70%	14	20	119	U	129		163		124		122		162	
Thallium	MG/KG	1.8	10%	2	20	0.37	U	0.36	U	0.65	U	1.8	J	0.34	U	0.33	U
Vanadium	MG/KG	27	100%	20	20	25.3		23		11	J	23.2	J	24.7	J	17.4	
Zinc	MG/KG	691	100%	20	20	86.5		70.7		52.8	J	126	J	117	J	68.3	
Others																	
Total Organic Carbon	MG/KG	9500	100%	16	16	5900		6900		2900		6400		4000		3600	
Total Petroleum Hydrocarbons	MG/KG	3700	25%	4	16	49	UJ	47	UJ	46	UJ	49	UJ	45	UJ	43	UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C
Location ID						SBDRMO-7	SBDRMO-9
Matrix						SOIL	SOIL
Sample ID						DRMO-1047	DRMO-1054
Sample Depth to Top of Sample						2	2
Sample Depth to Bottom of Sample						6	6
Sample Date						10/27/02	10/25/02
QC Code						SA	SA
Study ID						PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)
Volatile Organics							
1,1,1-Trichloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
1,2-Dichloroethene (total)	UG/KG	0	0%	0	4		
1,2-Dichloropropane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Acetone	UG/KG	28	45%	9	20	2.6 UJ	2.9 UJ
Benzene	UG/KG	1800	10%	2	20	2.6 U	1800 J
Bromodichloromethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Bromoform	UG/KG	0	0%	0	20	2.6 UJ	2.9 UJ
Carbon disulfide	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Carbon tetrachloride	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Chlorobenzene	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Chlorodibromomethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Chloroethane	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Chloroform	UG/KG	4	10%	2	20	2.6 U	2.9 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	16	2.6 U	2.9 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Ethyl benzene	UG/KG	24000	5%	1	20	2.6 U	24000 J
Meta/Para Xylene	UG/KG	130000	6%	1	16	2.6 U	130000 J
Methyl bromide	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Methyl butyl ketone	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Methyl chloride	UG/KG	0	0%	0	20	2.6 UJ	2.9 UJ
Methyl ethyl ketone	UG/KG	7.6	10%	2	20	2.6 U	2.9 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Methylene chloride	UG/KG	3.5	10%	2	20	2.6 U	2.9 UJ
Ortho Xylene	UG/KG	75	6%	1	16	2.6 U	75

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C
Location ID						SBDRMO-7	SBDRMO-9
Matrix						SOIL	SOIL
Sample ID						DRMO-1047	DRMO-1054
Sample Depth to Top of Sample						2	2
Sample Depth to Bottom of Sample						6	6
Sample Date						10/27/02	10/25/02
QC Code						SA	SA
Study ID						PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)
Styrene	UG/KG	2.7	5%	1	20	2.6 UJ	2.7 J
Tetrachloroethene	UG/KG	0	0%	0	20	2.6 UJ	2.9 UJ
Toluene	UG/KG	84	20%	4	20	2.6 U	84
Total Xylenes	UG/KG	0	0%	0	4		
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	16	2.6 U	2.9 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Trichloroethene	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Vinyl chloride	UG/KG	0	0%	0	20	2.6 U	2.9 UJ
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	20	350 UJ	390 UJ
1,2-Dichlorobenzene	UG/KG	0	0%	0	20	350 U	390 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	20	350 U	390 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	20	350 U	390 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	20	890 U	970 UJ
2,4,6-Trichlorophenol	UG/KG	0	0%	0	20	350 U	390 UJ
2,4-Dichlorophenol	UG/KG	0	0%	0	20	350 U	390 UJ
2,4-Dimethylphenol	UG/KG	0	0%	0	20	350 U	390 UJ
2,4-Dinitrophenol	UG/KG	0	0%	0	20	890 UJ	970 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	20	350 U	390 UJ
2,6-Dinitrotoluene	UG/KG	0	0%	0	20	350 U	390 UJ
2-Chloronaphthalene	UG/KG	0	0%	0	20	350 U	390 UJ
2-Chlorophenol	UG/KG	0	0%	0	20	350 UJ	390 U
2-Methylnaphthalene	UG/KG	2500	20%	4	20	350 U	1600 J
2-Methylphenol	UG/KG	0	0%	0	20	350 U	390 U
2-Nitroaniline	UG/KG	0	0%	0	20	890 U	970 UJ
2-Nitrophenol	UG/KG	0	0%	0	20	350 U	390 UJ
3 or 4-Methylphenol	UG/KG	0	0%	0	16	350 U	390 UJ
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	20	350 U	390 UJ
3-Nitroaniline	UG/KG	0	0%	0	20	890 U	970 UJ
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	20	890 UJ	970 UJ

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C
Location ID						SBDRMO-7	SBDRMO-9
Matrix						SOIL	SOIL
Sample ID						DRMO-1047	DRMO-1054
Sample Depth to Top of Sample						2	2
Sample Depth to Bottom of Sample						6	6
Sample Date						10/27/02	10/25/02
QC Code						SA	SA
Study ID						PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	20	350 U	390 UJ
4-Chloro-3-methylphenol	UG/KG	0	0%	0	20	350 U	390 UJ
4-Chloroaniline	UG/KG	0	0%	0	20	350 U	390 UJ
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	20	350 U	390 UJ
4-Methylphenol	UG/KG	0	0%	0	4		
4-Nitroaniline	UG/KG	0	0%	0	20	890 U	970 UJ
4-Nitrophenol	UG/KG	0	0%	0	20	890 U	970 UJ
Acenaphthene	UG/KG	50	15%	3	20	350 U	390 UJ
Acenaphthylene	UG/KG	220	10%	2	20	350 U	390 UJ
Anthracene	UG/KG	240	15%	3	20	350 U	390 UJ
Benzo(a)anthracene	UG/KG	5200	35%	7	20	350 U	390 UJ
Benzo(a)pyrene	UG/KG	920	30%	6	20	350 U	390 UJ
Benzo(b)fluoranthene	UG/KG	1300	40%	8	20	350 U	390 UJ
Benzo(ghi)perylene	UG/KG	210	35%	7	20	350 UJ	390 UJ
Benzo(k)fluoranthene	UG/KG	490	30%	6	20	350 U	390 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	20	350 UJ	390 UJ
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	20	350 U	390 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	20	350 U	390 UJ
Bis(2-Ethylhexyl)phthalate	UG/KG	87	40%	8	20	350 U	390 UJ
Butylbenzylphthalate	UG/KG	39	10%	2	20	350 U	390 UJ
Carbazole	UG/KG	56	15%	3	20	350 U	390 UJ
Chrysene	UG/KG	4900	35%	7	20	350 U	390 UJ
Di-n-butylphthalate	UG/KG	19	10%	2	20	350 U	390 UJ
Di-n-octylphthalate	UG/KG	17	15%	3	20	350 UJ	390 UJ
Dibenz(a,h)anthracene	UG/KG	33	15%	3	20	350 UJ	390 UJ
Dibenzofuran	UG/KG	45	15%	3	20	350 U	390 UJ
Diethyl phthalate	UG/KG	250	25%	5	20	350 U	390 UJ
Dimethylphthalate	UG/KG	0	0%	0	20	350 U	390 UJ
Fluoranthene	UG/KG	1600	40%	8	20	350 U	390 UJ
Fluorene	UG/KG	160	20%	4	20	350 U	390 UJ

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C		SEAD-121C	
Location ID						SBDRMO-7		SBDRMO-9	
Matrix						SOIL		SOIL	
Sample ID						DRMO-1047		DRMO-1054	
Sample Depth to Top of Sample						2		2	
Sample Depth to Bottom of Sample						6		6	
Sample Date						10/27/02		10/25/02	
QC Code						SA		SA	
Study ID						PID-RI		PID-RI	
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value	(Q)	Value	(Q)
Hexachlorobenzene	UG/KG	0	0%	0	20	350	U	390	UJ
Hexachlorobutadiene	UG/KG	0	0%	0	20	350	UJ	390	UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	20	350	U	390	UJ
Hexachloroethane	UG/KG	0	0%	0	20	350	U	390	U
Indeno(1,2,3-cd)pyrene	UG/KG	150	30%	6	20	350	UJ	390	UJ
Isophorone	UG/KG	0	0%	0	20	350	UJ	390	UJ
N-Nitrosodiphenylamine	UG/KG	0	0%	0	20	350	U	390	U
N-Nitrosodipropylamine	UG/KG	0	0%	0	20	350	U	390	U
Naphthalene	UG/KG	1900	20%	4	20	350	UJ	1200	J
Nitrobenzene	UG/KG	0	0%	0	20	350	UJ	390	UJ
Pentachlorophenol	UG/KG	0	0%	0	20	890	U	970	UJ
Phenanthrene	UG/KG	1000	40%	8	20	350	U	62	J
Phenol	UG/KG	0	0%	0	20	350	U	390	U
Pyrene	UG/KG	1700	40%	8	20	350	U	390	UJ
Pesticides/PCBs									
4,4'-DDD	UG/KG	0	0%	0	20	1.8	UJ	2	R
4,4'-DDE	UG/KG	17	15%	3	20	1.8	UJ	2	UJ
4,4'-DDT	UG/KG	16	15%	3	20	1.8	UJ	2	UJ
Aldrin	UG/KG	11	5%	1	20	1.8	UJ	2	UJ
Alpha-BHC	UG/KG	0	0%	0	20	1.8	UJ	2	UJ
Alpha-Chlordane	UG/KG	0	0%	0	20	1.8	UJ	2	UJ
Aroclor-1016	UG/KG	0	0%	0	20	18	UJ	20	U
Aroclor-1221	UG/KG	0	0%	0	20	18	U	20	U
Aroclor-1232	UG/KG	0	0%	0	20	18	UJ	20	U
Aroclor-1242	UG/KG	0	0%	0	20	18	U	20	U
Aroclor-1248	UG/KG	0	0%	0	20	18	U	20	U
Aroclor-1254	UG/KG	0	0%	0	20	18	U	20	U
Aroclor-1260	UG/KG	200	15%	3	20	18	U	20	U
Beta-BHC	UG/KG	0	0%	0	20	1.8	UJ	2	U
Chlordane	UG/KG	0	0%	0	16	18	U	20	U

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C
Location ID						SBDRMO-7	SBDRMO-9
Matrix						SOIL	SOIL
Sample ID						DRMO-1047	DRMO-1054
Sample Depth to Top of Sample						2	2
Sample Depth to Bottom of Sample						6	6
Sample Date						10/27/02	10/25/02
QC Code						SA	SA
Study ID						PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)
Delta-BHC	UG/KG	1.3	5%	1	20	1.8 UJ	2 UJ
Dieldrin	UG/KG	0	0%	0	20	1.8 UJ	2 UJ
Endosulfan I	UG/KG	78	5%	1	20	1.8 U	2 U
Endosulfan II	UG/KG	0	0%	0	20	1.8 U	2 U
Endosulfan sulfate	UG/KG	0	0%	0	20	1.8 U	2 U
Endrin	UG/KG	23	5%	1	20	1.8 UJ	2 UJ
Endrin aldehyde	UG/KG	0	0%	0	20	1.8 U	2 U
Endrin ketone	UG/KG	9.7	5%	1	20	1.8 U	2 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	20	1.8 UJ	2 UJ
Gamma-Chlordane	UG/KG	0	0%	0	20	1.8 UJ	2 U
Heptachlor	UG/KG	0	0%	0	20	1.8 UJ	2 U
Heptachlor epoxide	UG/KG	1.1	5%	1	20	1.8 UJ	2 U
Methoxychlor	UG/KG	0	0%	0	20	1.8 U	2 UJ
Toxaphene	UG/KG	0	0%	0	20	18 U	20 U
Metals							
Aluminum	MG/KG	17600	100%	20	20	16100	12300
Antimony	MG/KG	11.5	20%	4	20	0.97 U	1.1 U
Arsenic	MG/KG	8.1	100%	20	20	7.5	4.5
Barium	MG/KG	1050	100%	20	20	54.4	82.3 J
Beryllium	MG/KG	1	100%	20	20	0.81	0.72
Cadmium	MG/KG	8.1	10%	2	20	0.13 U	0.14 U
Calcium	MG/KG	97200	100%	20	20	7870	19000 J
Chromium	MG/KG	37	100%	20	20	29.6	22.3
Cobalt	MG/KG	19.7	100%	20	20	17.9	12
Copper	MG/KG	2440	100%	20	20	32.3	22.3 J
Cyanide	MG/KG	0	0%	0	4		
Cyanide, Amenable	MG/KG	0	0%	0	16	0.54 U	0.59 U
Cyanide, Total	MG/KG	0	0%	0	16	0.54 U	0.59 U
Iron	MG/KG	54100	100%	20	20	34600	23400
Lead	MG/KG	1780	100%	20	20	19	26.2

Table C-2
SUBSURFACE SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD 121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C
Location ID						SBDRMO-7	SBDRMO-9
Matrix						SOIL	SOIL
Sample ID						DRMO-1047	DRMO-1054
Sample Depth to Top of Sample						2	2
Sample Depth to Bottom of Sample						6	6
Sample Date						10/27/02	10/25/02
QC Code						SA	SA
Study ID						PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)
Magnesium	MG/KG	24900	100%	20	20	8740	5040
Manganese	MG/KG	790	100%	20	20	323	438
Mercury	MG/KG	0.07	95%	18	19	0.03	0.03
Nickel	MG/KG	69.7	100%	20	20	53.7 J	31.5 J
Potassium	MG/KG	1870	100%	20	20	1380 J	1360 J
Selenium	MG/KG	0	0%	0	20	0.45 U	0.49 U
Silver	MG/KG	0.72	10%	2	20	0.29 U	0.32 U
Sodium	MG/KG	214	70%	14	20	107 U	167
Thallium	MG/KG	1.8	10%	2	20	0.33 U	0.36 U
Vanadium	MG/KG	27	100%	20	20	24.5 J	21
Zinc	MG/KG	691	100%	20	20	167 J	73.9
Others							
Total Organic Carbon	MG/KG	9500	100%	16	16	9500	3600
Total Petroleum Hydrocarbons	MG/KG	3700	25%	4	16	43 UJ	1900 J

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix									GW	GW	GW	GW	GW
Sample ID									EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample									0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample									0	9.7	5.1	9.5	9.5
Sample Date									3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code									DU	SA	SA	SA	SA
Study ID									EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics													
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	3	1 U	1 U	1 U		
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	3	1 U	1 U	1 U		
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	3	1 U	1 U	1 U		
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	3	1 U	1 U	1 U		
1,4-Dichlorobenzene	UG/L	36	33%	3	GA	1	1	3	1 U	1 U	**36**		
Acetone	UG/L	61	20%			0	2	10	52	61	1 U	5 UJ	5.8 R
Benzene	UG/L	0	0%	1	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
Bromochloromethane	UG/L	1	33%	5	GA	0	1	3	1 U	1 U	1		
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Bromoform	UG/L	4	10%	80	MCL	0	1	10	1 U	1 U	4	5 U	0.3 U
Carbon disulfide	UG/L	2	20%			0	2	10	2	2	1 U	5 UJ	0.3 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Chlorobenzene	UG/L	2	10%	5	GA	0	1	10	1 U	1 U	2	5 U	0.4 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Chloroethane	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 UJ
Chloroform	UG/L	0	0%	7	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 UJ
Ethyl benzene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Meta/Para Xylene	UG/L	0	0%			0	0	7				5 U	0.8 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	5 U	5 U	0.4 U
Methyl butyl ketone	UG/L	0	0%			0	0	10	5 U	5 U	1 U	5 U	2.8 U

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix									GW	GW	GW	GW	GW
Sample ID									EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample									0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample									0	9.7	5.1	9.5	9.5
Sample Date									3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code									DU	SA	SA	SA	SA
Study ID									EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Methyl chloride	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	5 U	5 UJ	0.4 U
Methyl ethyl ketone	UG/L	0	0%			0	0	10	5 U	5 U	5 U	5 UJ	3.6 R
Methyl isobutyl ketone	UG/L	0	0%			0	0	10	5 U	5 U	2 U	5 U	2.5 U
Methylene chloride	UG/L	0	0%	5	GA	0	0	10	2 U	2 U	1 U	5 U	0.7 UJ
Ortho Xylene	UG/L	0	0%	5	GA	0	0	7				5 U	0.4 U
Styrene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.5 U
Toluene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Total Xylenes	UG/L	0	0%	5	GA	0	0	3	1 U	1 U	1 U		
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	10	1 U	1 U	1 U	5 U	0.3 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	10	1 U	1 U	1 U	5 U	0.4 U
Vinyl chloride	UG/L	1	10%	2	GA	0	1	10	1 U	1 U	1	5 U	0.3 U
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	9		2.7 U	2.8 U	1 U	1 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1.3 U	1.3 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	9		1.1 U	1.1 U	2.3 U	2.3 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	5		2.7 U	2.8 U		2 UJ
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
2-Chloronaphthalene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
2-Chlorophenol	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
2-Methylnaphthalene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
2-Methylphenol	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	9		2.7 U	2.8 U	1 U	1 U

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix									GW	GW	GW	GW	GW
Sample ID									EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample									0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample									0	9.7	5.1	9.5	9.5
Sample Date									3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code									DU	SA	SA	SA	SA
Study ID									EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
3 or 4-Methylphenol	UG/L	0	0%	1	GA	0	0	4				1.8 U	
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1 UJ	1 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	9		2.7 U	2.8 U	1.2 U	1.2 UJ
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	9		2.7 U	2.8 U	1.2 U	1.2 U
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.3 U	1.3 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1.2 UJ	1.2 U
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
4-Methylphenol	UG/L	0	0%			0	0	5		1.1 U	1.1 U		1.8 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	9		2.7 U	2.8 U	2.4 U	2.4 U
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	9		2.7 U	2.8 U	1.1 U	1.1 U
Acenaphthene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Acenaphthylene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
Anthracene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.3 U	1.3 U
Benzo(a)anthracene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	9		1.1 U	1.1 U	1.5 U	1.5 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.3 UJ	1.3 UJ
Benzo(k)fluoranthene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	2.6 U	2.6 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	UG/L	1.4	33%	5	GA	0	3	9		0.23 J	0.4 J	1 U	1 U
Butylbenzylphthalate	UG/L	0.12	11%			0	1	9		0.12 J	1.1 U	1 U	1 U
Carbazole	UG/L	0	0%			0	0	9		1.1 U	1.1 U	0.42 U	0.42 U
Chrysene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.6 U	1.6 U
Di-n-butylphthalate	UG/L	1.7	33%	50	GA	0	3	9		1.7	0.79 J	1.2 U	1.2 U
Di-n-octylphthalate	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.5 U	1.5 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	9		1.1 UJ	1.1 U	1.5 UJ	1.5 UJ

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix								GW	GW	GW	GW	GW
Sample ID								EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample								0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample								0	9.7	5.1	9.5	9.5
Sample Date								3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code								DU	SA	SA	SA	SA
Study ID								EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Dibenzofuran	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Diethyl phthalate	UG/L	0.057	11%			0	1	9		0.057 J	1.1 U	1 U	1 U
Dimethylphthalate	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Fluoranthene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
Fluorene	UG/L	0.48	11%			0	1	9		1.1 U	0.48 J	1.1 U	1.1 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
Hexachlorobutadiene	UG/L	0.4	22%	0.5	GA	0	2	9		0.061 J	0.4 J	1.5 U	1.5 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	9		1.1 UJ	1.1 U	3.8 U	3.8 R
Hexachloroethane	UG/L	0	0%	5	GA	0	0	9		1.1 U	1.1 U	1.1 U	1.1 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.6 U	1.6 UJ
Isophorone	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	9		1.1 U	1.1 U	2 U	2 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1 U	1 UJ
Naphthalene	UG/L	0	0%			0	0	9		1.1 U	1.1 U	1.2 U	1.2 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	9		2.7 U	2.8 U	1.9 U	1.9 U
Phenanthrene	UG/L	0.24	11%			0	1	9		1.1 U	0.24 J	1 U	1 U
Phenol	UG/L	0	0%	1	GA	0	0	9		1.1 U	1.1 U	1 U	1 U
Pyrene	UG/L	0.13	11%			0	1	9		1.1 U	0.13 J	1 U	1 U
Pesticides/PCBs													
4,4'-DDD	UG/L	0.9	22%	0.3	GA	2	2	9	**0.9**	0.11 U	**0.81** J	0.01 R	0.01 UJ
4,4'-DDE	UG/L	0.3	33%	0.2	GA	2	3	9	**0.27** J	0.093 J	**0.3** J	0.005 UJ	0.005 U
4,4'-DDT	UG/L	0.56	33%	0.2	GA	3	3	9	**0.29** J	**0.28**	**0.56** J	0.01 R	0.01 U
Aldrin	UG/L	0	0%	0	GA	0	0	9	0.057 U	0.057 U	0.054 U	0.02 U	0.02 UJ
Alpha-BHC	UG/L	0.059	22%	0.01	GA	2	2	9	0.057 U	**0.036** J	**0.059** J	0.01 U	0.01 UJ
Alpha-Chlordane	UG/L	0.096	22%			0	2	9	0.096	0.068	0.054 U	0.02 U	0.02 UJ
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.24 U	0.24 UJ
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	9	2.3 U	2.3 U	2.2 U	0.08 U	0.081 U
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.09 U	0.091 UJ
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.08 U	0.081 UJ

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix									GW	GW	GW	GW	GW
Sample ID									EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample									0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample									0	9.7	5.1	9.5	9.5
Sample Date									3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code									DU	SA	SA	SA	SA
Study ID									EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.12 U	0.12 U
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.05 U	0.051 U
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	9	1.1 U	1.1 U	1.1 U	0.01 U	0.01 UJ
Beta-BHC	UG/L	0.56	33%	0.04	GA	3	3	9	**0.56** J	**0.096** J	**0.061** J	0.01 U	0.01 U
Chlordane	UG/L	0	0%			0	0	4				0.14 U	
Delta-BHC	UG/L	0.23	33%	0.04	GA	3	3	9	**0.23** J	**0.094**	**0.16** J	0.004 UJ	0.004 UJ
Dieldrin	UG/L	0.2	22%	0.004	GA	2	2	9	0.11 U	**0.052** J	**0.2** J	0.009 U	0.009 U
Endosulfan I	UG/L	0.11	22%			0	2	9	0.11 J	0.08 J	0.054 U	0.02 UJ	0.02 UJ
Endosulfan II	UG/L	0.28	22%			0	2	9	0.28 J	0.11 U	0.28	0.01 UJ	0.01 UJ
Endosulfan sulfate	UG/L	0.69	33%			0	3	9	0.28 J	0.14 J	0.69 J	0.02 U	0.02 U
Endrin	UG/L	0.71	11%	0	GA	0	1	9	0.11 U	0.11 U	0.71 J	0.02 UJ	0.02 U
Endrin aldehyde	UG/L	0.97	33%	5	GA	0	3	9	0.22 J	0.073 J	0.97 J	0.02 UJ	0.02 U
Endrin ketone	UG/L	0.2	11%	5	GA	0	1	9	0.11 U	0.11 U	0.2	0.009 U	0.009 UJ
Gamma-BHC/Lindane	UG/L	0.038	11%	0.05	GA	0	1	9	0.057 U	0.057 U	0.038 J	0.009 U	0.009 UJ
Gamma-Chlordane	UG/L	0.47	33%			0	3	9	0.47	0.086 J	0.17 J	0.01 U	0.01 U
Heptachlor	UG/L	0.23	22%	0.04	GA	2	2	9	**0.23** J	**0.058** J	0.054 U	0.007 U	0.007 U
Heptachlor epoxide	UG/L	0.11	22%	0.03	GA	2	2	9	0.057 U	**0.072** J	**0.11** J	0.009 UJ	0.009 U
Methoxychlor	UG/L	0.62	22%	35	GA	0	2	9	0.57	0.57 U	0.62 J	0.008 UJ	0.008 U
Toxaphene	UG/L	0	0%	0.06	GA	0	0	9	5.7 U	5.7 U	5.4 U	0.12 U	0.12 U
Metals													
Aluminum	UG/L	5350	100%	50	SEC	8	10	10	**133**	**738** J	**5350** J	**401**	**239**
Antimony	UG/L	10.9	20%	3	GA	2	2	10	5.1 U	5.1 U	5.1 U	7.5 U	3.8 U
Arsenic	UG/L	3.8	10%	10	MCL	0	1	10	3.7 U	3.8	3.7 U	4.5 U	4.5 U
Barium	UG/L	106	100%	1000	GA	0	10	10	39.5	38	106	73.7	69.3 J
Beryllium	UG/L	0.24	20%	4	MCL	0	2	10	0.1 U	0.1 U	0.1	0.9 U	0.1 U
Cadmium	UG/L	1.1	20%	5	GA	0	2	10	0.39	0.3 U	0.3 U	0.8 U	0.8 U
Calcium	UG/L	558000	100%			0	10	10	172000 J	163000	162000 J	115000	114000
Chromium	UG/L	21.4	80%	50	GA	0	8	10	1.2	2.4	6.5	1.4 U	3.1 J
Cobalt	UG/L	4.8	50%			0	5	10	1.4 U	1.6	3.6	2.3 U	0.7 U
Copper	UG/L	17.7	50%	200	GA	0	5	10	1.2 U	2	5.2	2 U	6.2 J

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-1	MW121C-1	MW121C-2	MW121C-3	MW121C-3
Matrix									GW	GW	GW	GW	GW
Sample ID									EB023	EB153	EB154	121C-2000	121C-2009
Sample Depth to Top of Sample									0	2.1	1.6	7.75	7.75
Sample Depth to Bottom of Sample									0	9.7	5.1	9.5	9.5
Sample Date									3/17/98	3/17/98	3/17/98	2/3/03	5/7/03
QC Code									DU	SA	SA	SA	SA
Study ID									EBS	EBS	EBS	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Cyanide	UG/L	0	0%			0	0	3	5 U	5 U	5 U		
Cyanide, Amenable	MG/L	0	0%			0	0	7				0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%			0	0	4				0.01 U	
Iron	UG/L	5620	60%	300	GA	6	6	10	**346**	**1430**	**5620**	**540**	**516**
Lead	UG/L	10.5	60%	15	MCL	0	6	10	1.8 U	1.8 U	1.8 U	4.1	3 U
Magnesium	UG/L	109000	100%			0	10	10	23800	24100	23200	27700	27800
Manganese	UG/L	1590	100%	50	SEC	10	10	10	**1590**	**1140**	**1100**	**139**	**135**
Mercury	UG/L	0.2	20%	0.7	GA	0	2	10	0.1 U	0.1 U	0.1 U	0.2 U	0.2
Nickel	UG/L	10.6	40%	100	GA	0	4	10	2.8	4.2	10.6	2 U	2 U
Potassium	UG/L	21400	100%			0	10	10	7610	10900	21400	2070	1790 J
Selenium	UG/L	6.8	50%	10	GA	0	5	10	3.7 J	5.6 J	4.3	4.2 U	1.3 U
Silver	UG/L	0	0%	50	GA	0	0	10	1.3 U	1.3 U	1.3 U	3.7 U	3.7 U
Sodium	UG/L	95200	100%	20000	GA	5	10	10	8920	11200	**95200**	18300	17900
Thallium	UG/L	0	0%	2	MCL	0	0	10	6.7 U	6.7 U	6.7 U	4.2 U	5.3 U
Vanadium	UG/L	6.5	20%			0	2	10	1.5 U	2.4	6.5 J	2.5 U	1.4 U
Zinc	UG/L	96.2	100%	5000	SEC	0	10	10	2.4	9.3	16.4	12.8 J	38.2
Others													
Total Petroleum Hydrocarbons	MG/L	0	0%			0	0	7				0.04 U	1 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration above action level

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)

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix								GW	GW	GW	GW	GW
Sample ID								121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample								4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample								10	10	10	10	10
Sample Date								2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code								SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics													
1,1,1-Trichloroethane	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
1,1,2-Trichloroethane	UG/L	0	0%	1	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
1,1-Dichloroethane	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
1,1-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 UJ
1,2-Dibromo-3-chloropropane	UG/L	0	0%	0.04	GA	0	0	3					
1,2-Dibromoethane	UG/L	0	0%	0.0006	GA	0	0	3					
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	3					
1,2-Dichloroethane	UG/L	0	0%	0.6	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
1,2-Dichloropropane	UG/L	0	0%	1	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	3					
1,4-Dichlorobenzene	UG/L	36	33%	3	GA	1	1	3					
Acetone	UG/L	61	20%			0	2	10	5 UJ	5 UJ	5.8 R	5 UJ	8.5 UJ
Benzene	UG/L	0	0%	1	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
Bromochloromethane	UG/L	1	33%	5	GA	0	1	3					
Bromodichloromethane	UG/L	0	0%	80	MCL	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Bromoform	UG/L	4	10%	80	MCL	0	1	10	5 U	5 U	0.3 U	5 U	0.3 U
Carbon disulfide	UG/L	2	20%			0	2	10	5 UJ	5 UJ	0.3 U	5 UJ	0.3 UJ
Carbon tetrachloride	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Chlorobenzene	UG/L	2	10%	5	GA	0	1	10	5 U	5 U	0.4 U	5 U	0.4 U
Chlorodibromomethane	UG/L	0	0%	80	MCL	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Chloroethane	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 UJ
Chloroform	UG/L	0	0%	7	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Cis-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
Cis-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 UJ
Ethyl benzene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Meta/Para Xylene	UG/L	0	0%			0	0	7	5 U	5 U	0.8 U	5 U	0.8 U
Methyl bromide	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Methyl butyl ketone	UG/L	0	0%			0	0	10	5 U	5 U	2.8 U	5 U	2.8 U

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix									GW	GW	GW	GW	GW
Sample ID									121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample									4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample									10	10	10	10	10
Sample Date									2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code									SA	SA	SA	SA	SA
Study ID									PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Methyl chloride	UG/L	0	0%	5	GA	0	0	10	5 UJ	5 UJ	0.4 UJ	5 UJ	0.4 U
Methyl ethyl ketone	UG/L	0	0%			0	0	10	5 UJ	5 UJ	3.6 R	5 UJ	3.6 R
Methyl isobutyl ketone	UG/L	0	0%			0	0	10	5 U	5 U	2.5 U	5 U	2.5 U
Methylene chloride	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	1.3 UJ	5 U	0.6 UJ
Ortho Xylene	UG/L	0	0%	5	GA	0	0	7	5 U	5 U	0.4 U	5 U	0.4 U
Styrene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
Tetrachloroethene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.5 U	5 U	0.5 U
Toluene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Total Xylenes	UG/L	0	0%	5	GA	0	0	3					
Trans-1,2-Dichloroethene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Trans-1,3-Dichloropropene	UG/L	0	0%	0.4	GA	0	0	10	5 U	5 U	0.3 U	5 U	0.3 U
Trichloroethene	UG/L	0	0%	5	GA	0	0	10	5 U	5 U	0.4 U	5 U	0.4 U
Vinyl chloride	UG/L	1	10%	2	GA	0	1	10	5 U	5 U	0.3 U	5 U	0.3 U
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	GA	0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
1,2-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
1,3-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/L	0	0%	3	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
2,4,5-Trichlorophenol	UG/L	0	0%	1	GA	0	0	9	1 U	1.1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	UG/L	0	0%	1	GA	0	0	9	1 U	1.1 U	1 U	1 U	1 U
2,4-Dichlorophenol	UG/L	0	0%	5	GA	0	0	9	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U
2,4-Dimethylphenol	UG/L	0	0%			0	0	9	2.4 U	2.4 U	2.3 U	2.4 U	2.3 U
2,4-Dinitrophenol	UG/L	0	0%			0	0	5			2 U		2 UJ
2,4-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	9	1.1 U	1.2 UJ	1.1 U	1.1 U	1.1 U
2,6-Dinitrotoluene	UG/L	0	0%	5	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
2-Chloronaphthalene	UG/L	0	0%			0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
2-Chlorophenol	UG/L	0	0%			0	0	9	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
2-Methylnaphthalene	UG/L	0	0%			0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
2-Methylphenol	UG/L	0	0%			0	0	9	1 U	1.1 U	1 U	1 U	1 U
2-Nitroaniline	UG/L	0	0%	5	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix									GW	GW	GW	GW	GW
Sample ID									121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample									4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample									10	10	10	10	10
Sample Date									2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code									SA	SA	SA	SA	SA
Study ID									PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
2-Nitrophenol	UG/L	0	0%	1	GA	0	0	9	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
3 or 4-Methylphenol	UG/L	0	0%	1	GA	0	0	4	1.9 U	1.9 U		1.9 U	
3,3'-Dichlorobenzidine	UG/L	0	0%	5	GA	0	0	9	1 UJ	1.1 UJ	1 U	1 UJ	1 U
3-Nitroaniline	UG/L	0	0%	5	GA	0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 UJ
4,6-Dinitro-2-methylphenol	UG/L	0	0%	1	GA	0	0	9	1.2 U	1.3 U	1.2 U	1.2 U	1.2 UJ
4-Bromophenyl phenyl ether	UG/L	0	0%			0	0	9	1.4 U	1.4 UJ	1.3 U	1.3 U	1.3 U
4-Chloro-3-methylphenol	UG/L	0	0%	1	GA	0	0	9	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
4-Chloroaniline	UG/L	0	0%	5	GA	0	0	9	1.2 UJ	1.3 UJ	1.2 U	1.2 UJ	1.2 UJ
4-Chlorophenyl phenyl ether	UG/L	0	0%			0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
4-Methylphenol	UG/L	0	0%			0	0	5			1.8 U		1.8 U
4-Nitroaniline	UG/L	0	0%	5	GA	0	0	9	2.5 U	2.5 UJ	2.4 U	2.5 U	2.4 UJ
4-Nitrophenol	UG/L	0	0%	1	GA	0	0	9	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
Acenaphthene	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Acenaphthylene	UG/L	0	0%			0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
Anthracene	UG/L	0	0%			0	0	9	1.4 U	1.4 UJ	1.3 U	1.3 U	1.3 U
Benzo(a)anthracene	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Benzo(a)pyrene	UG/L	0	0%	0	GA	0	0	9	1.6 U	1.6 UJ	1.5 U	1.5 U	1.5 U
Benzo(b)fluoranthene	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Benzo(ghi)perylene	UG/L	0	0%			0	0	9	1.4 UJ	1.4 UJ	1.3 U	1.3 UJ	1.3 UJ
Benzo(k)fluoranthene	UG/L	0	0%			0	0	9	2.7 U	2.7 UJ	2.7 U	2.7 U	2.6 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%	5	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Bis(2-Chloroethyl)ether	UG/L	0	0%	1	GA	0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%	5	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Bis(2-Ethylhexyl)phthalate	UG/L	1.4	33%	5	GA	0	3	9	1 U	1.1 UJ	1.4 J	1 U	1 U
Butylbenzylphthalate	UG/L	0.12	11%			0	1	9	1 U	1.1 UJ	1 U	1 U	1 U
Carbazole	UG/L	0	0%			0	0	9	0.43 U	0.44 UJ	0.42 U	0.43 U	0.42 U
Chrysene	UG/L	0	0%			0	0	9	1.7 U	1.7 UJ	1.6 U	1.6 U	1.6 U
Di-n-butylphthalate	UG/L	1.7	33%	50	GA	0	3	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.6 J
Di-n-octylphthalate	UG/L	0	0%			0	0	9	1.6 U	1.6 UJ	1.5 U	1.5 U	1.5 U
Dibenz(a,h)anthracene	UG/L	0	0%			0	0	9	1.6 UJ	1.6 UJ	1.5 U	1.5 UJ	1.5 UJ

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix								GW	GW	GW	GW	GW
Sample ID								121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample								4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample								10	10	10	10	10
Sample Date								2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code								SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Dibenzofuran	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Diethyl phthalate	UG/L	0.057	11%			0	1	9	1 U	1.1 UJ	1 U	1 U	1 U
Dimethylphthalate	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Fluoranthene	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Fluorene	UG/L	0.48	11%			0	1	9	1.1 U	1.2 UJ	1.1 U	1.1 U	1.1 U
Hexachlorobenzene	UG/L	0	0%	0.04	GA	0	0	9	1.1 U	1.2 UJ	1.1 U	1.1 U	1.1 U
Hexachlorobutadiene	UG/L	0.4	22%	0.5	GA	0	2	9	1.6 U	1.6 UJ	1.5 U	1.5 U	1.5 U
Hexachlorocyclopentadiene	UG/L	0	0%	5	GA	0	0	9	4 U	4 UJ	3.9 U	3.9 U	3.8 R
Hexachloroethane	UG/L	0	0%	5	GA	0	0	9	1.1 U	1.2 UJ	1.1 U	1.1 U	1.1 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%			0	0	9	1.7 U	1.7 UJ	1.6 U	1.6 U	1.6 UJ
Isophorone	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
N-Nitrosodiphenylamine	UG/L	0	0%			0	0	9	2.1 U	2.1 UJ	2 U	2.1 U	2 U
N-Nitrosodipropylamine	UG/L	0	0%			0	0	9	1 U	1.1 UJ	1 U	1 U	1 UJ
Naphthalene	UG/L	0	0%			0	0	9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.2 U
Nitrobenzene	UG/L	0	0%	0.4	GA	0	0	9	1 U	1.1 UJ	1 U	1 U	1 U
Pentachlorophenol	UG/L	0	0%	1	GA	0	0	9	2 U	2 U	1.9 U	2 U	1.9 U
Phenanthrene	UG/L	0.24	11%			0	1	9	1 U	1.1 UJ	1 U	1 U	1 U
Phenol	UG/L	0	0%	1	GA	0	0	9	1 U	1.1 U	1 U	1 U	1 U
Pyrene	UG/L	0.13	11%			0	1	9	1 U	1.1 UJ	1 U	1 U	1 U
Pesticides/PCBs													
4,4'-DDD	UG/L	0.9	22%	0.3	GA	2	2	9	0.01 R	0.01 R	0.01 UJ	0.01 R	
4,4'-DDE	UG/L	0.3	33%	0.2	GA	2	3	9	0.005 UJ	0.005 UJ	0.005 U	0.005 UJ	
4,4'-DDT	UG/L	0.56	33%	0.2	GA	3	3	9	0.01 R	0.01 R	0.01 UJ	0.01 R	
Aldrin	UG/L	0	0%	0	GA	0	0	9	0.02 U	0.02 U	0.02 U	0.02 U	
Alpha-BHC	UG/L	0.059	22%	0.01	GA	2	2	9	0.01 U	0.01 U	0.01 UJ	0.01 U	
Alpha-Chlordane	UG/L	0.096	22%			0	2	9	0.02 U	0.02 U	0.02 U	0.02 U	
Aroclor-1016	UG/L	0	0%	0.09	GA	0	0	9	0.24 U	0.24 U	0.24 U	0.24 U	
Aroclor-1221	UG/L	0	0%	0.09	GA	0	0	9	0.08 U	0.08 U	0.081 U	0.08 U	
Aroclor-1232	UG/L	0	0%	0.09	GA	0	0	9	0.09 U	0.09 U	0.091 U	0.09 U	
Aroclor-1242	UG/L	0	0%	0.09	GA	0	0	9	0.08 U	0.08 U	0.081 U	0.08 U	

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix									GW	GW	GW	GW	GW
Sample ID									121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample									4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample									10	10	10	10	10
Sample Date									2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code									SA	SA	SA	SA	SA
Study ID									PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Aroclor-1248	UG/L	0	0%	0.09	GA	0	0	9	0.12 U	0.12 U	0.12 U	0.12 U	
Aroclor-1254	UG/L	0	0%	0.09	GA	0	0	9	0.05 U	0.05 U	0.051 U	0.05 U	
Aroclor-1260	UG/L	0	0%	0.09	GA	0	0	9	0.01 U	0.01 U	0.01 U	0.01 U	
Beta-BHC	UG/L	0.56	33%	0.04	GA	3	3	9	0.01 U	0.01 U	0.01 U	0.01 U	
Chlordane	UG/L	0	0%			0	0	4	0.14 U	0.14 U		0.14 U	
Delta-BHC	UG/L	0.23	33%	0.04	GA	3	3	9	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ	
Dieldrin	UG/L	0.2	22%	0.004	GA	2	2	9	0.009 U	0.009 U	0.009 U	0.009 U	
Endosulfan I	UG/L	0.11	22%			0	2	9	0.02 UJ	0.02 UJ	0.01 U	0.02 UJ	
Endosulfan II	UG/L	0.28	22%			0	2	9	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	
Endosulfan sulfate	UG/L	0.69	33%			0	3	9	0.02 U	0.02 U	0.02 UJ	0.02 U	
Endrin	UG/L	0.71	11%	0	GA	0	1	9	0.02 UJ	0.02 UJ	0.02 UJ	0.02 UJ	
Endrin aldehyde	UG/L	0.97	33%	5	GA	0	3	9	0.02 UJ	0.02 UJ	0.02 U	0.02 UJ	
Endrin ketone	UG/L	0.2	11%	5	GA	0	1	9	0.009 U	0.009 U	0.009 U	0.009 U	
Gamma-BHC/Lindane	UG/L	0.038	11%	0.05	GA	0	1	9	0.009 U	0.009 U	0.009 UJ	0.009 U	
Gamma-Chlordane	UG/L	0.47	33%			0	3	9	0.01 U	0.01 U	0.01 U	0.01 U	
Heptachlor	UG/L	0.23	22%	0.04	GA	2	2	9	0.007 U	0.007 U	0.007 U	0.007 U	
Heptachlor epoxide	UG/L	0.11	22%	0.03	GA	2	2	9	0.009 UJ	0.009 UJ	0.008 U	0.009 UJ	
Methoxychlor	UG/L	0.62	22%	35	GA	0	2	9	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ	
Toxaphene	UG/L	0	0%	0.06	GA	0	0	9	0.12 U	0.12 U	0.12 U	0.12 U	
Metals													
Aluminum	UG/L	5350	100%	50	SEC	8	10	10	**146** J	**1030**	19.9 J	**88.7** J	41.1 J
Antimony	UG/L	10.9	20%	3	GA	2	2	10	7.5 U	**10.9** J	3.8 U	**8.4** J	3.8 U
Arsenic	UG/L	3.8	10%	10	MCL	0	1	10	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
Barium	UG/L	106	100%	1000	GA	0	10	10	29.6	32.4	21 J	19.4	18.2 J
Beryllium	UG/L	0.24	20%	4	MCL	0	2	10	0.9 U	0.9 U	0.24 J	0.9 U	0.1 U
Cadmium	UG/L	1.1	20%	5	GA	0	2	10	0.8 U	0.8 U	0.8 U	0.8 U	1.1 J
Calcium	UG/L	558000	100%			0	10	10	420000	513000	338000 J	558000	418000
Chromium	UG/L	21.4	80%	50	GA	0	8	10	1.4 U	5.8	1.5 J	3.3	21.4
Cobalt	UG/L	4.8	50%			0	5	10	2.3 U	4.8 J	1.5 J	3 J	0.7 U
Copper	UG/L	17.7	50%	200	GA	0	5	10	2 U	2 U	11.8 J	2 U	17.7 J

Table C-3
GROUNDWATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility									SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID									MW121C-4	MW121C-4	MW121C-4	MW121C-6	MW121C-6
Matrix									GW	GW	GW	GW	GW
Sample ID									121C-2002	121C-2004	121C-2010	121C-2003	121C-2012
Sample Depth to Top of Sample									4.5	4.5	4.5	6.9	6.9
Sample Depth to Bottom of Sample									10	10	10	10	10
Sample Date									2/3/03	2/4/03	5/7/03	2/3/03	5/7/03
QC Code									SA	SA	SA	SA	SA
Study ID									PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level	Source of Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Cyanide	UG/L	0	0%			0	0	3					
Cyanide, Amenable	MG/L	0	0%			0	0	7	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%			0	0	4	0.01 U	0.01 U		0.01 U	
Iron	UG/L	5620	60%	300	GA	6	6	10	34.9 U	**1720**	22.2 U	34.9 U	22.2 U
Lead	UG/L	10.5	60%	15	MCL	0	6	10	5.6	4.8	9	3.8	10.5
Magnesium	UG/L	109000	100%			0	10	10	73600	88000	61800	109000	89000
Manganese	UG/L	1590	100%	50	SEC	10	10	10	**328**	**244**	**279**	**297**	**170**
Mercury	UG/L	0.2	20%	0.7	GA	0	2	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Nickel	UG/L	10.6	40%	100	GA	0	4	10	2 U	3.2 J	2 U	2 U	2 U
Potassium	UG/L	21400	100%			0	10	10	9430	6320	9400	3850	6320 J
Selenium	UG/L	6.8	50%	10	GA	0	5	10	3 U	5 U	1.9 J	6.8	1.3 U
Silver	UG/L	0	0%	50	GA	0	0	10	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Sodium	UG/L	95200	100%	20000	GA	5	10	10	**60100**	**56700**	**54100**	**26400**	17600
Thallium	UG/L	0	0%	2	MCL	0	0	10	4.2 U	4.2 U	5.3 U	4.2 U	5.3 U
Vanadium	UG/L	6.5	20%			0	2	10	2.5 U	2.5 U	1.4 U	2.5 U	1.4 U
Zinc	UG/L	96.2	100%	5000	SEC	0	10	10	9.2 J	24	24.8	12.6 J	96.2
Others													
Total Petroleum Hydrocarbons	MG/L	0	0%			0	0	7	0.041 U	0.04 U	1 U	0.04 U	1 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration above action level

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)

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix							SW	SW	SW	SW	SW	SW
Sample ID							DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample							0	0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics													
1,1,1-Trichloroethane	UG/L	0	0%		0	0	11	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%		0	0	11	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2-Trichloroethane	UG/L	0	0%		0	0	11	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethane	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
1,1-Dichloroethene	UG/L	0	0%		0	0	11	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0	0%		0	0	11	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
1,2-Dichloropropane	UG/L	0	0%		0	0	11	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Acetone	UG/L	0	0%		0	0	11	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ
Benzene	UG/L	0	0%		0	0	11	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bromodichloromethane	UG/L	0	0%		0	0	11	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Bromoform	UG/L	0	0%		0	0	11	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Carbon disulfide	UG/L	0	0%		0	0	11	0.72 UJ	0.72 U	0.72 UJ	0.72 UJ	0.72 UJ	0.72 UJ
Carbon tetrachloride	UG/L	0	0%		0	0	11	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Chlorobenzene	UG/L	0	0%	5	0	0	11	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Chlorodibromomethane	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Chloroethane	UG/L	0	0%		0	0	11	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Chloroform	UG/L	0	0%		0	0	11	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Cis-1,2-Dichloroethene	UG/L	0	0%		0	0	11	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Cis-1,3-Dichloropropene	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Ethyl benzene	UG/L	0	0%		0	0	11	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Meta/Para Xylene	UG/L	0	0%		0	0	11	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Methyl bromide	UG/L	0	0%		0	0	11	0.38 U	0.38 UJ	0.38 U	0.38 U	0.38 U	0.38 U
Methyl butyl ketone	UG/L	0	0%		0	0	11	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Methyl chloride	UG/L	0	0%		0	0	11	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methyl ethyl ketone	UG/L	0	0%		0	0	11	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methyl isobutyl ketone	UG/L	0	0%		0	0	11	0.81 U	0.81 UJ	0.81 U	0.81 U	0.81 U	0.81 U
Methylene chloride	UG/L	0	0%		0	0	11	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ortho Xylene	UG/L	0	0%		0	0	11	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Styrene	UG/L	0	0%		0	0	11	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix							SW	SW	SW	SW	SW	SW
Sample ID							DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample							0	0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/L	0	0%		0	0	11	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ
Toluene	UG/L	0	0%	6000	0	0	11	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Trans-1,2-Dichloroethene	UG/L	0	0%		0	0	11	0.81 UJ	0.81 U	0.81 UJ	0.81 UJ	0.81 UJ	0.81 UJ
Trans-1,3-Dichloropropene	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Trichloroethene	UG/L	0	0%	40	0	0	11	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Vinyl chloride	UG/L	0	0%		0	0	11	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	1	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	0	0%	1000	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%	400	0	0	11	10 UJ	10 UJ	10 U	10 UJ	10 U	10 UJ
2,4-Dinitrotoluene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	0	0%	4.7	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	UG/L	0	0%		0	0	11	10 U	10 UJ	10 U	10 U	10 U	10 UJ
2-Nitroaniline	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
3 or 4-Methylphenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 UJ
4,6-Dinitro-2-methylphenol	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
4-Bromophenyl phenyl ether	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
4-Chloro-3-methylphenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix							SW	SW	SW	SW	SW	SW
Sample ID							DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample							0	0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
4-Nitrophenol	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Acenaphthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%		0	0	11	10 U	10 U	10 UJ	10 U	10 U	10 UJ
Benzo(ghi)perylene	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	4.2	9%	0.6	1	1	11	10 U	10 U	**4.2** J	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Di-n-octylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.00003	0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Hexachlorobutadiene	UG/L	0	0%	0.01	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	0.45	0	0	11	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix								SW	SW	SW	SW	SW	SW
Sample ID								DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample								0	0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachloroethane	UG/L	0	0%	0.6	0	0	11	10 U	10 U	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U
Isophorone	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 UJ	10 U	10 UJ
N-Nitrosodipropylamine	UG/L	0	0%		0	0	11	10 U	10 U	10 UJ	10 U	10 U	10 U
Naphthalene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Phenanthrene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ
Pesticides/PCBs													
4,4'-DDD	UG/L	0	0%	0.00008	0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4,4'-DDE	UG/L	0	0%	0.000007	0	0	11	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4,4'-DDT	UG/L	0	0%	0.00001	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Aldrin	UG/L	0	0%	0.001	0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha-BHC	UG/L	0	0%		0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Alpha-Chlordane	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta-BHC	UG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlordane	UG/L	0	0%		0	0	11	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Delta-BHC	UG/L	0	0%		0	0	11	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Dieldrin	UG/L	0	0%	0.0000006	0	0	11	0.009 UJ	0.009 U	0.009 UJ	0.009 UJ	0.009 UJ	0.009 UJ
Endosulfan I	UG/L	0	0%	0.009	0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan II	UG/L	0	0%	0.009	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Endosulfan sulfate	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	UG/L	0	0%	0.002	0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin aldehyde	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin ketone	UG/L	0	0%		0	0	11	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-BHC/Lindane	UG/L	0	0%		0	0	11	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-Chlordane	UG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	SEAD-121C SWDRMO-1 DRMO-3000 Value (Q)	SEAD-121C SWDRMO-10 DRMO-3010 Value (Q)	SEAD-121C SWDRMO-2 DRMO-3001 Value (Q)	SEAD-121C SWDRMO-3 DRMO-3002 Value (Q)	SEAD-121C SWDRMO-4 DRMO-3003 Value (Q)	SEAD-121C SWDRMO-5 DRMO-3004 Value (Q)
Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix								SW	SW	SW	SW	SW	SW
Sample ID								DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample								0	0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Heptachlor	UG/L	0	0%	0.0002	0	0	11	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Heptachlor epoxide	UG/L	0	0%	0.0003	0	0	11	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Methoxychlor	UG/L	0	0%	0.03	0	0	11	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Toxaphene	UG/L	0	0%	0.000006	0	0	11	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1016	UG/L	0	0%	0.000001	0	0	11	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Aroclor-1221	UG/L	0	0%	0.000001	0	0	11	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1232	UG/L	0	0%	0.000001	0	0	11	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ
Aroclor-1242	UG/L	0	0%		0	0	11	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ
Aroclor-1248	UG/L	0	0%	0.000001	0	0	11	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1254	UG/L	0	0%	0.000001	0	0	11	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	UG/L	0	0%	0.000001	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Metals													
Aluminum	UG/L	8760	100%	100	5	11	11	**146**	**219**	**8760**	**4500**	39	**524**
Antimony	UG/L	0	0%		0	0	11	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Arsenic	UG/L	50.3	18%	150	0	2	11	2.8 U	2.8 U	50.3	2.8 U	2.8 U	2.8 U
Barium	UG/L	423	100%		0	11	11	53.7	75.9	423	149	49.5	72.5
Beryllium	UG/L	0.86	91%	1100	0	10	11	0.1 U	0.16 J	0.86 J	0.52 J	0.12 J	0.16
Cadmium	UG/L	19.5	36%	3.84	2	4	11	0.4 U	0.4 U	**19.5**	**4.3**	0.4 U	1.4
Calcium	UG/L	166000	100%		0	11	11	73800	115000	150000	166000	66700	92600
Chromium	UG/L	129	73%	139.45	0	8	11	1.8	1.9	129	13.7	0.69	2.2
Cobalt	UG/L	47	73%	5	2	8	11	2.2	0.6 U	**47**	**9.7**	0.6 U	3
Copper	UG/L	1160	100%	17.32	2	11	11	4	3.8	**1160**	**118**	2.3	12.3
Cyanide, Amenable	MG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	UG/L	110000	82%	300	5	9	11	**1460**	**421**	**110000**	**17200**	105	**2020**
Lead	UG/L	839	100%	1.4624632	11	11	11	**6.5** J	**8** J	**839**	**261**	**5.9** J	**16.1**
Magnesium	UG/L	26200	100%		0	11	11	12200	16100	26200	20000	11400	12300
Manganese	UG/L	2380	100%		0	11	11	315	55.2	2380	828	37.4	235
Mercury	UG/L	2.1	18%	0.0007	2	2	11	0.2 U	0.2 U	**2.1**	**0.26**	0.2 U	0.2 U
Nickel	UG/L	154	27%	99.92	1	3	11	1.8 U	1.8 U	**154**	20.4	1.8 U	10.6

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-1	SWDRMO-10	SWDRMO-2	SWDRMO-3	SWDRMO-4	SWDRMO-5
Matrix								SW	SW	SW	SW	SW	SW
Sample ID								DRMO-3000	DRMO-3010	DRMO-3001	DRMO-3002	DRMO-3003	DRMO-3004
Sample Depth to Top of Sample								0	0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Potassium	UG/L	5350	100%		0	11	11	3420 J	2310 J	2580 J	5350 J	3440 J	3720 J
Selenium	UG/L	4.6	9%	4.6	0	1	11	3 U	3 U	4.6 J	3 U	3 U	3 U
Silver	UG/L	8	18%	0.1	2	2	11	1 U	1 U	**8**	**1.7**	1 U	1 U
Sodium	UG/L	123000	100%		0	11	11	123000 J	73900 J	71500 J	75200 J	117000 J	70400 J
Thallium	UG/L	6.3	18%	8	0	2	11	5.5 J	5.4 U	5.4 U	5.4 U	6.3	5.4 U
Vanadium	UG/L	233	45%	14	2	5	11	1.2	0.7 U	**233**	**14.6**	0.7 U	2.1
Zinc	UG/L	6910	100%	159.25	2	11	11	19.6	19.7	**6910**	**425**	16.4	102
Others													
Total Petroleum Hydrocarbons	MG/L	8.08	10%		0	1	10	1 U	1 U	8.08	1 U	1 U	1 U

Note(s):
U = compound was not detected.
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration is above action level.

1. Action Levels are from the New York State Ambient Water Quality Standards, Class C for Surface Water.

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix							SW	SW	SW	SW	SW
Sample ID							DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample							0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics												
1,1,1-Trichloroethane	UG/L	0	0%		0	0	11	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%		0	0	11	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2-Trichloroethane	UG/L	0	0%		0	0	11	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethane	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
1,1-Dichloroethene	UG/L	0	0%		0	0	11	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0	0%		0	0	11	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
1,2-Dichloropropane	UG/L	0	0%		0	0	11	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Acetone	UG/L	0	0%		0	0	11	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ
Benzene	UG/L	0	0%		0	0	11	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Bromodichloromethane	UG/L	0	0%		0	0	11	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Bromoform	UG/L	0	0%		0	0	11	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Carbon disulfide	UG/L	0	0%		0	0	11	0.72 UJ	0.72 UJ	0.72 U	0.72 U	0.72 U
Carbon tetrachloride	UG/L	0	0%		0	0	11	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Chlorobenzene	UG/L	0	0%	5	0	0	11	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Chlorodibromomethane	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Chloroethane	UG/L	0	0%		0	0	11	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Chloroform	UG/L	0	0%		0	0	11	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
Cis-1,2-Dichloroethene	UG/L	0	0%		0	0	11	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Cis-1,3-Dichloropropene	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Ethyl benzene	UG/L	0	0%		0	0	11	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
Meta/Para Xylene	UG/L	0	0%		0	0	11	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Methyl bromide	UG/L	0	0%		0	0	11	0.38 U	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ
Methyl butyl ketone	UG/L	0	0%		0	0	11	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Methyl chloride	UG/L	0	0%		0	0	11	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Methyl ethyl ketone	UG/L	0	0%		0	0	11	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Methyl isobutyl ketone	UG/L	0	0%		0	0	11	0.81 U	0.81 U	0.81 UJ	0.81 UJ	0.81 UJ
Methylene chloride	UG/L	0	0%		0	0	11	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ortho Xylene	UG/L	0	0%		0	0	11	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Styrene	UG/L	0	0%		0	0	11	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix							SW	SW	SW	SW	SW
Sample ID							DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample							0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/L	0	0%		0	0	11	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ
Toluene	UG/L	0	0%	6000	0	0	11	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Trans-1,2-Dichloroethene	UG/L	0	0%		0	0	11	0.81 UJ	0.81 UJ	0.81 U	0.81 U	0.81 U
Trans-1,3-Dichloropropene	UG/L	0	0%		0	0	11	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Trichloroethene	UG/L	0	0%	40	0	0	11	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Vinyl chloride	UG/L	0	0%		0	0	11	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Semivolatile Organic Compounds												
1,2,4-Trichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	0	0%	1	0	0	11	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	0	0%	1000	0	0	11	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	0	0%	400	0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
2,4-Dinitrotoluene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	0	0%	4.7	0	0	11	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
2-Nitroaniline	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
3 or 4-Methylphenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
4-Bromophenyl phenyl ether	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
4-Chloro-3-methylphenol	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID							SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix							SW	SW	SW	SW	SW
Sample ID							DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample							0	0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A	N/A
Sample Date							11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code							SA	SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
4-Nitrophenol	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
Acenaphthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%		0	0	11	10 U	10 U	10 UJ	10 UJ	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	4.2	9%	0.6	1	1	11	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
Di-n-octylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.00003	0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
Hexachlorobutadiene	UG/L	0	0%	0.01	0	0	11	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	0.45	0	0	11	10 UJ	10 U	10 UJ	10 UJ	10 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix								SW	SW	SW	SW	SW
Sample ID								DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample								0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachloroethane	UG/L	0	0%	0.6	0	0	11	10 UJ	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%		0	0	11	10 U	10 UJ	10 U	10 U	10 UJ
Isophorone	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%		0	0	11	10 UJ	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
Phenanthrene	UG/L	0	0%		0	0	11	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	0	0%	5	0	0	11	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	0	0%		0	0	11	10 UJ	10 UJ	10 U	10 U	10 UJ
Pesticides/PCBs												
4,4'-DDD	UG/L	0	0%	0.00008	0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4,4'-DDE	UG/L	0	0%	0.000007	0	0	11	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4,4'-DDT	UG/L	0	0%	0.00001	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Aldrin	UG/L	0	0%	0.001	0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha-BHC	UG/L	0	0%		0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Alpha-Chlordane	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta-BHC	UG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chlordane	UG/L	0	0%		0	0	11	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Delta-BHC	UG/L	0	0%		0	0	11	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Dieldrin	UG/L	0	0%	0.0000006	0	0	11	0.009 UJ	0.009 UJ	0.009 UJ	0.009 U	0.009 U
Endosulfan I	UG/L	0	0%	0.009	0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan II	UG/L	0	0%	0.009	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Endosulfan sulfate	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	UG/L	0	0%	0.002	0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin aldehyde	UG/L	0	0%		0	0	11	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin ketone	UG/L	0	0%		0	0	11	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-BHC/Lindane	UG/L	0	0%		0	0	11	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-Chlordane	UG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix								SW	SW	SW	SW	SW
Sample ID								DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample								0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Heptachlor	UG/L	0	0%	0.0002	0	0	11	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Heptachlor epoxide	UG/L	0	0%	0.0003	0	0	11	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Methoxychlor	UG/L	0	0%	0.03	0	0	11	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Toxaphene	UG/L	0	0%	0.000006	0	0	11	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1016	UG/L	0	0%	0.000001	0	0	11	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Aroclor-1221	UG/L	0	0%	0.000001	0	0	11	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1232	UG/L	0	0%	0.000001	0	0	11	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ
Aroclor-1242	UG/L	0	0%		0	0	11	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ
Aroclor-1248	UG/L	0	0%	0.000001	0	0	11	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1254	UG/L	0	0%	0.000001	0	0	11	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	UG/L	0	0%	0.000001	0	0	11	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Metals												
Aluminum	UG/L	8760	100%	100	5	11	11	27.5	14.4	23.9	23.4	19.4
Antimony	UG/L	0	0%		0	0	11	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Arsenic	UG/L	50.3	18%	150	0	2	11	2.8 U	2.8 U	2.8 U	2.8 U	2.8
Barium	UG/L	423	100%		0	11	11	50.4	54	43.7	47.4	37.2
Beryllium	UG/L	0.86	91%	1100	0	10	11	0.16	0.16	0.14	0.12	0.14
Cadmium	UG/L	19.5	36%	3.84	2	4	11	0.4 U	0.4 U	0.4 U	0.4 U	0.46
Calcium	UG/L	166000	100%		0	11	11	72300	91700	67700	72200	84100
Chromium	UG/L	129	73%	139.45	0	8	11	0.6 U	0.89	0.6 U	0.6 U	1.9
Cobalt	UG/L	47	73%	5	2	8	11	1.1	0.6 U	0.6	0.6	0.91
Copper	UG/L	1160	100%	17.32	2	11	11	2.6	1.7	1.8	2.1	6.7
Cyanide, Amenable	MG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%		0	0	11	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	UG/L	110000	82%	300	5	9	11	109	17.3 U	19 J	34.2 J	17.3 U
Lead	UG/L	839	100%	1.4624632	11	11	11	**6.8** J	**7.7** J	**3.7**	**5.1** J	**5.7** J
Magnesium	UG/L	26200	100%		0	11	11	12000	12400	11600	12300	11100
Manganese	UG/L	2380	100%		0	11	11	45.7	20.7	11.6	26.1	3.2
Mercury	UG/L	2.1	18%	0.0007	2	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	154	27%	99.92	1	3	11	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U

Table C-4
SURFACE WATER SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID								SWDRMO-6	SWDRMO-7	SWDRMO-8	SWDRMO-8	SWDRMO-9
Matrix								SW	SW	SW	SW	SW
Sample ID								DRMO-3006	DRMO-3007	DRMO-3008	DRMO-3005	DRMO-3009
Sample Depth to Top of Sample								0	0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A	N/A
Sample Date								11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code								SA	SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Potassium	UG/L	5350	100%		0	11	11	3860 J	2070 J	3450 J	3660 J	4380 J
Selenium	UG/L	4.6	9%	4.6	0	1	11	3 U	3 U	3 U	3 U	3 U
Silver	UG/L	8	18%	0.1	2	2	11	1 U	1 U	1 U	1 U	1 U
Sodium	UG/L	123000	100%		0	11	11	113000 J	34800 J	102000 J	108000 J	4490
Thallium	UG/L	6.3	18%	8	0	2	11	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Vanadium	UG/L	233	45%	14	2	5	11	0.89	0.7 U	0.7 U	0.7 U	0.7 U
Zinc	UG/L	6910	100%	159.25	2	11	11	17.8	15.9	13.9	16.8	42.7
Others												
Total Petroleum Hydrocarbons	MG/L	8.08	10%		0	1	10	1 U	1 U	1 U	1 U	

Note(s):
U = compound was not detected.
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration is above action level.

1. Action Levels are from the New York State Ambient Water Quality Standards, Class C for Surface Water.

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-1	SDDRMO-2	SDDRMO-3	SDDRMO-4	SDDRMO-5	SDDRMO-8
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4000	DRMO-4001	DRMO-4002	DRMO-4003	DRMO-4004	DRMO-4005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Acetone	UG/KG	150	73%	8	11	14 J	53 J	150 J	12 UJ	12 J	21 J
Benzene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Bromodichloromethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Bromoform	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Carbon disulfide	UG/KG	12	18%	2	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Carbon tetrachloride	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Chlorobenzene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Chlorodibromomethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Chloroethane	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Chloroform	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Ethyl benzene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Meta/Para Xylene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Methyl bromide	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Methyl butyl ketone	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Methyl chloride	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Methyl ethyl ketone	UG/KG	130	27%	3	11	3.6 J	12 UJ	26 UJ	130 J	6.5 UJ	6.6 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Methylene chloride	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Ortho Xylene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Styrene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Tetrachloroethene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Toluene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-1	SDDRMO-2	SDDRMO-3	SDDRMO-4	SDDRMO-5	SDDRMO-8
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4000	DRMO-4001	DRMO-4002	DRMO-4003	DRMO-4004	DRMO-4005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Trichloroethene	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Vinyl chloride	UG/KG	0	0%	0	11	2.8 UJ	12 UJ	26 UJ	12 UJ	6.5 UJ	6.6 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
1,2-Dichlorobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
1,3-Dichlorobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
1,4-Dichlorobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2,4,5-Trichlorophenol	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
2,4,6-Trichlorophenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2,4-Dichlorophenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2,4-Dimethylphenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2,4-Dinitrophenol	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2,6-Dinitrotoluene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2-Chloronaphthalene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2-Chlorophenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2-Methylnaphthalene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2-Methylphenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
2-Nitroaniline	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
2-Nitrophenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
3 or 4-Methylphenol	UG/KG	790	9%	1	11	360 U	1600 UJ	790 J	1600 UJ	840 UJ	650 UJ
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
3-Nitroaniline	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
4-Chloro-3-methylphenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
4-Chloroaniline	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
4-Nitroaniline	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
4-Nitrophenol	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
Acenaphthene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Acenaphthylene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-1	SDDRMO-2	SDDRMO-3	SDDRMO-4	SDDRMO-5	SDDRMO-8
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4000	DRMO-4001	DRMO-4002	DRMO-4003	DRMO-4004	DRMO-4005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Anthracene	UG/KG	250	18%	2	11	360 U	250 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Benzo(a)anthracene	UG/KG	1100	18%	2	11	360 U	1100 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Benzo(a)pyrene	UG/KG	900	18%	2	11	360 U	900 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Benzo(b)fluoranthene	UG/KG	1100	18%	2	11	360 U	1100 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Benzo(ghi)perylene	UG/KG	290	9%	1	11	360 U	290 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Benzo(k)fluoranthene	UG/KG	580	9%	1	11	360 U	580 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Bis(2-Ethylhexyl)phthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Butylbenzylphthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Carbazole	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Chrysene	UG/KG	1200	18%	2	11	360 U	1200 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Di-n-butylphthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Di-n-octylphthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Dibenz(a,h)anthracene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Dibenzofuran	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Diethyl phthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Dimethylphthalate	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Fluoranthene	UG/KG	2100	18%	2	11	360 U	2100 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Fluorene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Hexachlorobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Hexachlorobutadiene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Hexachloroethane	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Indeno(1,2,3-cd)pyrene	UG/KG	270	9%	1	11	360 U	270 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Isophorone	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
N-Nitrosodiphenylamine	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
N-Nitrosodipropylamine	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Naphthalene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Nitrobenzene	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Pentachlorophenol	UG/KG	0	0%	0	11	910 U	4100 UJ	4300 UJ	3900 UJ	2100 UJ	1600 UJ
Phenanthrene	UG/KG	1100	18%	2	11	360 U	1100 J	1700 UJ	1600 UJ	840 UJ	650 UJ
Phenol	UG/KG	0	0%	0	11	360 U	1600 UJ	1700 UJ	1600 UJ	840 UJ	650 UJ
Pyrene	UG/KG	2100	18%	2	11	360 U	2100 J	1700 UJ	1600 UJ	840 UJ	650 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-1	SDDRMO-2	SDDRMO-3	SDDRMO-4	SDDRMO-5	SDDRMO-8
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4000	DRMO-4001	DRMO-4002	DRMO-4003	DRMO-4004	DRMO-4005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	11	0.22 UJ	1 UJ	1.1 UJ	0.95 UJ	0.51 UJ	0.4 UJ
4,4'-DDE	UG/KG	0	0%	0	11	0.22 UJ	1 UJ	1.1 UJ	0.95 UJ	0.51 UJ	0.4 UJ
4,4'-DDT	UG/KG	0	0%	0	11	0.22 UJ	1 UJ	1.1 UJ	0.95 UJ	0.51 UJ	0.4 UJ
Aldrin	UG/KG	0	0%	0	11	0.11 U	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Alpha-BHC	UG/KG	0	0%	0	11	1.3 UJ	6 UJ	6.3 UJ	5.7 UJ	3.1 UJ	2.4 UJ
Alpha-Chlordane	UG/KG	0	0%	0	11	0.33 UJ	1.5 UJ	1.6 UJ	1.4 UJ	0.77 UJ	0.6 UJ
Beta-BHC	UG/KG	0	0%	0	11	0.11 U	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Chlordane	UG/KG	0	0%	0	11	2.1 U	9.5 UJ	10 UJ	9 UJ	4.9 UJ	3.8 UJ
Delta-BHC	UG/KG	0	0%	0	11	0.22 UJ	1 UJ	1.1 UJ	0.95 UJ	0.51 UJ	0.4 UJ
Dieldrin	UG/KG	0	0%	0	11	0.11 UJ	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Endosulfan I	UG/KG	0	0%	0	11	0.55 UJ	2.5 UJ	2.6 UJ	2.4 UJ	1.3 UJ	1 UJ
Endosulfan II	UG/KG	0	0%	0	11	0.33 U	1.5 UJ	1.6 UJ	1.4 UJ	0.77 UJ	0.6 UJ
Endosulfan sulfate	UG/KG	0	0%	0	11	0.66 UJ	3 UJ	3.2 UJ	2.9 UJ	1.5 UJ	1.2 UJ
Endrin	UG/KG	0	0%	0	11	0.88 U	4 UJ	4.2 UJ	3.8 UJ	2.1 UJ	1.6 UJ
Endrin aldehyde	UG/KG	0	0%	0	11	0.88 UJ	4 UJ	4.2 UJ	3.8 UJ	2.1 UJ	1.6 UJ
Endrin ketone	UG/KG	0	0%	0	11	0.11 UJ	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Gamma-BHC/Lindane	UG/KG	0	0%	0	11	0.11 UJ	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Gamma-Chlordane	UG/KG	0	0%	0	11	0.33 UJ	1.5 UJ	1.6 UJ	1.4 UJ	0.77 UJ	0.6 UJ
Heptachlor	UG/KG	0	0%	0	11	1.1 U	5 UJ	5.3 UJ	4.8 UJ	2.6 UJ	2 UJ
Heptachlor epoxide	UG/KG	0	0%	0	11	0.33 U	1.5 UJ	1.6 UJ	1.4 UJ	0.77 UJ	0.6 UJ
Methoxychlor	UG/KG	0	0%	0	11	0.11 U	0.5 UJ	0.53 UJ	0.48 UJ	0.26 UJ	0.2 UJ
Toxaphene	UG/KG	0	0%	0	11	3.5 U	16 UJ	17 UJ	15 UJ	8.2 UJ	6.4 UJ
Aroclor-1016	UG/KG	0	0%	0	11	5.7 U	26 UJ	27 UJ	24 UJ	13 UJ	10 UJ
Aroclor-1221	UG/KG	0	0%	0	11	1.4 U	6.4 UJ	6.8 UJ	6.1 UJ	3.3 UJ	2.6 UJ
Aroclor-1232	UG/KG	0	0%	0	11	8.7 U	39 UJ	42 UJ	38 UJ	20 UJ	16 UJ
Aroclor-1242	UG/KG	0	0%	0	11	2.4 U	11 UJ	11 UJ	10 UJ	5.6 UJ	4.3 UJ
Aroclor-1248	UG/KG	0	0%	0	11	6 U	27 UJ	29 UJ	26 UJ	14 UJ	11 UJ
Aroclor-1254	UG/KG	0	0%	0	11	12 U	52 UJ	55 UJ	50 UJ	27 UJ	21 UJ
Aroclor-1260	UG/KG	0	0%	0	11	2.2 UJ	9.9 UJ	10 UJ	9.4 UJ	5.1 UJ	3.9 UJ
Metals											
Aluminum	MG/KG	21500	100%	11	11	2850	5600 J	5100 J	9540 J	9770 J	10100
Antimony	MG/KG	4.9	45%	5	11	0.97 J	4.5 J	4.7 J	4.3 UJ	2.5 J	1.8 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-1	SDDRMO-2	SDDRMO-3	SDDRMO-4	SDDRMO-5	SDDRMO-8
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4000	DRMO-4001	DRMO-4002	DRMO-4003	DRMO-4004	DRMO-4005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Arsenic	MG/KG	6.1	100%	11	11	1.1	6.1 J	1.2 J	2.2 J	5.1 J	2.1
Barium	MG/KG	291	100%	11	11	36.6 J	111 J	41.9 J	131 J	96.3 J	72.2 J
Beryllium	MG/KG	1	82%	9	11	0.2	0.64 UJ	0.68 UJ	0.67 J	0.6 J	0.63
Cadmium	MG/KG	14.3	45%	5	11	0.13 U	1.5 J	3.4 J	2.1 J	5.8 J	0.24 U
Calcium	MG/KG	161000	100%	11	11	28900	133000 J	45400 J	61200 J	56000 J	24000
Chromium	MG/KG	32.7	100%	11	11	7.3	29.8 J	15.9 J	29.3 J	26.5 J	22.6
Cobalt	MG/KG	20.2	100%	11	11	3	10.2 J	7.2 J	10.2 J	14.7 J	11.4
Copper	MG/KG	1190	100%	11	11	19.1	117 J	77.4 J	96.8 J	133 J	34
Cyanide, Amenable	MG/KG	2.36	9%	1	11	0.55 U	2.49 UJ	2.63 UJ	2.36 J	1.29 UJ	1.1 U
Cyanide, Total	MG/KG	2.36	9%	1	11	0.552 U	2.49 UJ	2.63 UJ	2.36 J	1.29 UJ	1.1 U
Iron	MG/KG	34100	100%	11	11	5650	18400 J	13800 J	20400 J	23300 J	20500
Lead	MG/KG	436	100%	11	11	34.3	200 J	148 J	197 J	196 J	58.3
Magnesium	MG/KG	17600	100%	11	11	3340	13100 J	5780 J	7480 J	6810 J	5150
Manganese	MG/KG	918	100%	11	11	126	754 J	271 J	616 J	918 J	471
Mercury	MG/KG	0.3	100%	11	11	0.09	0.3 J	0.14 J	0.2 J	0.09 J	0.11
Nickel	MG/KG	45.3	100%	11	11	8.2	32.5 J	22.8 J	29.3 J	42.7 J	30.9
Potassium	MG/KG	1410	100%	11	11	368	880 J	1070 J	1370 J	1410 J	905
Selenium	MG/KG	2.5	36%	4	11	0.73	2.1 UJ	2.3 J	2.5 J	1.6 J	0.82 U
Silver	MG/KG	2.6	55%	6	11	0.93	1.3 UJ	1.4 UJ	2.1 J	2.6 J	0.65
Sodium	MG/KG	1120	100%	11	11	258	1090 J	985 J	1120 J	465 J	388
Thallium	MG/KG	0	0%	0	11	0.33 U	1.5 UJ	1.6 UJ	1.5 UJ	0.77 UJ	0.61 U
Vanadium	MG/KG	29.1	100%	11	11	8.6	29.1 J	16.1 J	23.6 J	20.9 J	17.8
Zinc	MG/KG	566	100%	11	11	57.9 J	540	314	390	566	135 J
Others											
Total Organic Carbon	MG/KG	9100	100%	11	11	4600	6400 J	7500 J	6300 J	6200 J	7100 J
Total Petroleum Hydrocarbons	MG/KG	2600	18%	2	11	1000	2600 J	211 UJ	190 UJ	100 UJ	80 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-6	SDDRMO-7	SDDRMO-8	SDDRMO-9	SDDRMO-10
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4006	DRMO-4007	DRMO-4008	DRMO-4009	DRMO-4010
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics										
1,1,1-Trichloroethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	11	3.7 UJ	2.9 UJ	11 UJ	4.6 UJ	7.1 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	11	3.7 UJ	2.9 UJ	11 UJ	4.6 UJ	7.1 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Acetone	UG/KG	150	73%	8	11	3.7 U	2.9 U	72 J	25 J	33 J
Benzene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Bromodichloromethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Bromoform	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Carbon disulfide	UG/KG	12	18%	2	11	12 J	2.9 UJ	6.7 J	4.6 UJ	7.1 UJ
Carbon tetrachloride	UG/KG	0	0%	0	11	3.7 UJ	2.9 UJ	11 UJ	4.6 UJ	7.1 UJ
Chlorobenzene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Chlorodibromomethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Chloroethane	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Chloroform	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Ethyl benzene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Meta/Para Xylene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Methyl bromide	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Methyl butyl ketone	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Methyl chloride	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Methyl ethyl ketone	UG/KG	130	27%	3	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.2 J
Methyl isobutyl ketone	UG/KG	0	0%	0	11	3.7 UJ	2.9 UJ	11 UJ	4.6 UJ	7.1 UJ
Methylene chloride	UG/KG	0	0%	0	11	3.7 UJ	2.9 UJ	11 UJ	4.6 UJ	7.1 UJ
Ortho Xylene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Styrene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Tetrachloroethene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Toluene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-6	SDDRMO-7	SDDRMO-8	SDDRMO-9	SDDRMO-10
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4006	DRMO-4007	DRMO-4008	DRMO-4009	DRMO-4010
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Trichloroethene	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Vinyl chloride	UG/KG	0	0%	0	11	3.7 U	2.9 U	11 UJ	4.6 UJ	7.1 UJ
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
1,2-Dichlorobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
1,3-Dichlorobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
1,4-Dichlorobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2,4,5-Trichlorophenol	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
2,4,6-Trichlorophenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2,4-Dichlorophenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2,4-Dimethylphenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2,4-Dinitrophenol	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2,6-Dinitrotoluene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2-Chloronaphthalene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2-Chlorophenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2-Methylnaphthalene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2-Methylphenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
2-Nitroaniline	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
2-Nitrophenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
3 or 4-Methylphenol	UG/KG	790	9%	1	11	460 U	430 U	1100 UJ	550 U	910 UJ
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
3-Nitroaniline	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
4-Chloro-3-methylphenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
4-Chloroaniline	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	11	460 UJ	430 UJ	1100 UJ	550 U	910 UJ
4-Nitroaniline	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
4-Nitrophenol	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
Acenaphthene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Acenaphthylene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-6	SDDRMO-7	SDDRMO-8	SDDRMO-9	SDDRMO-10
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4006	DRMO-4007	DRMO-4008	DRMO-4009	DRMO-4010
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Anthracene	UG/KG	250	18%	2	11	460 U	430 U	1100 UJ	100 J	910 UJ
Benzo(a)anthracene	UG/KG	1100	18%	2	11	460 U	430 U	1100 UJ	230 J	910 UJ
Benzo(a)pyrene	UG/KG	900	18%	2	11	460 U	430 U	1100 UJ	170 J	910 UJ
Benzo(b)fluoranthene	UG/KG	1100	18%	2	11	460 UJ	430 UJ	1100 UJ	180 J	910 UJ
Benzo(ghi)perylene	UG/KG	290	9%	1	11	460 U	430 U	1100 UJ	550 U	910 UJ
Benzo(k)fluoranthene	UG/KG	580	9%	1	11	460 U	430 U	1100 UJ	550 U	910 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Bis(2-Ethylhexyl)phthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Butylbenzylphthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Carbazole	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Chrysene	UG/KG	1200	18%	2	11	460 U	430 U	1100 UJ	240 J	910 UJ
Di-n-butylphthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Di-n-octylphthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Dibenz(a,h)anthracene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Dibenzofuran	UG/KG	0	0%	0	11	460 UJ	430 UJ	1100 UJ	550 U	910 UJ
Diethyl phthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Dimethylphthalate	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Fluoranthene	UG/KG	2100	18%	2	11	460 U	430 U	1100 UJ	520 J	910 UJ
Fluorene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Hexachlorobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Hexachlorobutadiene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Hexachlorocyclopentadiene	UG/KG	0	0%	0	11	460 UJ	430 UJ	1100 UJ	550 U	910 UJ
Hexachloroethane	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Indeno(1,2,3-cd)pyrene	UG/KG	270	9%	1	11	460 U	430 U	1100 UJ	550 U	910 UJ
Isophorone	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
N-Nitrosodiphenylamine	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
N-Nitrosodipropylamine	UG/KG	0	0%	0	11	460 UJ	430 UJ	1100 UJ	550 U	910 UJ
Naphthalene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Nitrobenzene	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Pentachlorophenol	UG/KG	0	0%	0	11	1200 U	1100 U	2600 UJ	1400 U	2300 UJ
Phenanthrene	UG/KG	1100	18%	2	11	460 U	430 U	1100 UJ	410 J	910 UJ
Phenol	UG/KG	0	0%	0	11	460 U	430 U	1100 UJ	550 U	910 UJ
Pyrene	UG/KG	2100	18%	2	11	460 U	430 U	1100 UJ	440 J	910 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-6	SDDRMO-7	SDDRMO-8	SDDRMO-9	SDDRMO-10
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4006	DRMO-4007	DRMO-4008	DRMO-4009	DRMO-4010
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Pesticides/PCBs										
4,4'-DDD	UG/KG	0	0%	0	11	0.29 UJ	0.26 UJ	0.65 UJ	0.34 UJ	0.56 UJ
4,4'-DDE	UG/KG	0	0%	0	11	0.29 U	0.26 U	0.65 UJ	0.34 U	0.56 UJ
4,4'-DDT	UG/KG	0	0%	0	11	0.29 UJ	0.26 UJ	0.65 UJ	0.34 UJ	0.56 UJ
Aldrin	UG/KG	0	0%	0	11	0.14 UJ	0.13 UJ	0.32 UJ	0.17 UJ	0.28 UJ
Alpha-BHC	UG/KG	0	0%	0	11	1.7 UJ	1.6 UJ	3.9 UJ	2 UJ	3.3 UJ
Alpha-Chlordane	UG/KG	0	0%	0	11	0.43 UJ	0.39 UJ	0.97 UJ	0.51 UJ	0.83 UJ
Beta-BHC	UG/KG	0	0%	0	11	0.14 U	0.13 U	0.32 UJ	0.17 U	0.28 UJ
Chlordane	UG/KG	0	0%	0	11	2.7 U	2.5 U	6.1 UJ	3.2 U	5.3 UJ
Delta-BHC	UG/KG	0	0%	0	11	0.29 UJ	0.26 UJ	0.65 UJ	0.34 UJ	0.56 UJ
Dieldrin	UG/KG	0	0%	0	11	0.14 UJ	0.13 UJ	0.32 UJ	0.17 UJ	0.28 UJ
Endosulfan I	UG/KG	0	0%	0	11	0.71 UJ	0.66 UJ	1.6 UJ	0.85 UJ	1.4 UJ
Endosulfan II	UG/KG	0	0%	0	11	0.43 UJ	0.39 UJ	0.97 UJ	0.51 UJ	0.83 UJ
Endosulfan sulfate	UG/KG	0	0%	0	11	0.86 UJ	0.79 UJ	1.9 UJ	1 UJ	1.7 UJ
Endrin	UG/KG	0	0%	0	11	1.1 UJ	1.1 UJ	2.6 UJ	1.4 UJ	2.2 UJ
Endrin aldehyde	UG/KG	0	0%	0	11	1.1 UJ	1.1 UJ	2.6 UJ	1.4 UJ	2.2 UJ
Endrin ketone	UG/KG	0	0%	0	11	0.14 UJ	0.13 UJ	0.32 UJ	0.17 UJ	0.28 UJ
Gamma-BHC/Lindane	UG/KG	0	0%	0	11	0.14 UJ	0.13 UJ	0.32 UJ	0.17 UJ	0.28 UJ
Gamma-Chlordane	UG/KG	0	0%	0	11	0.43 UJ	0.39 UJ	0.97 UJ	0.51 UJ	0.83 UJ
Heptachlor	UG/KG	0	0%	0	11	1.4 UJ	1.3 UJ	3.2 UJ	1.7 UJ	2.8 UJ
Heptachlor epoxide	UG/KG	0	0%	0	11	0.43 U	0.39 U	0.97 UJ	0.51 U	0.83 UJ
Methoxychlor	UG/KG	0	0%	0	11	0.14 U	0.13 U	0.32 UJ	0.17 U	0.28 UJ
Toxaphene	UG/KG	0	0%	0	11	4.6 U	4.2 U	10 UJ	5.4 U	8.9 UJ
Aroclor-1016	UG/KG	0	0%	0	11	7.4 U	6.7 U	17 UJ	8.7 U	14 R
Aroclor-1221	UG/KG	0	0%	0	11	1.8 U	1.7 U	4.2 UJ	2.2 U	3.6 R
Aroclor-1232	UG/KG	0	0%	0	11	11 U	10 U	26 UJ	13 U	22 R
Aroclor-1242	UG/KG	0	0%	0	11	3.1 U	2.8 U	7 UJ	3.7 U	6.1 R
Aroclor-1248	UG/KG	0	0%	0	11	7.8 U	7.1 U	18 UJ	9.2 U	15 R
Aroclor-1254	UG/KG	0	0%	0	11	15 U	14 U	34 UJ	18 U	29 R
Aroclor-1260	UG/KG	0	0%	0	11	2.8 UJ	2.6 UJ	6.4 UJ	3.4 U	5.5 R
Metals										
Aluminum	MG/KG	21500	100%	11	11	9670	7620	14700 J	21500	9680 J
Antimony	MG/KG	4.9	45%	5	11	1.3 UJ	1.2 UJ	2.9 UJ	4.9 J	2.5 UJ

Table C-5
DITCH SOIL SAMPLE RESULTS
SEAD-121C

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C	SEAD-121C
Location ID						SDDRMO-6	SDDRMO-7	SDDRMO-8	SDDRMO-9	SDDRMO-10
Matrix						DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL	DITCH SOIL
Sample ID						DRMO-4006	DRMO-4007	DRMO-4008	DRMO-4009	DRMO-4010
Sample Depth to Top of Sample						0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2
Sample Date						11/5/02	11/5/02	11/5/02	11/5/02	11/5/02
QC Code						SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Arsenic	MG/KG	6.1	100%	11	11	3.3	3.6	5.9 J	4.3	2.2 J
Barium	MG/KG	291	100%	11	11	47.1 J	50.9 J	122 J	291	120 J
Beryllium	MG/KG	1	82%	9	11	0.6	0.52	1 J	0.33	0.69 J
Cadmium	MG/KG	14.3	45%	5	11	0.17 U	0.16 U	0.39 UJ	14.3	0.33 UJ
Calcium	MG/KG	161000	100%	11	11	13200	16300	34500 J	161000	21600 J
Chromium	MG/KG	32.7	100%	11	11	17.1	14	32.7 J	18.3	27.9 J
Cobalt	MG/KG	20.2	100%	11	11	10.6	11.5	20.2 J	8.5	10 J
Copper	MG/KG	1190	100%	11	11	16.2	18.8	50.6 J	1190	55.1 J
Cyanide, Amenable	MG/KG	2.36	9%	1	11	0.71 U	0.66 U	1.59 UJ	0.84 U	1.4 UJ
Cyanide, Total	MG/KG	2.36	9%	1	11	0.713 U	0.662 U	1.59 UJ	0.84 U	1.4 UJ
Iron	MG/KG	34100	100%	11	11	21200	20500	34100 J	15400	17100 J
Lead	MG/KG	436	100%	11	11	14	13.3	85.2 J	436	132 J
Magnesium	MG/KG	17600	100%	11	11	4480	3540	7310 J	17600	7810 J
Manganese	MG/KG	918	100%	11	11	610	577	885 J	504	510 J
Mercury	MG/KG	0.3	100%	11	11	0.04	0.09	0.18 J	0.26	0.12 J
Nickel	MG/KG	45.3	100%	11	11	29.5	24	45.3 J	32.1	29 J
Potassium	MG/KG	1410	100%	11	11	810	558	1270 J	1020	1070 J
Selenium	MG/KG	2.5	36%	4	11	0.59 U	0.55 U	1.4 UJ	0.69 U	1.2 UJ
Silver	MG/KG	2.6	55%	6	11	0.38 U	0.35 U	1 J	1.8	0.75 UJ
Sodium	MG/KG	1120	100%	11	11	297	167	656 J	398	595 J
Thallium	MG/KG	0	0%	0	11	0.43 U	0.4 U	1 UJ	0.51 U	0.86 UJ
Vanadium	MG/KG	29.1	100%	11	11	15.6	13.9	27.3 J	10.8	19.1 J
Zinc	MG/KG	566	100%	11	11	62.8 J	51.4 J	195 J	528	236 J
Others										
Total Organic Carbon	MG/KG	9100	100%	11	11	4900	4200	7100 J	8300	9100 J
Total Petroleum Hydrocarbons	MG/KG	2600	18%	2	11	57 U	53 U	130 UJ	68 U	110 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Acetone	UG/KG	150	74%	34	46	11 UJ	110 U	33 UJ	7.3 UJ	7.6 UJ	17 UJ
Benzene	UG/KG	57	24%	11	46	2.9 UJ	6.6 J	10 J	2.9 UJ	3.1 UJ	3.2 UJ
Bromodichloromethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Bromoform	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Carbon disulfide	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Carbon tetrachloride	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Chlorobenzene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Chlorodibromomethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Chloroethane	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Chloroform	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Ethyl benzene	UG/KG	9.5	17%	8	46	2.9 UJ	2 J	3.5 J	2.9 UJ	3.1 UJ	3.2 UJ
Meta/Para Xylene	UG/KG	8.7	17%	8	46	2.9 UJ	2.2 J	3.4 J	2.9 UJ	3.1 UJ	3.2 UJ
Methyl bromide	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Methyl chloride	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Methyl ethyl ketone	UG/KG	78	26%	12	46	2.9 UJ	55	27 J	2.9 UJ	3.1 UJ	3.2 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 U	2.9 UJ	3.1 UJ	3.2 UJ
Methylene chloride	UG/KG	2.8	20%	9	46	1.8 J	3.1 U	2.7 J	1.6 J	2.8 J	2.4 J
Ortho Xylene	UG/KG	5.1	17%	8	46	2.9 UJ	1.1 J	2 J	2.9 UJ	3.1 UJ	3.2 UJ
Styrene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Toluene	UG/KG	43	22%	10	46	2.9 UJ	6.9	11 J	2.9 UJ	3.1 UJ	3.2 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Trichloroethene	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Vinyl chloride	UG/KG	0	0%	0	46	2.9 UJ	3.1 U	2.8 UJ	2.9 UJ	3.1 UJ	3.2 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2-Chlorophenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	390 U	390 U	390 U	360 U	380 U	390 U
2-Methylphenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
2-Nitroaniline	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
2-Nitrophenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46	390 U	390 U	390 U	360 U	380 U	390 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	390 U	390 J	390 U	360 U	380 U	390 U
3-Nitroaniline	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	970 U	970 U	980 UJ	900 UJ	950 U	990 UJ
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
4-Methylphenol	UG/KG	0	0%	0	6						
4-Nitroaniline	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
4-Nitrophenol	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
Acenaphthene	UG/KG	6100	52%	27	52	390 U	390 U	390 U	360 U	380 U	390 U
Acenaphthylene	UG/KG	560	12%	6	52	390 U	390 U	390 U	360 U	380 U	390 U
Anthracene	UG/KG	12000	60%	31	52	390 U	89 J	74 J	360 U	380 U	390 U
Benzo(a)anthracene	UG/KG	28000	94%	48	51	67 J	350 J	350 J	100 J	380 U	43 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	97 J	390 J	450 J	150 J	380 UJ	390 U
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	140 J	600 J	620 J	160 J	380 UJ	66 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	390 U	220 J	140 J	73 J	380 UJ	390 U
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	390 UJ	300 J	360 J	100 J	380 UJ	390 UJ
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 UJ	390 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	58 J	78 J	390 U	38 J	380 U	390 U
Butylbenzylphthalate	UG/KG	420	8%	4	52	130 J	390 UJ	390 U	360 U	380 U	390 U
Carbazole	UG/KG	6800	60%	31	52	390 U	56 J	67 J	360 U	380 U	390 U
Chrysene	UG/KG	32000	90%	47	52	89 J	380 J	400	100 J	380 U	390 U
Di-n-butylphthalate	UG/KG	45	2%	1	52	390 U	390 U	390 U	360 U	380 U	390 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	390 U	390 UJ	390 U	360 U	380 U	390 U
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	390 U	390 UJ	390 U	360 U	380 UJ	390 U
Dibenzofuran	UG/KG	2000	29%	15	52	390 U	390 U	390 U	360 U	380 U	390 U
Diethyl phthalate	UG/KG	230	2%	1	52	390 U	390 U	390 U	360 U	380 U	390 U
Dimethylphthalate	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Fluoranthene	UG/KG	62000	96%	50	52	170 J	720	920	210 J	380 U	120 J
Fluorene	UG/KG	4200	44%	23	52	390 U	390 U	390 U	360 U	380 U	390 U
Hexachlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	390 UJ	390 UJ	390 UJ	360 U	380 U	390 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Hexachloroethane	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	390 UJ	63 J	79 J	360 UJ	380 U	390 UJ
Isophorone	UG/KG	420	2%	1	52	390 UJ	390 UJ	390 UJ	360 UJ	380 UJ	390 UJ
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	390 U	390 U	390 U	360 U	380 U	390 U
Naphthalene	UG/KG	630	13%	7	52	390 U	390 U	390 U	360 U	380 U	390 U
Nitrobenzene	UG/KG	420	2%	1	52	390 UJ	390 UJ	390 UJ	360 UJ	380 UJ	390 UJ
Pentachlorophenol	UG/KG	0	0%	0	52	970 U	970 U	980 U	900 U	950 U	990 U
Phenanthrene	UG/KG	52000	96%	50	52	69 J	450	440	110 J	380 U	53 J
Phenol	UG/KG	420	2%	1	52	390 U	390 U	390 U	360 U	380 UJ	390 U
Pyrene	UG/KG	64000	96%	50	52	120 J	1200 J	660	160 J	380 U	72 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46	2 UJ	2 UJ	2 UJ	1.8 UJ	1.9 UJ	2 UJ
4,4'-DDE	UG/KG	34	11%	5	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
4,4'-DDT	UG/KG	39	4%	2	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Aldrin	UG/KG	12	9%	4	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Alpha-BHC	UG/KG	0	0%	0	46	2 UJ	2 UJ	2 U	1.8 UJ	1.9 UJ	2 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Beta-BHC	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Chlordane	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Delta-BHC	UG/KG	0	0%	0	46	2 UJ	2 UJ	2 UJ	1.8 UJ	1.9 UJ	2 UJ
Dieldrin	UG/KG	34	4%	2	46	2 UJ	2 UJ	2 UJ	1.8 UJ	1.9 UJ	2 UJ
Endosulfan I	UG/KG	95	57%	26	46	2 U	11 J	6.9 J	1.8 U	1.9 U	2 U
Endosulfan II	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Endosulfan sulfate	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Endrin	UG/KG	30	4%	2	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Endrin aldehyde	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Endrin ketone	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Heptachlor	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Heptachlor epoxide	UG/KG	55	17%	8	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Methoxychlor	UG/KG	0	0%	0	46	2 U	2 U	2 U	1.8 U	1.9 U	2 U
Toxaphene	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1016	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1221	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1232	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1242	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1248	UG/KG	0	0%	0	46	20 U	20 U	20 U	18 U	19 U	20 U
Aroclor-1254	UG/KG	67	4%	2	46	20 UJ	20 UJ	20 UJ	18 UJ	19 UJ	20 UJ
Aroclor-1260	UG/KG	46	7%	3	46	20 UJ	20 UJ	20 UJ	18 UJ	19 UJ	20 UJ
Metals											
Aluminum	MG/KG	13200	100%	46	46	4400	9700	9020	5510	13000	13200
Antimony	MG/KG	8.6	35%	16	46	3.8 J	1.8	8.6	1.7	1 U	1.1 U
Arsenic	MG/KG	104	74%	34	46	4.5 J	21.2 J	43 J	5.4 J	7.3 J	11.5 J
Barium	MG/KG	207	100%	46	46	105 J	74.3 J	83.6 J	67.3 J	102 J	91.3 J
Beryllium	MG/KG	0.68	96%	44	46	0.27	0.49	0.46	0.31	0.67	0.68
Cadmium	MG/KG	6.6	35%	16	46	0.53	0.14 U	0.14 U	6.6	0.14 U	0.14 U
Calcium	MG/KG	298000	100%	46	46	171000	30900	27800	121000	10300	18800
Chromium	MG/KG	516	100%	46	46	11.2 J	25.9 J	50 J	14.1 J	22 J	22.6 J
Cobalt	MG/KG	237	100%	46	46	6.9 J	23.9 J	40.6 J	12.4 J	18 J	13.7 J
Copper	MG/KG	243	87%	40	46	21 R	37.5 R	66.1 R	20.6 R	24.4 R	27.6 R
Cyanide, Amenable	MG/KG	0	0%	0	46	0.59 U	0.59 U	0.6 U	0.55 U	0.58 U	0.6 U
Cyanide, Total	MG/KG	2.73	9%	4	46	0.592 U	0.592 U	0.595 U	0.552 U	0.575 U	0.602 U
Iron	MG/KG	69400	100%	46	46	11500	27100	31500	15400	30400	30200
Lead	MG/KG	122	100%	46	46	15.7	31.3	42.1	20.3	13.7	12.8
Magnesium	MG/KG	22300	100%	46	46	18800	6110	4240	12000	5240	5980
Manganese	MG/KG	349000	100%	46	46	474 J	33200 J	57800 J	534 J	1420 J	1010 J
Mercury	MG/KG	0.1	96%	44	46	0.07	0.04	0.05	0.03	0.05	0.05

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SB121I-1	SB121I-2	SB121I-2	SB121I-3	SB121I-4	SB121I-5
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1040	121I-1043	121I-1044	121I-1047	121I-1050	121I-1053
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						10/24/02	10/24/02	10/24/02	10/24/02	10/24/02	10/24/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46	53.6 J	38.9 J	46.3 J	26.7 J	37.4 J	33.3 J
Potassium	MG/KG	1450	100%	46	46	1080 J	859 J	929 J	950 J	1090 J	949 J
Selenium	MG/KG	160	52%	24	46	0.65 J	5.1 J	17.9 J	0.46 UJ	1.4 J	1.4 J
Silver	MG/KG	10.5	15%	7	46	0.31 UJ	1.9 J	4.2 J	0.29	0.3 UJ	0.32 UJ
Sodium	MG/KG	372	78%	36	46	372	118 U	115 U	207	113 U	118 U
Thallium	MG/KG	173	24%	11	46	0.36 U	3	14.4	0.34 U	0.35 U	0.5 J
Vanadium	MG/KG	217	100%	46	46	8.3 J	22.6 J	31.6 J	11.4 J	24.3 J	21 J
Zinc	MG/KG	532	100%	46	46	176 J	85.1 J	82 J	70.7 J	92.1 J	93.9 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46	5400	5600	6800	6500	7100	6700
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46	47 U	47 U	48 U	44 U	46 U	48 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
1,1-Dichloroethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
1,1-Dichloroethene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
1,2-Dichloroethane	UG/KG	0	0%	0	46		2.5 UJ	2.2 U	3.1 UJ	2.8 UJ	2.6 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Acetone	UG/KG	150	74%	34	46		4.5 J	2.2 U	15 J	12 J	30 J
Benzene	UG/KG	57	24%	11	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Bromodichloromethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Bromoform	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Carbon disulfide	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Carbon tetrachloride	UG/KG	0	0%	0	46		2.5 UJ	2.2 U	3.1 UJ	2.8 UJ	2.6 UJ
Chlorobenzene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Chlorodibromomethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Chloroethane	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Chloroform	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Ethyl benzene	UG/KG	9.5	17%	8	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Meta/Para Xylene	UG/KG	8.7	17%	8	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Methyl bromide	UG/KG	0	0%	0	46		2.5 UJ	2.2 U	3.1 UJ	2.8 UJ	2.6 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46		2.5 UJ	2.2 U	3.1 UJ	2.8 UJ	2.6 UJ
Methyl chloride	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Methyl ethyl ketone	UG/KG	78	26%	12	46		2.5 U	2.2 U	3.1 U	2.8 U	5
Methyl isobutyl ketone	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Methylene chloride	UG/KG	2.8	20%	9	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Ortho Xylene	UG/KG	5.1	17%	8	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Styrene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Toluene	UG/KG	43	22%	10	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Trichloroethene	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Vinyl chloride	UG/KG	0	0%	0	46		2.5 U	2.2 U	3.1 U	2.8 U	2.6 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	1100 U	910 U	910 U	930 U	920 U	4500 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	1100 UJ	910 UJ	910 UJ	930 U	920 UJ	4500 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2-Chlorophenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	470 U	360 U	360 U	370 U	370 U	1800 U
2-Methylphenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
2-Nitroaniline	UG/KG	0	0%	0	52	1100 U	910 U	910 UJ	930 UJ	920 U	4500 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46		360 U	360 U	370 U	370 U	1800 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	470 U	360 U	360 U	370 UJ	370 UJ	1800 U
3-Nitroaniline	UG/KG	0	0%	0	52	1100 U	910 U	910 U	930 U	920 U	4500 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	1100 UJ	910 UJ	910 UJ	930 U	920 UJ	4500 UJ
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	470 U	360 UJ	360 U	370 U	370 UJ	1800 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
4-Methylphenol	UG/KG	0	0%	0	6	470 U					
4-Nitroaniline	UG/KG	0	0%	0	52	1100 UJ	910 U	910 U	930 U	920 U	4500 U
4-Nitrophenol	UG/KG	0	0%	0	52	1100 U	910 U	910 U	930 U	920 U	4500 U
Acenaphthene	UG/KG	6100	52%	27	52	170 J	360 U	360 U	370 U	370 U	1800 U
Acenaphthylene	UG/KG	560	12%	6	52	470 U	360 U	360 U	370 U	370 U	1800 U
Anthracene	UG/KG	12000	60%	31	52	170 J	360 U	360 U	370 U	370 U	1800 U
Benzo(a)anthracene	UG/KG	28000	94%	48	51	1400	48 J	47 J	63 J	120 J	660 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	1300	66 J	60 J	75 J	180 J	1100 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	1500	53 J	51 J	100 J	160 J	920 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	820	67 J	63 J	70 J	160 J	840 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	1500	360 U	360 U	110 J	150 J	980 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	51 J	360 UJ	360 U	370 UJ	370 UJ	1800 U
Butylbenzylphthalate	UG/KG	420	8%	4	52	470 U	360 U	360 U	370 UJ	370 UJ	1800 U
Carbazole	UG/KG	6800	60%	31	52	230 J	360 U	360 U	370 U	370 U	1800 U
Chrysene	UG/KG	32000	90%	47	52	1700	62 J	63 J	100 J	210 J	800 J
Di-n-butylphthalate	UG/KG	45	2%	1	52	45 J	360 U	360 U	370 U	370 U	1800 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	470 UJ	360 U	360 U	370 UJ	370 UJ	1800 U
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	350 J	360 U	360 UJ	370 R	370 UJ	1800 UJ
Dibenzofuran	UG/KG	2000	29%	15	52	29 J	360 U	360 U	370 U	370 U	1800 U
Diethyl phthalate	UG/KG	230	2%	1	52	470 U	360 U	360 U	370 U	370 U	1800 U
Dimethylphthalate	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Fluoranthene	UG/KG	62000	96%	50	52	3200	100 J	78 J	130 J	220 J	1200 J
Fluorene	UG/KG	4200	44%	23	52	83 J	360 U	360 U	370 U	370 U	1800 U
Hexachlorobenzene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Hexachloroethane	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	760	83 J	74 J	370 UJ	250 J	440 J
Isophorone	UG/KG	420	2%	1	52	470 U	360 U	360 U	370 U	370 U	1800 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	470 U	360 U	360 U	370 U	370 U	1800 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	470 U	360 U	360 UJ	370 UJ	370 U	1800 UJ
Naphthalene	UG/KG	630	13%	7	52	470 U	360 U	360 U	370 U	370 U	1800 U
Nitrobenzene	UG/KG	420	2%	1	52	470 U	360 U	360 U	370 U	370 U	1800 U
Pentachlorophenol	UG/KG	0	0%	0	52	1100 U	910 U	910 U	930 U	920 U	4500 U
Phenanthrene	UG/KG	52000	96%	50	52	1200	60 J	56 J	70 J	170 J	760 J
Phenol	UG/KG	420	2%	1	52	470 U	360 U	360 U	370 U	370 U	1800 U
Pyrene	UG/KG	64000	96%	50	52	2700	79 J	98 J	160 J	270 J	1500 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
4,4'-DDE	UG/KG	34	11%	5	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
4,4'-DDT	UG/KG	39	4%	2	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Aldrin	UG/KG	12	9%	4	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Alpha-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Beta-BHC	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Chlordane	UG/KG	0	0%	0	46		19 U	18 U	19 U	19 U	18 U
Delta-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Dieldrin	UG/KG	34	4%	2	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Endosulfan I	UG/KG	95	57%	26	46		3.7 J	4.2 J	4.9	5.4	12
Endosulfan II	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Endrin	UG/KG	30	4%	2	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ
Endrin aldehyde	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Endrin ketone	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.8 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Heptachlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Heptachlor epoxide	UG/KG	55	17%	8	46		1.9 U	1.8 U	1.9 U	1.9 U	6.1
Methoxychlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.9 U	1.8 U
Toxaphene	UG/KG	0	0%	0	46		19 U	18 U	19 U	19 U	18 U
Aroclor-1016	UG/KG	0	0%	0	46		19 UJ	19 UJ	19 U	19 UJ	18 UJ
Aroclor-1221	UG/KG	0	0%	0	46		19 U	19 U	19 U	19 U	18 U
Aroclor-1232	UG/KG	0	0%	0	46		19 UJ	19 UJ	19 U	19 UJ	18 UJ
Aroclor-1242	UG/KG	0	0%	0	46		19 UJ	19 UJ	19 U	19 UJ	18 UJ
Aroclor-1248	UG/KG	0	0%	0	46		19 U	19 U	19 U	19 U	18 U
Aroclor-1254	UG/KG	67	4%	2	46		19 U	19 U	19 UJ	19 U	18 U
Aroclor-1260	UG/KG	46	7%	3	46		19 U	19 U	19 UJ	19 U	8.3 J
Metals											
Aluminum	MG/KG	13200	100%	46	46		6480	7510	4290	5050	3380
Antimony	MG/KG	8.6	35%	16	46		3.4	2.5	1.3	1.8	6.5 U
Arsenic	MG/KG	104	74%	34	46		5.2	5.2	5.9	5.6	6.4
Barium	MG/KG	207	100%	46	46		116	119	142	81.8	167
Beryllium	MG/KG	0.68	96%	44	46		0.38 J	0.43 J	0.36 J	0.32	0.27
Cadmium	MG/KG	6.6	35%	16	46		5	4.1	0.55 U	0.17 J	0.54 U
Calcium	MG/KG	298000	100%	46	46		166000	143000	223000	205000	220000
Chromium	MG/KG	516	100%	46	46		14.3	14.7	8.7	12.3	15.8
Cobalt	MG/KG	237	100%	46	46		8.4	8.9	6.8	7.4	7.9
Copper	MG/KG	243	87%	40	46		24.5 J	22.6 J	18.9 J	19.4 J	21.4 J
Cyanide, Amenable	MG/KG	0	0%	0	46		0.56 UJ	0.55 UJ	0.56 UJ	0.56 UJ	0.55 UJ
Cyanide, Total	MG/KG	2.73	9%	4	46		0.556 UJ	0.551 UJ	0.56 UJ	0.559 UJ	0.546 UJ
Iron	MG/KG	69400	100%	46	46		17100	17600	12600	13900	12500
Lead	MG/KG	122	100%	46	46		19	16.3	22.5	21.9	22.3
Magnesium	MG/KG	22300	100%	46	46		13500	9040	5410	16200	16300
Manganese	MG/KG	349000	100%	46	46		786	822	1120	709	2650 J
Mercury	MG/KG	0.1	96%	44	46		0.03	0.03	0.02	0.02	0.02

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-1	SS121I-10	SS121I-10	SS121I-11	SS121I-12	SS121I-13
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB147	121I-1006	121I-1031	121I-1007	121I-1008	121I-1009
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46		26.7	26.9	18.1	21.1	23
Potassium	MG/KG	1450	100%	46	46		786	1150	819	956	908
Selenium	MG/KG	160	52%	24	46		0.87	0.8	0.55 U	1.1	0.54 U
Silver	MG/KG	10.5	15%	7	46		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	MG/KG	372	78%	36	46		210	188	263	238	309
Thallium	MG/KG	173	24%	11	46		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vanadium	MG/KG	217	100%	46	46		11.6	13.2	10.7	9.9	10.8
Zinc	MG/KG	532	100%	46	46		84 J	67.9 J	55.5 J	57.7 J	88.1 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46		5600	4500	5400	4400	3700
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46		44 UJ	44 UJ	45 UJ	45 UJ	1200 J

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 UJ	2.9 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
1,1-Dichloroethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
1,1-Dichloroethene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
1,2-Dichloroethane	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 UJ	2.9 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Acetone	UG/KG	150	74%	34	46	37	110	18	9.2	3.7	7
Benzene	UG/KG	57	24%	11	46	3 U	29	2.6 U	3 U	2.7 U	2.9 U
Bromodichloromethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 UJ
Bromoform	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Carbon disulfide	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Carbon tetrachloride	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 UJ	2.9 UJ
Chlorobenzene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Chlorodibromomethane	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 UJ	2.9 UJ
Chloroethane	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 UJ	2.9 UJ
Chloroform	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Ethyl benzene	UG/KG	9.5	17%	8	46	3 U	7.8	2.6 U	3 U	2.7 U	2.9 U
Meta/Para Xylene	UG/KG	8.7	17%	8	46	3 U	5.9	2.6 U	3 U	2.7 U	2.9 U
Methyl bromide	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 UJ	2.9 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 UJ	2.9 UJ
Methyl chloride	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Methyl ethyl ketone	UG/KG	78	26%	12	46	14	70	2.6 U	3.6	2.7 U	2.9 U
Methyl isobutyl ketone	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Methylene chloride	UG/KG	2.8	20%	9	46	2.1 J	2.9 U	2.8	2.2 J	2.7 U	2.9 U
Ortho Xylene	UG/KG	5.1	17%	8	46	3 U	3.4	2.6 U	3 U	2.7 U	2.9 U
Styrene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46	3 UJ	2.9 UJ	2.6 UJ	3 UJ	2.7 U	2.9 U
Toluene	UG/KG	43	22%	10	46	3 U	25	2.6 U	3 U	2.7 U	2.9 U
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Trichloroethene	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Vinyl chloride	UG/KG	0	0%	0	46	3 U	2.9 U	2.6 U	3 U	2.7 U	2.9 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	980 U	970 U	890 U	950 U	900 U	920 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	980 U	970 U	890 UJ	950 UJ	900 U	920 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2-Chlorophenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	390 U	390 U	360 U	380 U	360 U	370 U
2-Methylphenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
2-Nitroaniline	UG/KG	0	0%	0	52	980 UJ	970 UJ	890 UJ	950 UJ	900 U	920 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46	390 U	390 U	360 U	380 U	360 U	370 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	390 UJ	390 UJ	360 U	380 U	360 UJ	370 UJ
3-Nitroaniline	UG/KG	0	0%	0	52	980 U	970 U	890 UJ	950 UJ	900 U	920 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	980 U	970 U	890 UJ	950 UJ	900 U	920 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 UJ	370 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
4-Methylphenol	UG/KG	0	0%	0	6						
4-Nitroaniline	UG/KG	0	0%	0	52	980 U	970 U	890 UJ	950 UJ	900 U	920 U
4-Nitrophenol	UG/KG	0	0%	0	52	980 U	970 U	890 U	950 U	900 U	920 U
Acenaphthene	UG/KG	6100	52%	27	52	53 J	57 J	360 U	380 U	54 J	90 J
Acenaphthylene	UG/KG	560	12%	6	52	390 U	390 U	360 U	380 U	360 U	370 U
Anthracene	UG/KG	12000	60%	31	52	79 J	110 J	360 U	380 U	94 J	150 J
Benzo(a)anthracene	UG/KG	28000	94%	48	51	270 J	180 J	58 J	110 J	470 J	600 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	290 J	190 J	74 J	120 J	610 J	620 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	280 J	140 J	74 J	110 J	580 J	660 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	290 J	160 J	360 UJ	56 J	300 J	490 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	280 J	220 J	360 U	140 J	760 J	540 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	390 UJ	390 UJ	360 UJ	380 UJ	360 UJ	370 UJ
Butylbenzylphthalate	UG/KG	420	8%	4	52	390 UJ	390 UJ	360 UJ	380 UJ	360 UJ	370 UJ
Carbazole	UG/KG	6800	60%	31	52	65 J	78 J	360 UJ	380 UJ	120 J	140 J
Chrysene	UG/KG	32000	90%	47	52	300 J	190 J	83 J	120 J	740 J	740 J
Di-n-butylphthalate	UG/KG	45	2%	1	52	390 U	390 U	360 U	380 U	360 U	370 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	390 UJ	390 UJ	360 U	380 U	360 UJ	370 UJ
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	390 U	390 UJ	360 U	380 U	360 R	370 UJ
Dibenzofuran	UG/KG	2000	29%	15	52	390 U	390 U	360 U	380 U	360 U	370 U
Diethyl phthalate	UG/KG	230	2%	1	52	390 U	390 U	360 U	380 U	360 U	370 U
Dimethylphthalate	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Fluoranthene	UG/KG	62000	96%	50	52	570	430	170 J	240 J	1100	1400
Fluorene	UG/KG	4200	44%	23	52	390 U	46 J	360 U	380 U	360 U	55 J
Hexachlorobenzene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Hexachloroethane	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	290 J	91 J	360 UJ	61 J	170 J	390 J
Isophorone	UG/KG	420	2%	1	52	390 U	390 U	360 U	380 U	360 U	370 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	390 U	390 U	360 U	380 U	360 U	370 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	390 UJ	390 UJ	360 UJ	380 UJ	360 UJ	370 UJ
Naphthalene	UG/KG	630	13%	7	52	390 U	390 U	360 U	380 U	360 U	370 U
Nitrobenzene	UG/KG	420	2%	1	52	390 U	390 U	360 U	380 U	360 U	370 U
Pentachlorophenol	UG/KG	0	0%	0	52	980 U	970 U	890 U	950 U	900 U	920 U
Phenanthrene	UG/KG	52000	96%	50	52	400	430	140 J	170 J	650	900
Phenol	UG/KG	420	2%	1	52	390 U	390 U	360 U	380 U	360 U	370 U
Pyrene	UG/KG	64000	96%	50	52	610 J	590 J	140 J	250 J	1600	2000 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.9 UJ
4,4'-DDE	UG/KG	34	11%	5	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
4,4'-DDT	UG/KG	39	4%	2	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 U	1.9 U
Aldrin	UG/KG	12	9%	4	46	2 U	2 U	1.8 U	1.9 U	1.9 UJ	1.9 UJ
Alpha-BHC	UG/KG	0	0%	0	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.9 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.9 UJ
Beta-BHC	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Chlordane	UG/KG	0	0%	0	46	20 U	20 U	18 U	19 U	19 U	19 U
Delta-BHC	UG/KG	0	0%	0	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.9 UJ
Dieldrin	UG/KG	34	4%	2	46	16 J	2 UJ	1.8 UJ	1.9 UJ	1.9 UJ	1.9 UJ
Endosulfan I	UG/KG	95	57%	26	46	7.4 J	2 U	1.8 U	1.9 U	18	13
Endosulfan II	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Endosulfan sulfate	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Endrin	UG/KG	30	4%	2	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Endrin aldehyde	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Endrin ketone	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 UJ	1.9 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Heptachlor	UG/KG	0	0%	0	46	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Heptachlor epoxide	UG/KG	55	17%	8	46	4.1 R	2 U	1.8 U	1.9 U	13	6.5
Methoxychlor	UG/KG	0	0%	0	46	2 UJ	2 UJ	1.8 UJ	1.9 UJ	1.9 U	1.9 U
Toxaphene	UG/KG	0	0%	0	46	20 U	20 U	18 U	19 U	19 U	19 U
Aroclor-1016	UG/KG	0	0%	0	46	20 UJ	20 UJ	18 UJ	19 UJ	18 U	19 U
Aroclor-1221	UG/KG	0	0%	0	46	20 UJ	20 UJ	18 UJ	19 UJ	18 U	19 U
Aroclor-1232	UG/KG	0	0%	0	46	20 UJ	20 UJ	18 UJ	19 UJ	18 U	19 U
Aroclor-1242	UG/KG	0	0%	0	46	20 UJ	20 UJ	18 UJ	19 UJ	18 U	19 U
Aroclor-1248	UG/KG	0	0%	0	46	20 UJ	20 UJ	18 UJ	19 UJ	18 U	19 U
Aroclor-1254	UG/KG	67	4%	2	46	20 UJ	20 UJ	18 UJ	19 UJ	18 UJ	19 UJ
Aroclor-1260	UG/KG	46	7%	3	46	46 J	20 UJ	18 UJ	19 UJ	18 UJ	19 UJ
Metals											
Aluminum	MG/KG	13200	100%	46	46	10700	10600	10900	10300	5810	7410
Antimony	MG/KG	8.6	35%	16	46	1.1 U	1.1 U	0.96 U	1 U	6.5 U	6.7 U
Arsenic	MG/KG	104	74%	34	46	8.4 R	67.4 R	6 R	10.4 R	4.5	5.9
Barium	MG/KG	207	100%	46	46	81.4 J	80 J	61.8 J	75 J	74.4	92
Beryllium	MG/KG	0.68	96%	44	46	0.61	0.51	0.55	0.54	0.35	0.46 J
Cadmium	MG/KG	6.6	35%	16	46	0.2	0.14 U	0.13 U	0.14 U	0.54 U	0.56 U
Calcium	MG/KG	298000	100%	46	46	7700 J	24700 J	5370 J	15800 J	143000	132000
Chromium	MG/KG	516	100%	46	46	39.7	24.1	19.6	17.9	10.7	11.9
Cobalt	MG/KG	237	100%	46	46	12.5 J	66.1 J	11.2 J	14.1 J	6.1	9.9
Copper	MG/KG	243	87%	40	46	25	108	17.6	32.2	12.8 J	14.3 J
Cyanide, Amenable	MG/KG	0	0%	0	46	0.59 U	0.59 U	0.54 U	0.58 U	0.55 UJ	0.56 UJ
Cyanide, Total	MG/KG	2.73	9%	4	46	0.595 U	0.585 U	0.543 U	0.578 U	1.1 J	0.565 UJ
Iron	MG/KG	69400	100%	46	46	26100	39800	24400	23900	14000	16900
Lead	MG/KG	122	100%	46	46	45.8 J	27.9 J	8.6 J	15.3 J	21.5	14.8
Magnesium	MG/KG	22300	100%	46	46	4980 J	5100 J	4630 J	6270 J	7180	5810
Manganese	MG/KG	349000	100%	46	46	2340	93100	442	6560	648	854
Mercury	MG/KG	0.1	96%	44	46	0.04	0.04	0.03	0.04	0.02	0.03

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-14	SS121I-15	SS121I-16	SS121I-17	SS121I-18	SS121I-19
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1010	121I-1011	121I-1012	121I-1013	121I-1014	121I-1015
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/23/02	10/23/02	10/23/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46	66.1 J	125 J	29.9 J	31.8 J	16.4	21
Potassium	MG/KG	1450	100%	46	46	1040 J	995	807	965	882	960
Selenium	MG/KG	160	52%	24	46	1.4 J	37.6 J	1.3 J	1.5 J	0.54 U	0.56 U
Silver	MG/KG	10.5	15%	7	46	0.32 R	6.4 R	0.29 R	0.38 R	1.1 U	1.1 U
Sodium	MG/KG	372	78%	36	46	145	143	106 U	122	209	154
Thallium	MG/KG	173	24%	11	46	0.37 UJ	37.8 J	0.33 UJ	0.35 UJ	1.1 U	1.1 U
Vanadium	MG/KG	217	100%	46	46	20.5 J	62 J	17.4 J	20.4 J	10.5	13.2
Zinc	MG/KG	532	100%	46	46	109 J	140	70.8 J	75.4 J	53.5 J	55.1 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46	4800	5000	6000	8100	3300	5700
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46	48 U	47 U	43 U	46 U	100 J	45 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
1,1-Dichloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
1,1-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
1,2-Dichloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 UJ	2.7 UJ	2.5 UJ	2.3 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Acetone	UG/KG	150	74%	34	46		15 J	10	4.4	3.8 UJ	2.2 J
Benzene	UG/KG	57	24%	11	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Bromodichloromethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Bromoform	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Carbon disulfide	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Carbon tetrachloride	UG/KG	0	0%	0	46		3 UJ	2.7 UJ	2.7 UJ	2.5 UJ	2.3 UJ
Chlorobenzene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Chlorodibromomethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Chloroethane	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 UJ	2.5 UJ	2.3 U
Chloroform	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Ethyl benzene	UG/KG	9.5	17%	8	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Meta/Para Xylene	UG/KG	8.7	17%	8	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Methyl bromide	UG/KG	0	0%	0	46		3 UJ	2.7 UJ	2.7 UJ	2.5 UJ	2.3 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46		3 UJ	2.7 UJ	2.7 UJ	2.5 UJ	2.3 UJ
Methyl chloride	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Methyl ethyl ketone	UG/KG	78	26%	12	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Methyl isobutyl ketone	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Methylene chloride	UG/KG	2.8	20%	9	46		3 UJ	2.7 U	2 J	2.5 UJ	2.3 U
Ortho Xylene	UG/KG	5.1	17%	8	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Styrene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 UJ	2.5 UJ	2.3 U
Toluene	UG/KG	43	22%	10	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Trichloroethene	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Vinyl chloride	UG/KG	0	0%	0	46		3 UJ	2.7 U	2.7 U	2.5 UJ	2.3 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 U	870 U	880 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 UJ	870 UJ	880 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2-Chlorophenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	7400 UJ	260 J	1800 U	360 U	58 J	350 U
2-Methylphenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
2-Nitroaniline	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 UJ	870 UJ	880 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46		1800 U	1800 U	360 U	340 U	350 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	7400 U	1800 UJ	8800 U	360 R	340 R	350 UJ
3-Nitroaniline	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 UJ	870 UJ	880 UJ
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	18000 UJ	4600 U	4400 U	910 UJ	870 UJ	880 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 UJ	340 UJ	350 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	7400 UJ	1800 UJ	1800 UJ	360 U	340 U	350 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
4-Methylphenol	UG/KG	0	0%	0	6	7400 UJ					
4-Nitroaniline	UG/KG	0	0%	0	52	18000 U	4600 U	4400 U	910 UJ	870 UJ	880 U
4-Nitrophenol	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 U	870 U	880 U
Acenaphthene	UG/KG	6100	52%	27	52	1900 J	6100	1400 J	230 J	1300	84 J
Acenaphthylene	UG/KG	560	12%	6	52	7400 U	1800 U	560 J	360 U	340 U	350 U
Anthracene	UG/KG	12000	60%	31	52	2600 J	12000	2200	400 J	2100 J	120 J
Benzo(a)anthracene	UG/KG	28000	94%	48	51	13000 J	28000 J	6100 J	1300 J	9000 J	910 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	13000 J	23000	5800 J	1400 J	5600 J	880 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	12000 J	29000	5700 J	1300 J	6300 J	970 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	8100 J	29000 J	5000 J	1500 J	8300 J	900 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	15000 J	21000 J	7100 J	1600 J	6100 J	650 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	7400 UJ	1800 UJ	8800 U	130 UJ	63 J	39 J
Butylbenzylphthalate	UG/KG	420	8%	4	52	7400 UJ	1800 UJ	8800 U	360 R	340 R	350 UJ
Carbazole	UG/KG	6800	60%	31	52	3100 J	6800	1900	310 J	830 J	89 J
Chrysene	UG/KG	32000	90%	47	52	16000 J	32000 J	8500 J	1700 J	14000 J	1200 J
Di-n-butylphthalate	UG/KG	45	2%	1	52	7400 UJ	1800 U	1800 U	360 UJ	340 UJ	350 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	7400 UJ	1800 UJ	8800 U	360 R	340 R	350 UJ
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	4600 J	2200 J	710 J	160 J	660 J	72 J
Dibenzofuran	UG/KG	2000	29%	15	52	440 J	2000	700 J	92 J	220 J	350 U
Diethyl phthalate	UG/KG	230	2%	1	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Dimethylphthalate	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Fluoranthene	UG/KG	62000	96%	50	52	35000 J	62000	13000	2600 J	27000 J	1500
Fluorene	UG/KG	4200	44%	23	52	1100 J	4200	1000 J	160 J	520	350 U
Hexachlorobenzene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 UJ	340 UJ	350 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Hexachloroethane	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	8000 J	8100 J	2300 J	520 J	2200 J	890 J
Isophorone	UG/KG	420	2%	1	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	7400 UJ	1800 U	1800 U	360 UJ	340 UJ	350 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	7400 UJ	1800 UJ	1800 UJ	360 UJ	340 UJ	350 UJ
Naphthalene	UG/KG	630	13%	7	52	7400 UJ	480 J	630 J	67 J	120 J	350 U
Nitrobenzene	UG/KG	420	2%	1	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Pentachlorophenol	UG/KG	0	0%	0	52	18000 UJ	4600 U	4400 U	910 UJ	870 UJ	880 U
Phenanthrene	UG/KG	52000	96%	50	52	15000 J	52000	14000	2400 J	12000 J	520
Phenol	UG/KG	420	2%	1	52	7400 UJ	1800 U	1800 U	360 U	340 U	350 U
Pyrene	UG/KG	64000	96%	50	52	23000	44000 J	13000	6300 J	64000 J	2500 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 U	1.8 UJ	1.8 UJ
4,4'-DDE	UG/KG	34	11%	5	46		1.9 U	26 J	11 NJ	34 NJ	1.8 U
4,4'-DDT	UG/KG	39	4%	2	46		1.9 UJ	39 J	6.3 R	24 NJ	1.8 UJ
Aldrin	UG/KG	12	9%	4	46		12	1.8 U	4.5 UJ	10 J	1.8 U
Alpha-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 U	1.8 UJ	1.8 UJ
Beta-BHC	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Chlordane	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 U	18 U
Delta-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 UJ	1.8 UJ	1.8 UJ
Dieldrin	UG/KG	34	4%	2	46		1.9 UJ	34 J	1.9 UJ	1.8 UJ	1.8 UJ
Endosulfan I	UG/KG	95	57%	26	46		95 J	20 J	28	63 J	24
Endosulfan II	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Endosulfan sulfate	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Endrin	UG/KG	30	4%	2	46		1.9 UJ	30 J	1.9 U	1.8 U	1.8 UJ
Endrin aldehyde	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Endrin ketone	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	1.9 U	1.8 U	1.8 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Heptachlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	UG/KG	55	17%	8	46		1.9 U	55 J	21	1.8 U	1.8 U
Methoxychlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	1.9 UJ	1.8 UJ	1.8 U
Toxaphene	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 U	18 U
Aroclor-1016	UG/KG	0	0%	0	46		19 U	18 UJ	19 UJ	18 UJ	18 UJ
Aroclor-1221	UG/KG	0	0%	0	46		19 U	18 U	19 UJ	18 UJ	18 U
Aroclor-1232	UG/KG	0	0%	0	46		19 U	18 UJ	19 UJ	18 UJ	18 UJ
Aroclor-1242	UG/KG	0	0%	0	46		19 U	18 UJ	19 UJ	18 UJ	18 UJ
Aroclor-1248	UG/KG	0	0%	0	46		19 U	18 U	19 UJ	18 UJ	18 U
Aroclor-1254	UG/KG	67	4%	2	46		19 UJ	18 U	30 J	18 UJ	18 U
Aroclor-1260	UG/KG	46	7%	3	46		19 UJ	18 U	19 UJ	18 UJ	18 U
Metals											
Aluminum	MG/KG	13200	100%	46	46		7590	2870	4430	1530	1510
Antimony	MG/KG	8.6	35%	16	46		6.6 U	0.99	0.98 U	1.7	1.3
Arsenic	MG/KG	104	74%	34	46		8.9	7.3	7.7 R	4.4 R	5.7
Barium	MG/KG	207	100%	46	46		111	168	71 J	73.5 J	88.7
Beryllium	MG/KG	0.68	96%	44	46		0.56	0.28 J	0.32	0.2	0.19 J
Cadmium	MG/KG	6.6	35%	16	46		0.55 U	1.4	0.27	0.33	0.19 J
Calcium	MG/KG	298000	100%	46	46		67500	202000	177000 J	269000 J	225000
Chromium	MG/KG	516	100%	46	46		16.4	12.4	10.7	6.1	4.1
Cobalt	MG/KG	237	100%	46	46		12.3	8	7.3	4.6	6.3
Copper	MG/KG	243	87%	40	46		44.1 J	29.6 J	31.9	13	15 J
Cyanide, Amenable	MG/KG	0	0%	0	46		0.56 UJ	0.54 UJ	0.56 U	0.53 U	0.53 UJ
Cyanide, Total	MG/KG	2.73	9%	4	46		0.558 UJ	0.536 UJ	0.557 U	0.526 U	0.534 UJ
Iron	MG/KG	69400	100%	46	46		19400	14100	11800	6130	6100
Lead	MG/KG	122	100%	46	46		48.8	90.9	34 J	31 J	19.1
Magnesium	MG/KG	22300	100%	46	46		6470	10900	12500 J	12600 J	15100
Manganese	MG/KG	349000	100%	46	46		779	909	557	594	406
Mercury	MG/KG	0.1	96%	44	46		0.03	0.04	0.01	0.02	0.02

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-2	SS121I-20	SS121I-21	SS121I-22	SS121I-23	SS121I-24
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB150	121I-1016	121I-1017	121I-1018	121I-1019	121I-1020
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/23/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46		30.7	17.1	19 J	11.9 J	17.2
Potassium	MG/KG	1450	100%	46	46		830	767	941	871	1100
Selenium	MG/KG	160	52%	24	46		0.7	0.48 J	0.66 J	0.43 UJ	0.53 U
Silver	MG/KG	10.5	15%	7	46		1.1 U	1.1 U	0.29 R	0.28 R	1.1 U
Sodium	MG/KG	372	78%	36	46		161	286	302	324	256
Thallium	MG/KG	173	24%	11	46		1.1 U	1.1 U	0.34 UJ	0.32 UJ	1.1 U
Vanadium	MG/KG	217	100%	46	46		17.1	14.6	11.1 J	5.9	7.2
Zinc	MG/KG	532	100%	46	46		145 J	157 J	71.3 J	80.5 J	44.9 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46		6200	3000	3600	5000	3900
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46		810 J	850 J	370	470	43 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	46	2.6 UJ	2.7 UJ	2.9 UJ	2.7 UJ	3.1 UJ	3.6 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Acetone	UG/KG	150	74%	34	46	5.1 J	5.6 J	45 UJ	16 J	3.1 U	3.6 UJ
Benzene	UG/KG	57	24%	11	46	2.6 U	2.7 UJ	4.6 J	2.7 U	24	57 J
Bromodichloromethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Bromoform	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Carbon disulfide	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Carbon tetrachloride	UG/KG	0	0%	0	46	2.6 UJ	2.7 UJ	2.9 UJ	2.7 UJ	3.1 UJ	3.6 UJ
Chlorobenzene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Chlorodibromomethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Chloroethane	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 UJ	3.6 UJ
Chloroform	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Ethyl benzene	UG/KG	9.5	17%	8	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	4.4	9.5 J
Meta/Para Xylene	UG/KG	8.7	17%	8	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.9	8.7 J
Methyl bromide	UG/KG	0	0%	0	46	2.6 UJ	2.7 UJ	2.9 UJ	2.7 UJ	3.1 UJ	3.6 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46	2.6 UJ	2.7 UJ	2.9 UJ	2.7 UJ	3.1 UJ	3.6 UJ
Methyl chloride	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Methyl ethyl ketone	UG/KG	78	26%	12	46	2.6 U	2.7 UJ	28 J	2.7 U	3.1 U	67 J
Methyl isobutyl ketone	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Methylene chloride	UG/KG	2.8	20%	9	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Ortho Xylene	UG/KG	5.1	17%	8	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	2.1 J	5.1 J
Styrene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 UJ	3.6 UJ
Toluene	UG/KG	43	22%	10	46	2.6 U	2.7 UJ	2.8 J	2.7 U	18	43 J
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Trichloroethene	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Vinyl chloride	UG/KG	0	0%	0	46	2.6 U	2.7 UJ	2.9 UJ	2.7 U	3.1 U	3.6 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	890 U	940 U	970 UJ	890 U	5200 U	5700 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	890 U	940 U	970 UJ	890 U	5200 R	5700 UJ
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2-Chlorophenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2-Methylphenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
2-Nitroaniline	UG/KG	0	0%	0	52	890 U	940 UJ	970 UJ	890 UJ	5200 UJ	5700 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46	350 U	370 U	390 U	360 U	2100 U	2300 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	350 UJ	370 UJ	390 UJ	360 R	2100 UJ	2300 R
3-Nitroaniline	UG/KG	0	0%	0	52	890 U	940 U	970 UJ	890 U	5200 U	5700 UJ
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	890 UJ	940 U	970 R	890 U	5200 R	5700 J
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	350 UJ	370 U	390 R	360 U	2100 U	2300 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	350 UJ	370 U	390 U	360 U	2100 U	2300 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
4-Methylphenol	UG/KG	0	0%	0	6						
4-Nitroaniline	UG/KG	0	0%	0	52	890 U	940 U	970 UJ	890 U	5200 U	5700 UJ
4-Nitrophenol	UG/KG	0	0%	0	52	890 U	940 U	970 UJ	890 U	5200 U	5700 U
Acenaphthene	UG/KG	6100	52%	27	52	760	66 J	390 UJ	360 U	2100 U	2300 U
Acenaphthylene	UG/KG	560	12%	6	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
Anthracene	UG/KG	12000	60%	31	52	900 J	110 J	390 R	360 U	330 J	2300 U
Benzo(a)anthracene	UG/KG	28000	94%	48	51	5500	660 J	120 J	56 J	700 J	260 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	5500	740 J	240 J	86 J	700 J	2300 R
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	7000	820 J	140 J	72 J	720 J	2300 R
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	5000	470 J	65 J	70 J	430 J	2300 R
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	4500	820 J	260 J	360 R	720 J	2300 R
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	350 UJ	74 J	110 J	66 J	2100 U	260 J
Butylbenzylphthalate	UG/KG	420	8%	4	52	350 UJ	370 UJ	390 UJ	55 J	2100 U	2300 R
Carbazole	UG/KG	6800	60%	31	52	1000	110 J	390 UJ	360 U	340 J	2300 UJ
Chrysene	UG/KG	32000	90%	47	52	6300	1100 J	220 J	100 J	790 J	2300 R
Di-n-butylphthalate	UG/KG	45	2%	1	52	350 UJ	370 U	390 R	360 U	2100 U	2300 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	350 UJ	370 UJ	390 UJ	360 R	2100 U	2300 R
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	300 J	370 UJ	390 R	360 R	2100 UJ	2300 R
Dibenzofuran	UG/KG	2000	29%	15	52	120 J	370 U	390 UJ	360 U	2100 U	2300 U
Diethyl phthalate	UG/KG	230	2%	1	52	350 U	370 U	390 UJ	360 U	2100 U	230 J
Dimethylphthalate	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 U	2300 U
Fluoranthene	UG/KG	62000	96%	50	52	11000	1500	130 J	86 J	2500	490 J
Fluorene	UG/KG	4200	44%	23	52	310 J	370 U	390 UJ	360 U	2100 U	2300 U
Hexachlorobenzene	UG/KG	0	0%	0	52	350 UJ	370 U	390 R	360 U	2100 U	2300 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	350 U	370 U	390 UJ	360 U	2100 UJ	2300 U
Hexachloroethane	UG/KG	0	0%	0	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	1400 J	470 J	390 UJ	360 R	2100 UJ	2300 R
Isophorone	UG/KG	420	2%	1	52	350 U	370 U	390 U	360 U	2100 U	2300 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	350 UJ	370 U	390 R	360 U	2100 U	2300 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	350 UJ	370 UJ	390 UJ	360 UJ	2100 U	2300 UJ
Naphthalene	UG/KG	630	13%	7	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Nitrobenzene	UG/KG	420	2%	1	52	350 U	370 U	390 U	360 UJ	2100 U	2300 U
Pentachlorophenol	UG/KG	0	0%	0	52	890 UJ	940 U	970 R	890 U	5200 UJ	5700 U
Phenanthrene	UG/KG	52000	96%	50	52	5200	640	150 J	74 J	2200	530 J
Phenol	UG/KG	420	2%	1	52	350 U	370 U	390 U	360 U	2100 U	2300 U
Pyrene	UG/KG	64000	96%	50	52	13000	2500 J	500 J	120 J	2300	1600 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
4,4'-DDE	UG/KG	34	11%	5	46	1.8 U	24	2 U	1.8 U	2.2 U	2.3 U
4,4'-DDT	UG/KG	39	4%	2	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
Aldrin	UG/KG	12	9%	4	46	12 J	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Alpha-BHC	UG/KG	0	0%	0	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
Beta-BHC	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Chlordane	UG/KG	0	0%	0	46	18 U	19 U	20 U	18 U	22 U	23 U
Delta-BHC	UG/KG	0	0%	0	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
Dieldrin	UG/KG	34	4%	2	46	1.8 UJ	1.9 UJ	2 UJ	1.8 UJ	2.2 UJ	2.3 UJ
Endosulfan I	UG/KG	95	57%	26	46	47 J	20	2 U	1.8 U	23	2.3 U
Endosulfan II	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Endosulfan sulfate	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Endrin	UG/KG	30	4%	2	46	6.5 J	1.9 U	2 U	1.8 UJ	2.2 U	2.3 U
Endrin aldehyde	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Endrin ketone	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46	1.8 UJ	1.9 U	2 U	1.8 UJ	2.2 U	2.3 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Heptachlor	UG/KG	0	0%	0	46	1.8 U	1.9 U	2 U	1.8 U	2.2 U	2.3 U
Heptachlor epoxide	UG/KG	55	17%	8	46	1.8 U	11 R	2 U	1.8 U	17 R	2.3 U
Methoxychlor	UG/KG	0	0%	0	46	1.8 U	1.9 UJ	2 UJ	1.8 U	2.2 UJ	2.3 UJ
Toxaphene	UG/KG	0	0%	0	46	18 U	19 U	20 U	18 U	22 U	23 U
Aroclor-1016	UG/KG	0	0%	0	46	18 UJ	19 UJ	20 UJ	18 UJ	21 UJ	23 UJ
Aroclor-1221	UG/KG	0	0%	0	46	18 U	19 UJ	20 UJ	18 U	21 UJ	23 UJ
Aroclor-1232	UG/KG	0	0%	0	46	18 UJ	19 UJ	20 UJ	18 UJ	21 UJ	23 UJ
Aroclor-1242	UG/KG	0	0%	0	46	18 UJ	19 UJ	20 UJ	18 UJ	21 UJ	23 UJ
Aroclor-1248	UG/KG	0	0%	0	46	18 U	19 UJ	20 UJ	18 U	21 UJ	23 UJ
Aroclor-1254	UG/KG	67	4%	2	46	18 U	19 UJ	20 UJ	18 U	21 UJ	23 UJ
Aroclor-1260	UG/KG	46	7%	3	46	18 U	19 UJ	20 UJ	18 U	21 UJ	23 UJ
Metals											
Aluminum	MG/KG	13200	100%	46	46	1560	1950	4110	2310	3730	2200
Antimony	MG/KG	8.6	35%	16	46	6.3 U	1 U	1.1 U	7.5	1.1 U	1.2 U
Arsenic	MG/KG	104	74%	34	46	3.5	5.8 R	9.1 R	3.9	349 R	239 R
Barium	MG/KG	207	100%	46	46	74.8	207	97.4 J	112	87.4 J	84.9 J
Beryllium	MG/KG	0.68	96%	44	46	0.16	0.25	0.32	0.19 J	0.16 U	0.18 U
Cadmium	MG/KG	6.6	35%	16	46	0.52 U	0.13 U	0.14 U	3.4	0.15 U	0.16 U
Calcium	MG/KG	298000	100%	46	46	232000	298000 J	180000 J	230000	29900 J	46500 J
Chromium	MG/KG	516	100%	46	46	3.9	4.6	10.7	10.3	516	362
Cobalt	MG/KG	237	100%	46	46	5	5.3	10.8 J	5.5	237 J	174 J
Copper	MG/KG	243	87%	40	46	10.4 J	14.9	17.9	19.1 J	243	175
Cyanide, Amenable	MG/KG	0	0%	0	46	0.54 UJ	0.57 U	0.59 U	0.55 UJ	0.63 U	0.68 U
Cyanide, Total	MG/KG	2.73	9%	4	46	0.538 UJ	0.569 U	0.588 U	0.546 UJ	1.26	2.73
Iron	MG/KG	69400	100%	46	46	5720	8350	15400	8250	69400	47400
Lead	MG/KG	122	100%	46	46	122	16.3 J	11.1 J	32.8	47.8 J	45.9 J
Magnesium	MG/KG	22300	100%	46	46	16800	5470 J	22300 J	12900	2770 J	6090 J
Manganese	MG/KG	349000	100%	46	46	593	1230	9720	699	349000	272000
Mercury	MG/KG	0.1	96%	44	46	0.02	0.01	0.04	0.02	0.02	0.02

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-25	SS121I-26	SS121I-27	SS121I-28	SS121I-29	SS121I-29
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						121I-1021	121I-1022	121I-1023	121I-1024	121I-1025	121I-1030
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						10/22/02	10/23/02	10/23/02	10/22/02	10/23/02	10/23/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46	11.1	12.8 J	25.5 J	14.3	394 J	289 J
Potassium	MG/KG	1450	100%	46	46	846	747	903	861	656	612
Selenium	MG/KG	160	52%	24	46	0.52 U	0.47 UJ	0.86 J	0.54 U	160 J	131 J
Silver	MG/KG	10.5	15%	7	46	1 U	0.3 R	0.6 R	1.1 U	24.1 R	18.6 R
Sodium	MG/KG	372	78%	36	46	232	365	240	284	126 U	135 U
Thallium	MG/KG	173	24%	11	46	1 U	0.35 UJ	0.36 UJ	1.1 U	173 J	152 J
Vanadium	MG/KG	217	100%	46	46	6.3	9.1	29 J	6.7	217 J	147 J
Zinc	MG/KG	532	100%	46	46	47.2 J	49.9 J	116	162 J	47.7 J	37.8 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46	3500	5600	4600	6900	7300	4900
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46	43 UJ	46 U	2200	44 UJ	240	1600

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46		2.8 U	3.4 UJ	2.7 U	2.7 UJ	3 UJ
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
1,1-Dichloroethane	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
1,1-Dichloroethene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
1,2-Dichloroethane	UG/KG	0	0%	0	46		2.8 UJ	3.4 UJ	2.7 UJ	2.7 UJ	3 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Acetone	UG/KG	150	74%	34	46		9.8	11	5.1	7.6 J	9.8 J
Benzene	UG/KG	57	24%	11	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Bromodichloromethane	UG/KG	0	0%	0	46		2.8 U	3.4 UJ	2.7 U	2.7 UJ	3 UJ
Bromoform	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Carbon disulfide	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Carbon tetrachloride	UG/KG	0	0%	0	46		2.8 UJ	3.4 UJ	2.7 UJ	2.7 UJ	3 UJ
Chlorobenzene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Chlorodibromomethane	UG/KG	0	0%	0	46		2.8 U	3.4 UJ	2.7 U	2.7 UJ	3 UJ
Chloroethane	UG/KG	0	0%	0	46		2.8 U	3.4 UJ	2.7 U	2.7 UJ	3 UJ
Chloroform	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Ethyl benzene	UG/KG	9.5	17%	8	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Meta/Para Xylene	UG/KG	8.7	17%	8	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Methyl bromide	UG/KG	0	0%	0	46		2.8 UJ	3.4 UJ	2.7 UJ	2.7 UJ	3 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46		2.8 UJ	3.4 UJ	2.7 UJ	2.7 UJ	3 UJ
Methyl chloride	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Methyl ethyl ketone	UG/KG	78	26%	12	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Methyl isobutyl ketone	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Methylene chloride	UG/KG	2.8	20%	9	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Ortho Xylene	UG/KG	5.1	17%	8	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Styrene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Toluene	UG/KG	43	22%	10	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Trichloroethene	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Vinyl chloride	UG/KG	0	0%	0	46		2.8 U	3.4 U	2.7 U	2.7 UJ	3 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 U	910 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	1900 U	920 UJ	890 U	940 U	900 UJ	910 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2-Chlorophenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	54 J	370 U	360 U	380 U	360 U	360 U
2-Methylphenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
2-Nitroaniline	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 UJ	910 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46		370 U	360 U	380 U	360 U	360 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	770 U	370 UJ	360 UJ	380 UJ	360 UJ	360 UJ
3-Nitroaniline	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 UJ	910 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	1900 U	920 UJ	890 U	940 U	900 UJ	910 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	770 U	370 UJ	360 UJ	380 UJ	360 U	360 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
4-Methylphenol	UG/KG	0	0%	0	6	770 U					
4-Nitroaniline	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 UJ	910 U
4-Nitrophenol	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 U	910 U
Acenaphthene	UG/KG	6100	52%	27	52	140 J	370 U	360 U	380 U	360 U	360 U
Acenaphthylene	UG/KG	560	12%	6	52	770 U	370 U	360 U	64 J	360 U	360 U
Anthracene	UG/KG	12000	60%	31	52	220 J	370 U	360 U	69 J	360 U	360 U
Benzo(a)anthracene	UG/KG	28000	94%	48	51	1600	370 UJ	43 J	190 J	80 J	99 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	1800	370 U	61 J	290 J	110 J	130 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	2100	370 U	67 J	360 J	110 J	130 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	1600	370 UJ	50 J	320 J	110 J	90 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	2500	370 U	360 UJ	340 J	95 J	120 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	230 J	370 UJ	1600	380 UJ	360 UJ	360 UJ
Butylbenzylphthalate	UG/KG	420	8%	4	52	770 U	370 UJ	360 UJ	380 UJ	360 UJ	360 UJ
Carbazole	UG/KG	6800	60%	31	52	320 J	370 U	360 U	60 J	360 UJ	360 U
Chrysene	UG/KG	32000	90%	47	52	2000	370 UJ	68 J	350 J	130 J	170 J
Di-n-butylphthalate	UG/KG	45	2%	1	52	770 U	370 U	360 U	380 U	360 U	360 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	770 U	370 UJ	360 UJ	380 UJ	360 UJ	360 UJ
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	720 J	370 U	360 UJ	380 UJ	360 UJ	360 R
Dibenzofuran	UG/KG	2000	29%	15	52	42 J	370 U	360 U	380 U	360 U	360 U
Diethyl phthalate	UG/KG	230	2%	1	52	770 U	370 U	360 U	380 U	360 U	360 U
Dimethylphthalate	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Fluoranthene	UG/KG	62000	96%	50	52	4000	370 U	80 J	500	120 J	180 J
Fluorene	UG/KG	4200	44%	23	52	98 J	370 U	360 U	380 U	360 U	360 U
Hexachlorobenzene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Hexachloroethane	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	1600	370 UJ	360 UJ	220 J	76 J	65 J
Isophorone	UG/KG	420	2%	1	52	770 U	370 U	360 U	380 U	360 U	360 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	770 U	370 U	360 U	380 U	360 U	360 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	770 U	370 U	360 UJ	380 UJ	360 UJ	360 UJ
Naphthalene	UG/KG	630	13%	7	52	770 U	370 U	360 U	380 U	360 U	360 U
Nitrobenzene	UG/KG	420	2%	1	52	770 U	370 U	360 U	380 U	360 U	360 U
Pentachlorophenol	UG/KG	0	0%	0	52	1900 U	920 U	890 U	940 U	900 U	910 U
Phenanthrene	UG/KG	52000	96%	50	52	1400	370 U	52 J	290 J	95 J	130 J
Phenol	UG/KG	420	2%	1	52	770 U	370 U	360 U	380 U	360 U	360 U
Pyrene	UG/KG	64000	96%	50	52	3000	370 UJ	110 J	640 J	300 J	260 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	2 UJ	1.8 UJ	1.9 UJ
4,4'-DDE	UG/KG	34	11%	5	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
4,4'-DDT	UG/KG	39	4%	2	46		1.9 U	1.8 U	2 U	1.8 UJ	1.9 UJ
Aldrin	UG/KG	12	9%	4	46		1.9 UJ	1.8 UJ	2 UJ	1.8 U	1.9 U
Alpha-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	2 UJ	1.8 UJ	1.9 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	2 UJ	1.8 UJ	1.9 UJ
Beta-BHC	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Chlordane	UG/KG	0	0%	0	46		19 U	18 U	20 U	18 U	19 U
Delta-BHC	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	2 UJ	1.8 UJ	1.9 UJ
Dieldrin	UG/KG	34	4%	2	46		1.9 UJ	1.8 UJ	2 U	1.8 UJ	1.9 UJ
Endosulfan I	UG/KG	95	57%	26	46		1.9 U	1.8 U	15	7.2 J	4.9 J
Endosulfan II	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Endosulfan sulfate	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Endrin	UG/KG	30	4%	2	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Endrin aldehyde	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Endrin ketone	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46		1.9 UJ	1.8 UJ	2 UJ	1.8 U	1.9 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Heptachlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 U	1.9 U
Heptachlor epoxide	UG/KG	55	17%	8	46		1.9 U	1.8 U	8	1.8 U	1.9 U
Methoxychlor	UG/KG	0	0%	0	46		1.9 U	1.8 U	2 U	1.8 UJ	1.9 UJ
Toxaphene	UG/KG	0	0%	0	46		19 U	18 U	20 U	18 U	19 U
Aroclor-1016	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 UJ	19 UJ
Aroclor-1221	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 UJ	19 UJ
Aroclor-1232	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 UJ	19 UJ
Aroclor-1242	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 UJ	19 UJ
Aroclor-1248	UG/KG	0	0%	0	46		19 U	18 U	19 U	18 UJ	19 UJ
Aroclor-1254	UG/KG	67	4%	2	46		19 UJ	18 UJ	19 UJ	18 UJ	19 UJ
Aroclor-1260	UG/KG	46	7%	3	46		19 UJ	18 UJ	19 UJ	18 UJ	19 UJ
Metals											
Aluminum	MG/KG	13200	100%	46	46		7610	4750	7030	2410	5670
Antimony	MG/KG	8.6	35%	16	46		6.5 U	4.5	6.7 U	3.2	4.1
Arsenic	MG/KG	104	74%	34	46		5.1	6.4	5.8	7.5 R	5.7 R
Barium	MG/KG	207	100%	46	46		48.3	38.2	48.9	188	97.2 J
Beryllium	MG/KG	0.68	96%	44	46		0.42	0.27	0.43	0.22	0.38
Cadmium	MG/KG	6.6	35%	16	46		0.54 U	0.53 U	0.56 U	0.45	0.17
Calcium	MG/KG	298000	100%	46	46		50600	52400	40900	253000 J	160000 J
Chromium	MG/KG	516	100%	46	46		14.6	10.5	15.2	10.8	14.2
Cobalt	MG/KG	237	100%	46	46		9.6	9.5	8.9	7.2	8.3
Copper	MG/KG	243	87%	40	46		20.7 J	14.2 J	21.3 J	23.9	21
Cyanide, Amenable	MG/KG	0	0%	0	46		0.56 UJ	0.54 UJ	0.58 UJ	0.55 U	0.55 U
Cyanide, Total	MG/KG	2.73	9%	4	46		0.557 UJ	0.545 UJ	0.577 UJ	0.546 U	0.551 U
Iron	MG/KG	69400	100%	46	46		18100	14500	16900	10300	14600
Lead	MG/KG	122	100%	46	46		13.5	21	31.2	40 J	25.9 J
Magnesium	MG/KG	22300	100%	46	46		12800	4770	5330	18800 J	11800 J
Manganese	MG/KG	349000	100%	46	46		412	377	428	847	634
Mercury	MG/KG	0.1	96%	44	46		0.02	0.02	0.03	0.02	0.03

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-3	SS121I-30	SS121I-31	SS121I-32	SS121I-33	SS121I-34
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB149	121I-1026	121I-1027	121I-1028	121I-1029	121I-1032
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46		25.4	22.3	27.2	342 J	30.8 J
Potassium	MG/KG	1450	100%	46	46		1300	653	835	1000 J	867
Selenium	MG/KG	160	52%	24	46		0.54 U	0.53 U	0.56 U	0.62 J	0.76 J
Silver	MG/KG	10.5	15%	7	46		1.1 U	1.1 U	1.1 U	0.29 R	0.29 R
Sodium	MG/KG	372	78%	36	46		129	138	117	326	218
Thallium	MG/KG	173	24%	11	46		1.1 U	1.1 U	1.1 U	0.33 UJ	0.34 UJ
Vanadium	MG/KG	217	100%	46	46		13.6	8.9	13.6	7.7	11.3 J
Zinc	MG/KG	532	100%	46	46		70.9 J	71.1 J	92.6 J	329	78.8 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46		6600	4300	6600	3600	4900
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46		45 UJ	44 UJ	140 J	44 U	44 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
1,1,2-Trichloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
1,1-Dichloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
1,1-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
1,2-Dichloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 UJ	2.8 UJ	3.3 UJ	2.9 UJ
1,2-Dichloropropane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Acetone	UG/KG	150	74%	34	46		3 UJ	7.7	51	11 J	20 J
Benzene	UG/KG	57	24%	11	46		3 UJ	2.8 U	16	3.3 U	4.8
Bromodichloromethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Bromoform	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Carbon disulfide	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Carbon tetrachloride	UG/KG	0	0%	0	46		3 UJ	2.8 UJ	2.8 UJ	3.3 UJ	2.9 UJ
Chlorobenzene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Chlorodibromomethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Chloroethane	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Chloroform	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Ethyl benzene	UG/KG	9.5	17%	8	46		3 UJ	2.8 U	2.3 J	3.3 U	2.1 J
Meta/Para Xylene	UG/KG	8.7	17%	8	46		3 UJ	2.8 U	2.3 J	3.3 U	2.1 J
Methyl bromide	UG/KG	0	0%	0	46		3 UJ	2.8 UJ	2.8 UJ	3.3 UJ	2.9 UJ
Methyl butyl ketone	UG/KG	0	0%	0	46		3 UJ	2.8 UJ	2.8 UJ	3.3 UJ	2.9 UJ
Methyl chloride	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Methyl ethyl ketone	UG/KG	78	26%	12	46		3 UJ	2.8 U	31	3.3 U	9.8
Methyl isobutyl ketone	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Methylene chloride	UG/KG	2.8	20%	9	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Ortho Xylene	UG/KG	5.1	17%	8	46		3 UJ	2.8 U	1.4 J	3.3 U	1.3 J
Styrene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Toluene	UG/KG	43	22%	10	46		3 UJ	2.8 U	12	3.3 U	6.1
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Trichloroethene	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Vinyl chloride	UG/KG	0	0%	0	46		3 UJ	2.8 U	2.8 U	3.3 U	2.9 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	1300 U	1000 U	920 U	980 U	980 U	970 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	1300 UJ	1000 UJ	920 U	980 U	980 UJ	970 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2-Chlorophenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	550 U	400 U	370 U	390 U	390 U	380 U
2-Methylphenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
2-Nitroaniline	UG/KG	0	0%	0	52	1300 U	1000 UJ	920 U	980 UJ	980 U	970 UJ
2-Nitrophenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46		400 U	370 U	390 U	390 U	380 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	550 U	400 U	370 U	390 UJ	390 U	380 R
3-Nitroaniline	UG/KG	0	0%	0	52	1300 U	1000 U	920 U	980 U	980 U	970 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	1300 U	1000 UJ	920 U	980 U	980 UJ	970 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
4-Methylphenol	UG/KG	0	0%	0	6	550 U					
4-Nitroaniline	UG/KG	0	0%	0	52	1300 UJ	1000 U	920 U	980 U	980 U	970 U
4-Nitrophenol	UG/KG	0	0%	0	52	1300 U	1000 U	920 U	980 U	980 U	970 U
Acenaphthene	UG/KG	6100	52%	27	52	320 J	400 U	370 U	65 J	390 U	84 J
Acenaphthylene	UG/KG	560	12%	6	52	550 U	400 U	370 U	390 U	390 U	380 U
Anthracene	UG/KG	12000	60%	31	52	230 J	400 U	370 U	94 J	390 U	130 J
Benzo(a)anthracene	UG/KG	28000	94%	48	51	1700	69 J	370 U	360 J	52 J	620 J
Benzo(a)pyrene	UG/KG	23000	92%	48	52	1600	95 J	75 J	370 J	71 J	610 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	1700	82 J	61 J	360 J	55 J	690 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	940	85 J	370 U	270 J	78 J	510 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	1800	400 U	370 U	470 J	390 U	530 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	47 J	400 U	370 U	390 UJ	390 U	63 J
Butylbenzylphthalate	UG/KG	420	8%	4	52	550 U	400 U	370 U	390 UJ	390 U	380 R
Carbazole	UG/KG	6800	60%	31	52	380 J	400 U	370 U	110 J	390 U	130 J
Chrysene	UG/KG	32000	90%	47	52	1900	94 J	370 U	480 J	66 J	890 J
Di-n-butylphthalate	UG/KG	45	2%	1	52	550 U	400 U	370 U	390 U	390 U	380 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	550 UJ	400 U	370 U	390 UJ	390 U	380 R
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	420 J	400 UJ	370 U	390 R	390 U	380 R
Dibenzofuran	UG/KG	2000	29%	15	52	63 J	400 U	370 U	390 U	390 U	380 U
Diethyl phthalate	UG/KG	230	2%	1	52	550 U	400 U	370 U	390 U	390 U	380 U
Dimethylphthalate	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Fluoranthene	UG/KG	62000	96%	50	52	4100	150 J	120 J	910	140 J	1400
Fluorene	UG/KG	4200	44%	23	52	160 J	400 U	370 U	43 J	390 U	54 J
Hexachlorobenzene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Hexachloroethane	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	950	72 J	370 U	180 J	100 J	480 R
Isophorone	UG/KG	420	2%	1	52	550 U	400 U	370 U	390 U	390 U	380 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	550 U	400 U	370 U	390 U	390 U	380 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	550 U	400 UJ	370 U	390 UJ	390 U	380 UJ
Naphthalene	UG/KG	630	13%	7	52	51 J	400 U	370 U	390 U	390 U	380 U
Nitrobenzene	UG/KG	420	2%	1	52	550 U	400 U	370 U	390 U	390 U	380 U
Pentachlorophenol	UG/KG	0	0%	0	52	1300 U	1000 U	920 U	980 U	980 U	970 U
Phenanthrene	UG/KG	52000	96%	50	52	1800	66 J	76 J	650	73 J	930
Phenol	UG/KG	420	2%	1	52	550 U	400 U	370 U	390 U	390 U	380 U
Pyrene	UG/KG	64000	96%	50	52	3200	140 J	120 J	1100 J	97 J	3000 J
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
4,4'-DDE	UG/KG	34	11%	5	46		2.1 U	1.9 U	2 U	2 U	2 U
4,4'-DDT	UG/KG	39	4%	2	46		2.1 U	1.9 UJ	2 U	2 UJ	2 UJ
Aldrin	UG/KG	12	9%	4	46		2.1 UJ	1.9 U	2 UJ	2 U	3.2 J
Alpha-BHC	UG/KG	0	0%	0	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Beta-BHC	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Chlordane	UG/KG	0	0%	0	46		21 U	19 U	20 U	20 U	20 U
Delta-BHC	UG/KG	0	0%	0	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Dieldrin	UG/KG	34	4%	2	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Endosulfan I	UG/KG	95	57%	26	46		4.2	2.6	8.7	4	36 J
Endosulfan II	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Endosulfan sulfate	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Endrin	UG/KG	30	4%	2	46		2.1 U	1.9 UJ	2 U	2 UJ	2 UJ
Endrin aldehyde	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Endrin ketone	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46		2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Heptachlor	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Heptachlor epoxide	UG/KG	55	17%	8	46		2.1 U	1.9 U	6.4	2 U	25
Methoxychlor	UG/KG	0	0%	0	46		2.1 U	1.9 U	2 U	2 U	2 U
Toxaphene	UG/KG	0	0%	0	46		21 U	19 U	20 U	20 U	20 U
Aroclor-1016	UG/KG	0	0%	0	46		21 U	19 UJ	20 U	20 UJ	20 U
Aroclor-1221	UG/KG	0	0%	0	46		21 U	19 U	20 U	20 U	20 U
Aroclor-1232	UG/KG	0	0%	0	46		21 U	19 UJ	20 U	20 UJ	20 U
Aroclor-1242	UG/KG	0	0%	0	46		21 U	19 UJ	20 U	20 UJ	20 U
Aroclor-1248	UG/KG	0	0%	0	46		21 U	19 U	20 U	20 U	20 U
Aroclor-1254	UG/KG	67	4%	2	46		21 UJ	19 U	20 UJ	20 U	20 UJ
Aroclor-1260	UG/KG	46	7%	3	46		21 UJ	19 U	20 UJ	20 U	20 UJ
Metals											
Aluminum	MG/KG	13200	100%	46	46		6960	10600	7880	7750	7210
Antimony	MG/KG	8.6	35%	16	46		7.3 U	6.7 U	7.1 U	3.6	6.9 U
Arsenic	MG/KG	104	74%	34	46		3.7	7.2	30	4.1	14
Barium	MG/KG	207	100%	46	46		41.4	61.9	79.2	83.5	87.5
Beryllium	MG/KG	0.68	96%	44	46		0.39 J	0.53 J	0.41 J	0.38 J	0.45
Cadmium	MG/KG	6.6	35%	16	46		0.61 U	0.56 U	0.6 U	0.57 U	0.15
Calcium	MG/KG	298000	100%	46	46		37300	36000	30600	62600	39800
Chromium	MG/KG	516	100%	46	46		14.7	19.8	77.1	11.8	35
Cobalt	MG/KG	237	100%	46	46		11	11.7	26.5	8.1	15
Copper	MG/KG	243	87%	40	46		24.1 J	23.1 J	41.8 J	31 J	37 J
Cyanide, Amenable	MG/KG	0	0%	0	46		0.61 UJ	0.56 UJ	0.6 UJ	0.59 UJ	0.58 UJ
Cyanide, Total	MG/KG	2.73	9%	4	46		0.61 UJ	0.559 J	0.595 UJ	0.588 UJ	0.581 UJ
Iron	MG/KG	69400	100%	46	46		15900	24500	25200	15100	22900
Lead	MG/KG	122	100%	46	46		21.4	16	35.6	15.2	51
Magnesium	MG/KG	22300	100%	46	46		6310	11500	9420	14200	7110
Manganese	MG/KG	349000	100%	46	46		404	880	28100	567	9500
Mercury	MG/KG	0.1	96%	44	46		0.04	0.03	0.04	0.03	0.03

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SS121I-4	SS121I-5	SS121I-6	SS121I-7	SS121I-8	SS121I-9
Matrix						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID						EB148	121I-1000	121I-1001	121I-1002	121I-1004	121I-1005
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						0.2	0.2	0.2	0.2	0.2	0.2
Sample Date						3/10/98	10/22/02	10/22/02	10/22/02	10/22/02	10/22/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						EBS	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46		30.9	30.3	74.8	25.9	34.3
Potassium	MG/KG	1450	100%	46	46		1140	1140	969	889	723
Selenium	MG/KG	160	52%	24	46		0.61 U	1.3	5.5	0.57 U	1.3
Silver	MG/KG	10.5	15%	7	46		1.2 U	1.1 U	1.8	1.1 U	0.51 J
Sodium	MG/KG	372	78%	36	46		132	132	595 U	134	123
Thallium	MG/KG	173	24%	11	46		1.2 U	0.38	6.7	1.1 U	0.5 J
Vanadium	MG/KG	217	100%	46	46		11.9	17.3	34.5	13.8	18.7
Zinc	MG/KG	532	100%	46	46		59.7 J	82.6 J	123 J	56.8 J	132 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46		4200	8900	6100	4900	5000
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46		410 J	45 UJ	48 UJ	47 UJ	47 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
1,1-Dichloroethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
1,1-Dichloroethene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
1,2-Dichloroethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
1,2-Dichloropropane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Acetone	UG/KG	150	74%	34	46	28	25 J	10 J	22 J	13 J	150
Benzene	UG/KG	57	24%	11	46	2.3 J	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	39
Bromodichloromethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Bromoform	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Carbon disulfide	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Carbon tetrachloride	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Chlorobenzene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Chlorodibromomethane	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Chloroethane	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Chloroform	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Ethyl benzene	UG/KG	9.5	17%	8	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	5.2
Meta/Para Xylene	UG/KG	8.7	17%	8	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	4.8
Methyl bromide	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Methyl butyl ketone	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Methyl chloride	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Methyl ethyl ketone	UG/KG	78	26%	12	46	7.2	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	78
Methyl isobutyl ketone	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Methylene chloride	UG/KG	2.8	20%	9	46	2.7 UJ	2.5 U	1.9 U	3.7 UJ	3.2 UJ	2.9 UJ
Ortho Xylene	UG/KG	5.1	17%	8	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	3
Styrene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Toluene	UG/KG	43	22%	10	46	1.7 J	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	26
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46	2.7 UJ	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Trichloroethene	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Vinyl chloride	UG/KG	0	0%	0	46	2.7 U	3.1 UJ	3.2 UJ	3.7 UJ	3.2 UJ	2.9 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2-Chlorophenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	390 U	420 U	130 J	450 U	480 U	440 U
2-Methylphenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
2-Nitroaniline	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
2-Nitrophenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46	390 U	420 U	420 U	450 U	480 U	440 U
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	390 U	420 UJ	420 J	450 UJ	480 U	440 U
3-Nitroaniline	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 UJ
4-Methylphenol	UG/KG	0	0%	0	6						
4-Nitroaniline	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
4-Nitrophenol	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
Acenaphthene	UG/KG	6100	52%	27	52	300 J	280 J	1200	640	130 J	66 J
Acenaphthylene	UG/KG	560	12%	6	52	83 J	70 J	420 U	76 J	480 U	440 U
Anthracene	UG/KG	12000	60%	31	52	650	420 J	1900	980	210 J	120 J
Benzo(a)anthracene	UG/KG	28000	94%	48	51	2900	2200 J		5800 J	510	450
Benzo(a)pyrene	UG/KG	23000	92%	48	52	2800 J	2800 J	5900 J	5500 J	390 J	420 J
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	3600 J	3600 J	8100 J	8500 J	550	610 J
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	810 J	1400 J	3200 J	2100 J	150 J	140 J
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	2400 J	2500 J	4900 J	3300 J	250 J	260 J
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	390 U	420 UJ	420 U	450 U	480 U	440 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	390 U	75 J	110 J	78 J	480 U	440 U
Butylbenzylphthalate	UG/KG	420	8%	4	52	390 U	420 J	420 J	450 UJ	480 U	440 U
Carbazole	UG/KG	6800	60%	31	52	510	440	1700	920	200 J	100 J
Chrysene	UG/KG	32000	90%	47	52	3400 J	2400 J	5400 J	5800 J	540	500
Di-n-butylphthalate	UG/KG	45	2%	1	52	390 U	420 U	420 U	450 U	480 U	440 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	390 U	420 J	420 J	450 UJ	480 U	440 U
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	86 J	130 J	350 J	160 J	480 U	440 UJ
Dibenzofuran	UG/KG	2000	29%	15	52	160 J	71 J	640	130 J	94 J	440 UJ
Diethyl phthalate	UG/KG	230	2%	1	52	390 U	420 U	420 U	450 U	480 U	440 U
Dimethylphthalate	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
Fluoranthene	UG/KG	62000	96%	50	52	5800	4400	13000	9400	1300	1100
Fluorene	UG/KG	4200	44%	23	52	270 J	190 J	1100	390 J	140 J	53 J
Hexachlorobenzene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 UJ
Hexachloroethane	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	350 J	400 J	1300 J	750 J	150 J	110 J
Isophorone	UG/KG	420	2%	1	52	390 U	420 J	420 U	450 U	480 U	440 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	390 U	420 U	420 U	450 U	480 U	440 UJ
Naphthalene	UG/KG	630	13%	7	52	390 U	420 U	490	450 U	65 J	440 U
Nitrobenzene	UG/KG	420	2%	1	52	390 U	420 J	420 U	450 U	480 U	440 U
Pentachlorophenol	UG/KG	0	0%	0	52	970 U	1100 U	1100 U	1100 U	1200 U	1100 U
Phenanthrene	UG/KG	52000	96%	50	52	4200	2500	10000	4900	1200	650
Phenol	UG/KG	420	2%	1	52	390 U	420 J	420 U	450 U	480 U	440 U
Pyrene	UG/KG	64000	96%	50	52	8800 J	6500 J	17000 J	17000 J	940	840
Pesticides/PCBs											
4,4'-DDD	UG/KG	0	0%	0	46	0.24 U	2.2 U	2.2 U	0.27 U	0.29 U	0.27 U
4,4'-DDE	UG/KG	34	11%	5	46	0.24 U	14 J	2.2 UJ	0.27 U	0.29 U	0.27 U
4,4'-DDT	UG/KG	39	4%	2	46	0.24 UJ	2.2 UJ	2.2 UJ	0.27 UJ	0.29 UJ	0.27 UJ
Aldrin	UG/KG	12	9%	4	46	0.12 U	2.2 U	2.2 U	0.14 U	0.14 U	0.14 U
Alpha-BHC	UG/KG	0	0%	0	46	1.4 UJ	2.2 U	2.2 U	1.6 UJ	1.7 UJ	1.6 UJ
Alpha-Chlordane	UG/KG	0	0%	0	46	0.35 R	2.2 U	2.2 U	0.41 R	0.43 UJ	0.41 R
Beta-BHC	UG/KG	0	0%	0	46	0.12 U	2.2 U	2.2 U	0.14 U	0.14 U	0.14 U
Chlordane	UG/KG	0	0%	0	46	2.2 U	22 U	22 U	2.6 U	2.8 U	2.6 U
Delta-BHC	UG/KG	0	0%	0	46	0.24 UJ	2.2 UJ	2.2 UJ	0.27 UJ	0.29 UJ	0.27 UJ
Dieldrin	UG/KG	34	4%	2	46	0.12 UJ	2.2 UJ	2.2 UJ	0.14 UJ	0.14 UJ	0.14 UJ
Endosulfan I	UG/KG	95	57%	26	46	0.59 R	2.2 U	56 R	0.68 R	0.72 UJ	0.68 R
Endosulfan II	UG/KG	0	0%	0	46	0.35 U	2.2 U	2.2 U	0.41 U	0.43 U	0.41 U
Endosulfan sulfate	UG/KG	0	0%	0	46	0.71 U	2.2 U	2.2 U	0.82 U	0.87 U	0.81 U
Endrin	UG/KG	30	4%	2	46	0.94 U	2.2 UJ	2.2 UJ	1.1 U	1.2 U	1.1 U
Endrin aldehyde	UG/KG	0	0%	0	46	0.94 UJ	2.2 UJ	2.2 UJ	1.1 UJ	1.2 UJ	1.1 UJ
Endrin ketone	UG/KG	0	0%	0	46	0.12 U	2.2 U	2.2 U	0.14 U	0.14 U	0.14 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	46	0.12 UJ	2.2 U	2.2 U	0.14 UJ	0.14 UJ	0.14 UJ

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46	0.35 UJ	2.2 U	2.2 U	0.41 UJ	0.43 UJ	0.41 UJ
Heptachlor	UG/KG	0	0%	0	46	1.2 U	2.2 U	2.2 U	1.4 U	1.4 U	1.4 U
Heptachlor epoxide	UG/KG	55	17%	8	46	0.35 R	2.2 U	2.2 U	0.41 R	0.43 U	0.41 R
Methoxychlor	UG/KG	0	0%	0	46	0.12 U	2.2 UJ	2.2 UJ	0.14 U	0.14 U	0.14 U
Toxaphene	UG/KG	0	0%	0	46	3.8 U	22 U	22 U	4.4 U	4.6 U	4.3 U
Aroclor-1016	UG/KG	0	0%	0	46	6 U	22 U	22 U	7.1 UJ	7.5 UJ	6.9 U
Aroclor-1221	UG/KG	0	0%	0	46	1.5 U	22 U	22 U	1.8 U	1.9 U	1.7 U
Aroclor-1232	UG/KG	0	0%	0	46	9.2 U	22 U	22 U	11 UJ	12 UJ	11 U
Aroclor-1242	UG/KG	0	0%	0	46	2.5 U	22 U	22 U	3 UJ	3.2 UJ	2.9 U
Aroclor-1248	UG/KG	0	0%	0	46	6.3 U	22 U	22 U	7.5 U	8 U	7.3 U
Aroclor-1254	UG/KG	67	4%	2	46	12 U	22 U	22 U	14 U	15 U	14 U
Aroclor-1260	UG/KG	46	7%	3	46	2.3 U	22 U	17 NJ	2.7 UJ	2.9 UJ	2.6 U
Metals											
Aluminum	MG/KG	13200	100%	46	46	6270	6950	6170	6140	5330	5040
Antimony	MG/KG	8.6	35%	16	46	1.1 UJ	1.1 U	0.99 U	1.2 UJ	1.3 UJ	1.2 UJ
Arsenic	MG/KG	104	74%	34	46	27.4	7.8	6.9	6.6	3.8	104
Barium	MG/KG	207	100%	46	46	80.5 J	72.2	58.9	75.6 J	74.4 J	91.1 J
Beryllium	MG/KG	0.68	96%	44	46	0.37	0.48 J	0.43 J	0.5	0.43	0.3
Cadmium	MG/KG	6.6	35%	16	46	0.14 U	0.83	0.77	0.16 U	0.17 U	0.16 U
Calcium	MG/KG	298000	100%	46	46	30100	145000	110000	65800	54300	8990
Chromium	MG/KG	516	100%	46	46	9.9	14.5	13.5	12.2	10.1	83.9
Cobalt	MG/KG	237	100%	46	46	25.1	11	10.5	8.8	7.4	91.9
Copper	MG/KG	243	87%	40	46	130	33.8 J	34.7 J	33.2	20.4	117
Cyanide, Amenable	MG/KG	0	0%	0	46	0.59 U	0.64 U	0.65 U	0.68 U	0.72 U	0.67 U
Cyanide, Total	MG/KG	2.73	9%	4	46	0.59 U	0.644 U	0.648 U	0.68 U	0.72 U	0.67 U
Iron	MG/KG	69400	100%	46	46	21200	15200 J	13900 J	13900	12500	30400
Lead	MG/KG	122	100%	46	46	82.4	71.2 J	77.4 J	86.9	39.6	67.2
Magnesium	MG/KG	22300	100%	46	46	5240	11700 J	9890 J	7380	7450	2150
Manganese	MG/KG	349000	100%	46	46	12300	588 J	541 J	767	477	14900
Mercury	MG/KG	0.1	96%	44	46	0.03	0.12 UJ	0.11 UJ	0.1	0.05	0.05

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-4	SD121I-7	SD121I-7	SD121I-9	SD121I-10	SD121I-8
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4003	121I-4005	121I-4007	121I-4009	121I-4010	121I-4008
Sample Depth to Top of Sample						0	0	0	0	0	0
Sample Depth to Bottom of Sample						2	2	2	2	2	2
Sample Date						11/6/02	10/26/02	10/26/02	11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA	SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46	29.8	27.9 J	26.9 J	20.4	17	153
Potassium	MG/KG	1450	100%	46	46	671	1340 J	1230 J	958	837	874
Selenium	MG/KG	160	52%	24	46	0.49 U	0.53 U	0.46 U	0.56 U	0.6 U	18
Silver	MG/KG	10.5	15%	7	46	2.5	0.34 U	0.3 U	0.36 U	0.39 U	10.5
Sodium	MG/KG	372	78%	36	46	118 U	288	211	162	266	132 U
Thallium	MG/KG	173	24%	11	46	0.36 U	0.71 J	0.34 U	0.41 U	0.44 U	21.5
Vanadium	MG/KG	217	100%	46	46	25.8	20.2 J	18.4 J	17	11.6	69.4
Zinc	MG/KG	532	100%	46	46	78.6 J	124 J	125 J	129 J	89.2 J	121 J
Others											
Total Organic Carbon	MG/KG	8900	100%	46	46	3500	5300	4500	7000	6200	5400
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46	350	1000 J	630 J	910	58 U	54 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics									
1,1,1-Trichloroethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
1,1,2-Trichloroethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
1,1-Dichloroethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
1,1-Dichloroethene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
1,2-Dichloroethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
1,2-Dichloropropane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Acetone	UG/KG	150	74%	34	46	16	16		
Benzene	UG/KG	57	24%	11	46	1.2 J	3.1 U		
Bromodichloromethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Bromoform	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Carbon disulfide	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Carbon tetrachloride	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Chlorobenzene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Chlorodibromomethane	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Chloroethane	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Chloroform	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Ethyl benzene	UG/KG	9.5	17%	8	46	4.4 U	3.1 U		
Meta/Para Xylene	UG/KG	8.7	17%	8	46	4.4 U	3.1 U		
Methyl bromide	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Methyl butyl ketone	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Methyl chloride	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Methyl ethyl ketone	UG/KG	78	26%	12	46	4.4 U	3.1 U		
Methyl isobutyl ketone	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Methylene chloride	UG/KG	2.8	20%	9	46	4.4 UJ	3.1 UJ		
Ortho Xylene	UG/KG	5.1	17%	8	46	4.4 U	3.1 U		
Styrene	UG/KG	0	0%	0	46	4.4 U	3.1 U		

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Toluene	UG/KG	43	22%	10	46	4.4 U	3.1 U		
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	46	4.4 UJ	3.1 UJ		
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Trichloroethene	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Vinyl chloride	UG/KG	0	0%	0	46	4.4 U	3.1 U		
Semivolatile Organic Compounds									
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2,4-Dichlorophenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2,4-Dimethylphenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2,4-Dinitrophenol	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2-Chloronaphthalene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2-Chlorophenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2-Methylnaphthalene	UG/KG	260	10%	5	52	530 U	410 U	33 J	4400 U
2-Methylphenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
2-Nitroaniline	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
2-Nitrophenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
3 or 4-Methylphenol	UG/KG	0	0%	0	46	530 U	410 U		
3,3'-Dichlorobenzidine	UG/KG	420	4%	2	52	530 U	410 U	480 U	4400 U
3-Nitroaniline	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
4,6-Dinitro-2-methylphenol	UG/KG	5700	2%	1	52	1300 U	1000 U	1200 U	11000 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	52	530 U	410 UJ	480 U	4400 U
4-Methylphenol	UG/KG	0	0%	0	6			480 U	4400 U
4-Nitroaniline	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
4-Nitrophenol	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
Acenaphthene	UG/KG	6100	52%	27	52	80 J	140 J	140 J	390 J
Acenaphthylene	UG/KG	560	12%	6	52	530 U	410 U	480 U	420 J
Anthracene	UG/KG	12000	60%	31	52	110 J	140 J	260 J	1800 J
Benzo(a)anthracene	UG/KG	28000	94%	48	51	270 J	770	1300	14000
Benzo(a)pyrene	UG/KG	23000	92%	48	52	290 J	750 J	1300	16000
Benzo(b)fluoranthene	UG/KG	29000	94%	49	52	380 J	1100 J	2100	22000
Benzo(ghi)perylene	UG/KG	29000	87%	45	52	110 J	250 J	840	12000
Benzo(k)fluoranthene	UG/KG	23000	75%	39	52	140 J	710 J	1600	23000
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Bis(2-Ethylhexyl)phthalate	UG/KG	1600	35%	18	52	530 U	410 U	25 J	4400 U
Butylbenzylphthalate	UG/KG	420	8%	4	52	530 U	410 U	480 U	4400 U
Carbazole	UG/KG	6800	60%	31	52	110 J	150 J	410 J	1600 J
Chrysene	UG/KG	32000	90%	47	52	340 J	910	1700	25000
Di-n-butylphthalate	UG/KG	45	2%	1	52	530 U	410 U	480 U	4400 U
Di-n-octylphthalate	UG/KG	420	4%	2	52	530 U	410 U	480 U	4400 U
Dibenz(a,h)anthracene	UG/KG	5000	31%	16	52	530 U	410 UJ	400 J	5000 J
Dibenzofuran	UG/KG	2000	29%	15	52	530 U	410 UJ	58 J	4400 U
Diethyl phthalate	UG/KG	230	2%	1	52	530 U	410 U	480 U	4400 U
Dimethylphthalate	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Fluoranthene	UG/KG	62000	96%	50	52	680	1600	3400	24000
Fluorene	UG/KG	4200	44%	23	52	70 J	72 J	130 J	360 J
Hexachlorobenzene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Hexachlorobutadiene	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachlorocyclopentadiene	UG/KG	0	0%	0	52	530 U	410 UJ	480 U	4400 U
Hexachloroethane	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
Indeno(1,2,3-cd)pyrene	UG/KG	12000	73%	38	52	98 J	140 J	850 J	12000 J
Isophorone	UG/KG	420	2%	1	52	530 U	410 U	480 U	4400 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	52	530 U	410 U	480 U	4400 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	52	530 U	410 UJ	480 U	4400 U
Naphthalene	UG/KG	630	13%	7	52	530 U	410 U	480 U	4400 U
Nitrobenzene	UG/KG	420	2%	1	52	530 U	410 U	480 U	4400 U
Pentachlorophenol	UG/KG	0	0%	0	52	1300 U	1000 U	1200 U	11000 U
Phenanthrene	UG/KG	52000	96%	50	52	620	870	1600	4400 J
Phenol	UG/KG	420	2%	1	52	530 U	410 U	480 U	4400 U
Pyrene	UG/KG	64000	96%	50	52	560	1500	2700	17000
Pesticides/PCBs									
4,4'-DDD	UG/KG	0	0%	0	46	0.33 U	0.25 U		
4,4'-DDE	UG/KG	34	11%	5	46	0.33 U	0.25 U		
4,4'-DDT	UG/KG	39	4%	2	46	0.33 UJ	0.25 UJ		
Aldrin	UG/KG	12	9%	4	46	0.16 U	0.12 U		
Alpha-BHC	UG/KG	0	0%	0	46	2 UJ	1.5 UJ		
Alpha-Chlordane	UG/KG	0	0%	0	46	0.49 UJ	0.38 UJ		
Beta-BHC	UG/KG	0	0%	0	46	0.16 U	0.12 U		
Chlordane	UG/KG	0	0%	0	46	3.1 U	2.4 U		
Delta-BHC	UG/KG	0	0%	0	46	0.33 UJ	0.25 UJ		
Dieldrin	UG/KG	34	4%	2	46	0.16 UJ	0.12 UJ		
Endosulfan I	UG/KG	95	57%	26	46	0.82 UJ	0.62 UJ		
Endosulfan II	UG/KG	0	0%	0	46	0.49 U	0.38 U		
Endosulfan sulfate	UG/KG	0	0%	0	46	0.98 U	0.75 U		
Endrin	UG/KG	30	4%	2	46	1.3 U	1 U		
Endrin aldehyde	UG/KG	0	0%	0	46	1.3 UJ	1 UJ		
Endrin ketone	UG/KG	0	0%	0	46	0.16 U	0.12 U		
Gamma-BHC/Lindane	UG/KG	0	0%	0	46	0.16 UJ	0.12 UJ		

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Gamma-Chlordane	UG/KG	0	0%	0	46	0.49 UJ	0.38 UJ		
Heptachlor	UG/KG	0	0%	0	46	1.6 U	1.2 U		
Heptachlor epoxide	UG/KG	55	17%	8	46	0.49 U	0.38 U		
Methoxychlor	UG/KG	0	0%	0	46	0.16 U	0.12 U		
Toxaphene	UG/KG	0	0%	0	46	5.2 U	4 U		
Aroclor-1016	UG/KG	0	0%	0	46	8.5 U	6.3 U		
Aroclor-1221	UG/KG	0	0%	0	46	2.1 U	1.6 U		
Aroclor-1232	UG/KG	0	0%	0	46	13 U	9.7 U		
Aroclor-1242	UG/KG	0	0%	0	46	3.6 U	2.7 U		
Aroclor-1248	UG/KG	0	0%	0	46	9 U	6.7 U		
Aroclor-1254	UG/KG	67	4%	2	46	17 U	67		
Aroclor-1260	UG/KG	46	7%	3	46	3.3 U	2.4 U		
Metals									
Aluminum	MG/KG	13200	100%	46	46	10300	4740		
Antimony	MG/KG	8.6	35%	16	46	1.5 UJ	1.1 UJ		
Arsenic	MG/KG	104	74%	34	46	8.8	4.6		
Barium	MG/KG	207	100%	46	46	65 J	57.7 J		
Beryllium	MG/KG	0.68	96%	44	46	0.66	0.33		
Cadmium	MG/KG	6.6	35%	16	46	0.19 U	0.15 U		
Calcium	MG/KG	298000	100%	46	46	39000	72300		
Chromium	MG/KG	516	100%	46	46	25.5	10.1		
Cobalt	MG/KG	237	100%	46	46	12.3	6.8		
Copper	MG/KG	243	87%	40	46	45.4	20		
Cyanide, Amenable	MG/KG	0	0%	0	46	0.82 U	0.62 U		
Cyanide, Total	MG/KG	2.73	9%	4	46	0.82 U	0.62 U		
Iron	MG/KG	69400	100%	46	46	23800	11300		
Lead	MG/KG	122	100%	46	46	93.3	42.9		
Magnesium	MG/KG	22300	100%	46	46	8050	11300		
Manganese	MG/KG	349000	100%	46	46	1290	471		
Mercury	MG/KG	0.1	96%	44	46	0.06	0.03		

Table C-6
SOILS (SURFACE AND DITCH) SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-6	SD121I-5	SD121I-1EBS	SD121I-2EBS
Matrix						SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4006	121I-4004	EB151	EB152
Sample Depth to Top of Sample						0	0	0	0
Sample Depth to Bottom of Sample						2	2	0.2	0.2
Sample Date						11/6/02	11/6/02	3/10/98	3/10/98
QC Code						SA	SA	SA	SA
Study ID						PID-RI	PID-RI	EBS	EBS
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Nickel	MG/KG	394	100%	46	46	33.7	16.7		
Potassium	MG/KG	1450	100%	46	46	1450	886		
Selenium	MG/KG	160	52%	24	46	0.68 U	0.52 U		
Silver	MG/KG	10.5	15%	7	46	0.44 U	0.34 U		
Sodium	MG/KG	372	78%	36	46	185	264		
Thallium	MG/KG	173	24%	11	46	0.5 U	0.39 U		
Vanadium	MG/KG	217	100%	46	46	22.1	11.4		
Zinc	MG/KG	532	100%	46	46	532	100 J		
Others									
Total Organic Carbon	MG/KG	8900	100%	46	46	5400	6700		
Total Petroleum Hydrocarbons	MG/KG	2200	35%	16	46	66 U	760		

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix							SW	SW	SW	SW
Sample ID							121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	11/6/02	11/6/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/L	0	0%		0	0	8	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%		0	0	8	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2-Trichloroethane	UG/L	0	0%		0	0	8	0.62 U	0.62 U	0.62 U	0.62 U
1,1-Dichloroethane	UG/L	0	0%		0	0	8	0.66 U	0.66 U	0.66 U	0.66 U
1,1-Dichloroethene	UG/L	0	0%		0	0	8	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	UG/L	0	0%		0	0	8	0.56 U	0.56 U	0.56 U	0.56 U
1,2-Dichloropropane	UG/L	0	0%		0	0	8	0.73 U	0.73 U	0.73 U	0.73 U
Acetone	UG/L	0	0%		0	0	8	3.5 UJ	3.5 U	3.5 U	3.5 U
Benzene	UG/L	0	0%		0	0	8	0.71 U	0.71 U	0.71 U	0.71 U
Bromodichloromethane	UG/L	0	0%		0	0	8	0.73 U	0.73 U	0.73 U	0.73 U
Bromoform	UG/L	0	0%		0	0	8	0.49 U	0.49 U	0.49 U	0.49 U
Carbon disulfide	UG/L	0	0%		0	0	8	0.72 U	0.72 U	0.72 U	0.72 U
Carbon tetrachloride	UG/L	0	0%		0	0	8	0.47 U	0.47 U	0.47 U	0.47 U
Chlorobenzene	UG/L	0	0%	5	0	0	8	0.78 U	0.78 U	0.78 U	0.78 U
Chlorodibromomethane	UG/L	0	0%		0	0	8	0.66 U	0.66 U	0.66 U	0.66 U
Chloroethane	UG/L	0	0%		0	0	8	2.4 U	2.4 U	2.4 U	2.4 U
Chloroform	UG/L	0	0%		0	0	8	0.61 U	0.61 U	0.61 U	0.61 U
Cis-1,2-Dichloroethene	UG/L	0	0%		0	0	8	0.62 U	0.62 U	0.62 U	0.62 U
Cis-1,3-Dichloropropene	UG/L	0	0%		0	0	8	0.66 U	0.66 U	0.66 U	0.66 U
Ethyl benzene	UG/L	0	0%		0	0	8	0.76 U	0.76 U	0.76 U	0.76 U
Meta/Para Xylene	UG/L	0	0%		0	0	8	1.5 U	1.5 U	1.5 U	1.5 U
Methyl bromide	UG/L	0	0%		0	0	8	0.38 UJ	0.38 U	0.38 U	0.38 U
Methyl butyl ketone	UG/L	0	0%		0	0	8	0.6 U	0.6 U	0.6 U	0.6 U
Methyl chloride	UG/L	0	0%		0	0	8	0.51 U	0.51 U	0.51 U	0.51 U
Methyl ethyl ketone	UG/L	0	0%		0	0	8	2.3 U	2.3 U	2.3 U	2.3 U
Methyl isobutyl ketone	UG/L	0	0%		0	0	8	0.81 UJ	0.81 U	0.81 U	0.81 U
Methylene chloride	UG/L	0	0%		0	0	8	1.8 U	1.8 U	1.8 U	1.8 U
Ortho Xylene	UG/L	0	0%		0	0	8	0.72 U	0.72 U	0.72 U	0.72 U
Styrene	UG/L	0	0%		0	0	8	0.92 U	0.92 U	0.92 U	0.92 U

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix							SW	SW	SW	SW
Sample ID							121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	11/6/02	11/6/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/L	0	0%		0	0	8	0.7 UJ	0.7 U	0.7 U	0.7 U
Toluene	UG/L	0	0%	6000	0	0	8	0.71 U	0.71 U	0.71 U	0.71 U
Trans-1,2-Dichloroethene	UG/L	0	0%		0	0	8	0.81 U	0.81 U	0.81 U	0.81 U
Trans-1,3-Dichloropropene	UG/L	0	0%		0	0	8	0.66 U	0.66 U	0.66 U	0.66 U
Trichloroethene	UG/L	0	0%	40	0	0	8	0.72 U	0.72 U	0.72 U	0.72 U
Vinyl chloride	UG/L	0	0%		0	0	8	0.79 U	0.79 U	0.79 U	0.79 U
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	0	0%		0	0	8	10 U	10 U	10 R	10 R
2,4,6-Trichlorophenol	UG/L	0	0%		0	0	8	10 U	10 U	10 R	10 R
2,4-Dichlorophenol	UG/L	0	0%	1	0	0	8	10 U	10 U	10 R	10 R
2,4-Dimethylphenol	UG/L	0	0%	1000	0	0	8	10 U	10 U	10 R	10 R
2,4-Dinitrophenol	UG/L	0	0%	400	0	0	8	10 UJ	10 UJ	10 R	10 R
2,4-Dinitrotoluene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%		0	0	8	10 U	10 U	10 R	10 R
2-Methylnaphthalene	UG/L	0	0%	4.7	0	0	8	10 U	10 U	10 U	10 U
2-Methylphenol	UG/L	0	0%		0	0	8	10 UJ	10 U	10 R	10 R
2-Nitroaniline	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
2-Nitrophenol	UG/L	0	0%		0	0	8	10 U	10 U	10 R	10 R
3 or 4-Methylphenol	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
3-Nitroaniline	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 UJ
4,6-Dinitro-2-methylphenol	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 R	10 R
4-Bromophenyl phenyl ether	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 UJ
4-Chloro-3-methylphenol	UG/L	0	0%		0	0	8	10 U	10 U	10 R	10 R

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix							SW	SW	SW	SW
Sample ID							121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	11/6/02	11/6/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 UJ
4-Nitrophenol	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 R	10 R
Acenaphthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Anthracene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl)ether	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	0.6	0	0	8	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	1.1	13%		0	1	8	10 U	1.1 J	10 U	10 U
Carbazole	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
Chrysene	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 UJ
Di-n-octylphthalate	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
Dibenzofuran	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%		0	0	8	10 U	10 UJ	10 U	10 U
Dimethylphthalate	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	1.1	13%		0	1	8	10 U	10 U	10 U	10 U
Fluorene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.00003	0	0	8	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	UG/L	0	0%	0.01	0	0	8	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	0	0%	0.45	0	0	8	10 U	10 UJ	10 U	10 UJ

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID								SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix								SW	SW	SW	SW
Sample ID								121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample								0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A
Sample Date								11/6/02	11/6/02	11/6/02	11/6/02
QC Code								SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachloroethane	UG/L	0	0%	0.6	0	0	8	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 U
Isophorone	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 UJ
N-Nitrosodipropylamine	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Naphthalene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	0	0	8	10 UJ	10 UJ	10 R	10 R
Phenanthrene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Phenol	UG/L	0	0%	5	0	0	8	10 U	10 U	10 R	10 R
Pyrene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 UJ
Pesticides/PCBs											
4,4'-DDD	UG/L	0	0%	0.00008	0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
4,4'-DDE	UG/L	0	0%	0.000007	0	0	8	0.005 U	0.005 U	0.005 U	0.005 U
4,4'-DDT	UG/L	0	0%	0.00001	0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Aldrin	UG/L	0	0%	0.001	0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Alpha-BHC	UG/L	0	0%		0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Alpha-Chlordane	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Beta-BHC	UG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Chlordane	UG/L	0	0%		0	0	8	0.13 U	0.13 U	0.13 U	0.13 U
Delta-BHC	UG/L	0	0%		0	0	8	0.004 U	0.004 U	0.004 U	0.004 U
Dieldrin	UG/L	0	0%	0.0000006	0	0	8	0.009 U	0.009 U	0.009 U	0.009 U
Endosulfan I	UG/L	0	0%	0.009	0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan II	UG/L	0	0%	0.009	0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Endosulfan sulfate	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	UG/L	0	0%	0.002	0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Endrin aldehyde	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Endrin ketone	UG/L	0	0%		0	0	8	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-BHC/Lindane	UG/L	0	0%		0	0	8	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-Chlordane	UG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID								SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix								SW	SW	SW	SW
Sample ID								121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample								0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A
Sample Date								11/6/02	11/6/02	11/6/02	11/6/02
QC Code								SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Heptachlor	UG/L	0	0%	0.0002	0	0	8	0.007 U	0.007 U	0.007 U	0.007 U
Heptachlor epoxide	UG/L	0	0%	0.0003	0	0	8	0.008 U	0.008 U	0.008 U	0.008 U
Methoxychlor	UG/L	0	0%	0.03	0	0	8	0.008 U	0.008 U	0.008 U	0.008 U
Toxaphene	UG/L	0	0%	0.000006	0	0	8	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1016	UG/L	0	0%	0.000001	0	0	8	0.24 UJ	0.24 UJ	0.24 UJ	0.24 UJ
Aroclor-1221	UG/L	0	0%	0.000001	0	0	8	0.08 U	0.08 U	0.08 U	0.08 U
Aroclor-1232	UG/L	0	0%	0.000001	0	0	8	0.09 UJ	0.09 UJ	0.09 UJ	0.09 UJ
Aroclor-1242	UG/L	0	0%		0	0	8	0.08 UJ	0.08 UJ	0.08 UJ	0.08 UJ
Aroclor-1248	UG/L	0	0%	0.000001	0	0	8	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1254	UG/L	0	0%	0.000001	0	0	8	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	UG/L	0	0%	0.000001	0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Metals											
Aluminum	UG/L	2050	100%	100	3	8	8	37.6	**1490**	23.9	43.5
Antimony	UG/L	0	0%		0	0	8	4.7 U	4.7 U	4.7 U	4.7 U
Arsenic	UG/L	0	0%	150	0	0	8	2.8 U	2.8 U	2.8 U	2.8 U
Barium	UG/L	49.2	75%		0	6	8	49.2	48.9	33.8	33.2
Beryllium	UG/L	0.28	75%	1100	0	6	8	0.21	0.26	0.16	0.16
Cadmium	UG/L	0.54	13%	3.84	0	1	8	0.4 U	0.54	0.4 U	0.4 U
Calcium	UG/L	74200	100%		0	8	8	74200	56600	60900	61100
Chromium	UG/L	6	63%	139.45	0	5	8	1.9	4.3	1.1	0.6 U
Cobalt	UG/L	3	25%	5	0	2	8	0.6 U	2.8	0.6 U	0.6 U
Copper	UG/L	11.2	75%	17.32	0	6	8	1.4	7.2	1.2	2
Cyanide, Amenable	MG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Iron	UG/L	3410	75%	300	2	6	8	32.3 J	**3080**	17.3 U	17.3 U
Lead	UG/L	26.3	50%	1.4624632	4	4	8	2.1 U	**21**	**4.3** J	2.1 U
Magnesium	UG/L	11100	100%		0	8	8	11100	7240	7790	9700
Manganese	UG/L	206	100%		0	8	8	18	139	0.8	1.7
Mercury	UG/L	0	0%	0.0007	0	0	8	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	3.6	25%	99.92	0	2	8	1.8 U	3.5	1.8 U	1.8 U

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID								SW121I-1	SW121I-10	SW121I-2	SW121I-3
Matrix								SW	SW	SW	SW
Sample ID								121I-3000	121I-3010	121I-3001	121I-3002
Sample Depth to Top of Sample								0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A
Sample Date								11/6/02	11/6/02	11/6/02	11/6/02
QC Code								SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Potassium	UG/L	4640	100%		0	8	8	2400 J	3200 J	1700 J	1290 J
Selenium	UG/L	3.1	25%	4.6	0	2	8	3 U	3 U	3 U	3 U
Silver	UG/L	0	0%	0.1	0	0	8	1 U	1 U	1 U	1 U
Sodium	UG/L	38500	100%		0	8	8	18700 J	38500 J	14900 J	30900 J
Thallium	UG/L	0	0%	8	0	0	8	5.4 U	5.4 U	5.4 U	5.4 U
Vanadium	UG/L	3.9	38%	14	0	3	8	2.1	3.3	0.7 U	0.7 U
Zinc	UG/L	190	100%	159.25	1	8	8	15.9	54.1	12.5	16.4
Others											
Total Petroleum Hydrocarbons	MG/L	0	0%		0	0	8	1 U	1 U	1 U	1 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration is above action level.

1. Action levels are from the New York State Ambient Water Quality Standards, Class C for Surface Water.

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix							SW	SW	SW	SW
Sample ID							121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	10/26/02	10/26/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Volatile Organics											
1,1,1-Trichloroethane	UG/L	0	0%		0	0	8	0.75 U	0.75 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	0	0%		0	0	8	0.7 U	0.7 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	0	0%		0	0	8	0.62 U	0.62 U	5 U	5 U
1,1-Dichloroethane	UG/L	0	0%		0	0	8	0.66 U	0.66 U	5 U	5 U
1,1-Dichloroethene	UG/L	0	0%		0	0	8	0.69 U	0.69 U	5 U	5 U
1,2-Dichloroethane	UG/L	0	0%		0	0	8	0.56 U	0.56 U	5 U	5 U
1,2-Dichloropropane	UG/L	0	0%		0	0	8	0.73 U	0.73 U	5 U	5 U
Acetone	UG/L	0	0%		0	0	8	3.5 U	3.5 U	5 UJ	5 UJ
Benzene	UG/L	0	0%		0	0	8	0.71 U	0.71 U	5 U	5 U
Bromodichloromethane	UG/L	0	0%		0	0	8	0.73 U	0.73 U	5 U	5 U
Bromoform	UG/L	0	0%		0	0	8	0.49 U	0.49 U	5 U	5 U
Carbon disulfide	UG/L	0	0%		0	0	8	0.72 U	0.72 U	5 U	5 U
Carbon tetrachloride	UG/L	0	0%		0	0	8	0.47 U	0.47 U	5 U	5 U
Chlorobenzene	UG/L	0	0%	5	0	0	8	0.78 U	0.78 U	5 U	5 U
Chlorodibromomethane	UG/L	0	0%		0	0	8	0.66 U	0.66 U	5 UJ	5 UJ
Chloroethane	UG/L	0	0%		0	0	8	2.4 U	2.4 U	5 UJ	5 UJ
Chloroform	UG/L	0	0%		0	0	8	0.61 U	0.61 U	5 U	5 U
Cis-1,2-Dichloroethene	UG/L	0	0%		0	0	8	0.62 U	0.62 U	5 U	5 U
Cis-1,3-Dichloropropene	UG/L	0	0%		0	0	8	0.66 U	0.66 U	5 U	5 U
Ethyl benzene	UG/L	0	0%		0	0	8	0.76 U	0.76 U	5 U	5 U
Meta/Para Xylene	UG/L	0	0%		0	0	8	1.5 U	1.5 U	5 U	5 U
Methyl bromide	UG/L	0	0%		0	0	8	0.38 U	0.38 U	5 U	5 U
Methyl butyl ketone	UG/L	0	0%		0	0	8	0.6 U	0.6 U	5 U	5 U
Methyl chloride	UG/L	0	0%		0	0	8	0.51 U	0.51 U	5 U	5 U
Methyl ethyl ketone	UG/L	0	0%		0	0	8	2.3 U	2.3 U	5 UJ	5 UJ
Methyl isobutyl ketone	UG/L	0	0%		0	0	8	0.81 U	0.81 U	5 U	5 U
Methylene chloride	UG/L	0	0%		0	0	8	1.8 U	1.8 U	5 U	5 U
Ortho Xylene	UG/L	0	0%		0	0	8	0.72 U	0.72 U	5 U	5 U
Styrene	UG/L	0	0%		0	0	8	0.92 U	0.92 U	5 U	5 U

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix							SW	SW	SW	SW
Sample ID							121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	10/26/02	10/26/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/L	0	0%		0	0	8	0.7 U	0.7 U	5 U	5 U
Toluene	UG/L	0	0%	6000	0	0	8	0.71 U	0.71 U	5 U	5 U
Trans-1,2-Dichloroethene	UG/L	0	0%		0	0	8	0.81 U	0.81 U	5 U	5 U
Trans-1,3-Dichloropropene	UG/L	0	0%		0	0	8	0.66 U	0.66 U	5 UJ	5 UJ
Trichloroethene	UG/L	0	0%	40	0	0	8	0.72 U	0.72 U	5 U	5 U
Vinyl chloride	UG/L	0	0%		0	0	8	0.79 U	0.79 U	5 UJ	5 UJ
Semivolatile Organic Compounds											
1,2,4-Trichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 UJ
1,2-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	0	0%	5	0	0	8	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 R
2,4,6-Trichlorophenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 R
2,4-Dichlorophenol	UG/L	0	0%	1	0	0	8	10 R	10 U	10 U	10 R
2,4-Dimethylphenol	UG/L	0	0%	1000	0	0	8	10 R	10 U	10 U	10 R
2,4-Dinitrophenol	UG/L	0	0%	400	0	0	8	10 R	10 UJ	10 UJ	10 R
2,4-Dinitrotoluene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 R
2-Methylnaphthalene	UG/L	0	0%	4.7	0	0	8	10 U	10 U	10 U	10 U
2-Methylphenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 U
2-Nitroaniline	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 UJ	10 U
2-Nitrophenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 R
3 or 4-Methylphenol	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 R
3-Nitroaniline	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	0	0%		0	0	8	10 R	10 UJ	10 U	10 R
4-Bromophenyl phenyl ether	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
4-Chloro-3-methylphenol	UG/L	0	0%		0	0	8	10 R	10 U	10 U	10 R

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix							SW	SW	SW	SW
Sample ID							121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	10/26/02	10/26/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
4-Chlorophenyl phenyl ether	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
4-Nitrophenol	UG/L	0	0%		0	0	8	10 R	10 UJ	10 U	10 R
Acenaphthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Anthracene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Benzo(k)fluoranthene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)ether	UG/L	0	0%		0	0	8	10 U	10 U	10 UJ	10 UJ
Bis(2-Chloroisopropyl)ether	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	UG/L	0	0%	0.6	0	0	8	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	1.1	13%		0	1	8	10 U	10 U	10 U	10 U
Carbazole	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Chrysene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Di-n-butylphthalate	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Di-n-octylphthalate	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Dibenzofuran	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Diethyl phthalate	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Dimethylphthalate	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	1.1	13%		0	1	8	10 U	1.1 J	10 U	10 U
Fluorene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	0	0%	0.00003	0	0	8	10 UJ	10 UJ	10 U	10 U
Hexachlorobutadiene	UG/L	0	0%	0.01	0	0	8	10 U	10 U	10 UJ	10 UJ
Hexachlorocyclopentadiene	UG/L	0	0%	0.45	0	0	8	10 UJ	10 UJ	10 UJ	10 UJ

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility							SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID							SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix							SW	SW	SW	SW
Sample ID							121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample							0	0	0	0
Sample Depth to Bottom of Sample							N/A	N/A	N/A	N/A
Sample Date							11/6/02	11/6/02	10/26/02	10/26/02
QC Code							SA	SA	SA	SA
Study ID							PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Hexachloroethane	UG/L	0	0%	0.6	0	0	8	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 UJ
Isophorone	UG/L	0	0%		0	0	8	10 U	10 U	10 UJ	10 U
N-Nitrosodiphenylamine	UG/L	0	0%		0	0	8	10 U	10 U	10 UJ	10 UJ
N-Nitrosodipropylamine	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Naphthalene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	0	0%	1	0	0	8	10 R	10 UJ	10 U	10 R
Phenanthrene	UG/L	0	0%		0	0	8	10 U	10 U	10 U	10 U
Phenol	UG/L	0	0%	5	0	0	8	10 R	10 U	10 U	10 R
Pyrene	UG/L	0	0%		0	0	8	10 UJ	10 UJ	10 U	10 U
Pesticides/PCBs											
4,4'-DDD	UG/L	0	0%	0.00008	0	0	8	0.01 U	0.01 U	0.01 UJ	0.01 UJ
4,4'-DDE	UG/L	0	0%	0.000007	0	0	8	0.005 U	0.005 U	0.005 UJ	0.005 UJ
4,4'-DDT	UG/L	0	0%	0.00001	0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Aldrin	UG/L	0	0%	0.001	0	0	8	0.02 U	0.02 U	0.02 UJ	0.02 UJ
Alpha-BHC	UG/L	0	0%		0	0	8	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ
Alpha-Chlordane	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 UJ	0.02 UJ
Beta-BHC	UG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 UJ	0.01 UJ
Chlordane	UG/L	0	0%		0	0	8	0.13 U	0.13 U	0.13 U	0.13 U
Delta-BHC	UG/L	0	0%		0	0	8	0.004 U	0.004 U	0.004 UJ	0.004 UJ
Dieldrin	UG/L	0	0%	0.0000006	0	0	8	0.009 U	0.009 U	0.009 UJ	0.009 UJ
Endosulfan I	UG/L	0	0%	0.009	0	0	8	0.01 U	0.01 U	0.01 UJ	0.01 UJ
Endosulfan II	UG/L	0	0%	0.009	0	0	8	0.01 UJ	0.01 UJ	0.01 U	0.01 U
Endosulfan sulfate	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	UG/L	0	0%	0.002	0	0	8	0.02 U	0.02 U	0.02 UJ	0.02 UJ
Endrin aldehyde	UG/L	0	0%		0	0	8	0.02 U	0.02 U	0.02 U	0.02 U
Endrin ketone	UG/L	0	0%		0	0	8	0.009 U	0.009 U	0.009 U	0.009 U
Gamma-BHC/Lindane	UG/L	0	0%		0	0	8	0.009 U	0.009 U	0.009 UJ	0.009 UJ
Gamma-Chlordane	UG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 UJ	0.01 UJ

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID								SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix								SW	SW	SW	SW
Sample ID								121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample								0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A
Sample Date								11/6/02	11/6/02	10/26/02	10/26/02
QC Code								SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Heptachlor	UG/L	0	0%	0.0002	0	0	8	0.007 U	0.007 U	0.007 UJ	0.007 UJ
Heptachlor epoxide	UG/L	0	0%	0.0003	0	0	8	0.008 U	0.008 U	0.008 UJ	0.008 UJ
Methoxychlor	UG/L	0	0%	0.03	0	0	8	0.008 U	0.008 U	0.008 U	0.008 U
Toxaphene	UG/L	0	0%	0.000006	0	0	8	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1016	UG/L	0	0%	0.000001	0	0	8	0.24 UJ	0.24 UJ	0.5 UJ	0.5 UJ
Aroclor-1221	UG/L	0	0%	0.000001	0	0	8	0.08 U	0.08 U	0.5 U	0.5 U
Aroclor-1232	UG/L	0	0%	0.000001	0	0	8	0.09 UJ	0.09 UJ	0.5 UJ	0.5 UJ
Aroclor-1242	UG/L	0	0%		0	0	8	0.08 UJ	0.08 UJ	0.5 U	0.5 U
Aroclor-1248	UG/L	0	0%	0.000001	0	0	8	0.12 U	0.12 U	0.5 U	0.5 U
Aroclor-1254	UG/L	0	0%	0.000001	0	0	8	0.05 U	0.05 U	0.5 U	0.5 U
Aroclor-1260	UG/L	0	0%	0.000001	0	0	8	0.01 UJ	0.01 UJ	0.5 UJ	0.5 UJ
Metals											
Aluminum	UG/L	2050	100%	100	3	8	8	**119**	**2050**	45.8	46.3
Antimony	UG/L	0	0%		0	0	8	4.7 U	4.7 U	3.8 U	3.8 U
Arsenic	UG/L	0	0%	150	0	0	8	2.8 U	2.8 U	4.5 U	4.5 U
Barium	UG/L	49.2	75%		0	6	8	29.3	22.5	9.9 U	9.9 U
Beryllium	UG/L	0.28	75%	1100	0	6	8	0.14	0.28	0.1 U	0.1 U
Cadmium	UG/L	0.54	13%	3.84	0	1	8	0.4 U	0.4 U	0.8 U	0.8 U
Calcium	UG/L	74200	100%		0	8	8	33500	67200	18300	17700
Chromium	UG/L	6	63%	139.45	0	5	8	1.5	6	1.4 U	1.4 U
Cobalt	UG/L	3	25%	5	0	2	8	0.6 U	3	0.7 U	0.7 U
Copper	UG/L	11.2	75%	17.32	0	6	8	5	11.2	3.6 U	3.6 U
Cyanide, Amenable	MG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Cyanide, Total	MG/L	0	0%		0	0	8	0.01 U	0.01 U	0.01 U	0.01 U
Iron	UG/L	3410	75%	300	2	6	8	90.1 J	**3410**	41.8 J	41.8 J
Lead	UG/L	26.3	50%	1.4624632	4	4	8	**6.6** J	**26.3**	3 U	3 U
Magnesium	UG/L	11100	100%		0	8	8	4130	7290	3660	3610
Manganese	UG/L	206	100%		0	8	8	43	206	5.3	3
Mercury	UG/L	0	0%	0.0007	0	0	8	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	3.6	25%	99.92	0	2	8	1.8 U	3.6	2 U	2 U

Table C-7
SURFACE WATER SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility								SEAD-121I	SEAD-121I	SEAD-121I	SEAD-121I
Location ID								SW121I-5	SW121I-6	SW121I-7	SW121I-7
Matrix								SW	SW	SW	SW
Sample ID								121I-3004	121I-3006	121I-3007	121I-3005
Sample Depth to Top of Sample								0	0	0	0
Sample Depth to Bottom of Sample								N/A	N/A	N/A	N/A
Sample Date								11/6/02	11/6/02	10/26/02	10/26/02
QC Code								SA	SA	SA	SA
Study ID								PID-RI	PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Action Level[1]	Number of Exceedances	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)	Value (Q)
Potassium	UG/L	4640	100%		0	8	8	3050 J	4640 J	630	660
Selenium	UG/L	3.1	25%	4.6	0	2	8	3 U	3 U	3.1 J	1.8 J
Silver	UG/L	0	0%	0.1	0	0	8	1 U	1 U	3.7 U	3.7 U
Sodium	UG/L	38500	100%		0	8	8	3400	4810	2180	2300
Thallium	UG/L	0	0%	8	0	0	8	5.4 U	5.4 U	5.3 U	5.3 U
Vanadium	UG/L	3.9	38%	14	0	3	8	0.7 U	3.9	1.4 UJ	1.4 UJ
Zinc	UG/L	190	100%	159.25	1	8	8	32.9	**190**	14.7 J	13.8 J
Others											
Total Petroleum Hydrocarbons	MG/L	0	0%		0	0	8	1 U	1 U	0.412 UJ	0.408 UJ

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate

Shading indicates concentration is above action level.

1. Action levels are from the New York State Ambient Water Quality Standards, Class C for Surface Water.

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
Volatile Organics								
1,1,1-Trichloroethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
1,1,2,2-Tetrachloroethane	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
1,1,2-Trichloroethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
1,1-Dichloroethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
1,1-Dichloroethene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
1,2-Dichloroethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
1,2-Dichloropropane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Acetone	UG/KG	30	100%	3	3	30	8	9.9
Benzene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Bromodichloromethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Bromoform	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Carbon disulfide	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
Carbon tetrachloride	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Chlorobenzene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 U
Chlorodibromomethane	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Chloroethane	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
Chloroform	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Cis-1,2-Dichloroethene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 UJ
Cis-1,3-Dichloropropene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Ethyl benzene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 U
Meta/Para Xylene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Methyl bromide	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Methyl butyl ketone	UG/KG	0	0%	0	3	3.8 UJ	3.2 U	3.3 UJ
Methyl chloride	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Methyl ethyl ketone	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Methyl isobutyl ketone	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
Methylene chloride	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
Ortho Xylene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Styrene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 U

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
Tetrachloroethene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 U
Toluene	UG/KG	0	0%	0	3	3.8 U	3.2 UJ	3.3 U
Trans-1,2-Dichloroethene	UG/KG	0	0%	0	3	3.8 UJ	3.2 UJ	3.3 UJ
Trans-1,3-Dichloropropene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Trichloroethene	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Vinyl chloride	UG/KG	0	0%	0	3	3.8 U	3.2 U	3.3 U
Semivolatile Organic Compounds								
1,2,4-Trichlorobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
1,2-Dichlorobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
1,3-Dichlorobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
1,4-Dichlorobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
2,4,5-Trichlorophenol	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
2,4,6-Trichlorophenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
2,4-Dichlorophenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
2,4-Dimethylphenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
2,4-Dinitrophenol	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
2,4-Dinitrotoluene	UG/KG	0	0%	0	3	460 U	380 U	430 U
2,6-Dinitrotoluene	UG/KG	0	0%	0	3	460 U	380 U	430 U
2-Chloronaphthalene	UG/KG	0	0%	0	3	460 U	380 U	430 U
2-Chlorophenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
2-Methylnaphthalene	UG/KG	0	0%	0	3	460 U	380 U	430 U
2-Methylphenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
2-Nitroaniline	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
2-Nitrophenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
3 or 4-Methylphenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
3,3'-Dichlorobenzidine	UG/KG	0	0%	0	3	460 U	380 U	430 U
3-Nitroaniline	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
4,6-Dinitro-2-methylphenol	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
4-Bromophenyl phenyl ether	UG/KG	0	0%	0	3	460 U	380 U	430 U
4-Chloro-3-methylphenol	UG/KG	0	0%	0	3	460 U	380 U	430 U

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
4-Chloroaniline	UG/KG	0	0%	0	3	460 U	380 U	430 U
4-Chlorophenyl phenyl ether	UG/KG	0	0%	0	3	460 UJ	380 U	430 U
4-Nitroaniline	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
4-Nitrophenol	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
Acenaphthene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Acenaphthylene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Anthracene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Benzo(a)anthracene	UG/KG	49	33%	1	3	460 U	380 U	49 J
Benzo(a)pyrene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Benzo(b)fluoranthene	UG/KG	45	67%	2	3	460 U	45 J	44 J
Benzo(ghi)perylene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Benzo(k)fluoranthene	UG/KG	0	0%	0	3	460 UJ	380 U	430 U
Bis(2-Chloroethoxy)methane	UG/KG	0	0%	0	3	460 U	380 U	430 U
Bis(2-Chloroethyl)ether	UG/KG	0	0%	0	3	460 U	380 U	430 U
Bis(2-Chloroisopropyl)ether	UG/KG	0	0%	0	3	460 U	380 U	430 U
Bis(2-Ethylhexyl)phthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Butylbenzylphthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Carbazole	UG/KG	0	0%	0	3	460 U	380 U	430 U
Chrysene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Di-n-butylphthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Di-n-octylphthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Dibenz(a,h)anthracene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Dibenzofuran	UG/KG	0	0%	0	3	460 UJ	380 U	430 U
Diethyl phthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Dimethylphthalate	UG/KG	0	0%	0	3	460 U	380 U	430 U
Fluoranthene	UG/KG	130	67%	2	3	460 U	99 J	130 J
Fluorene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Hexachlorobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Hexachlorobutadiene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Hexachlorocyclopentadiene	UG/KG	0	0%	0	3	460 UJ	380 U	430 U

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
Hexachloroethane	UG/KG	0	0%	0	3	460 U	380 U	430 U
Indeno(1,2,3-cd)pyrene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Isophorone	UG/KG	0	0%	0	3	460 U	380 U	430 U
N-Nitrosodiphenylamine	UG/KG	0	0%	0	3	460 U	380 U	430 U
N-Nitrosodipropylamine	UG/KG	0	0%	0	3	460 UJ	380 U	430 U
Naphthalene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Nitrobenzene	UG/KG	0	0%	0	3	460 U	380 U	430 U
Pentachlorophenol	UG/KG	0	0%	0	3	1100 U	960 U	1100 U
Phenanthrene	UG/KG	93	67%	2	3	460 U	50 J	93 J
Phenol	UG/KG	0	0%	0	3	460 U	380 U	430 U
Pyrene	UG/KG	93	67%	2	3	460 U	78 J	93 J
Pesticides/PCBs								
4,4'-DDD	UG/KG	0	0%	0	3	0.28 UJ	0.24 U	0.26 U
4,4'-DDE	UG/KG	0	0%	0	3	0.28 U	0.24 U	0.26 U
4,4'-DDT	UG/KG	0	0%	0	3	0.28 UJ	0.24 UJ	0.26 UJ
Aldrin	UG/KG	0	0%	0	3	0.14 UJ	0.12 U	0.13 U
Alpha-BHC	UG/KG	0	0%	0	3	1.7 UJ	1.4 UJ	1.6 UJ
Alpha-Chlordane	UG/KG	0	0%	0	3	0.42 UJ	0.35 R	0.39 UJ
Beta-BHC	UG/KG	0	0%	0	3	0.14 U	0.12 U	0.13 U
Chlordane	UG/KG	0	0%	0	3	2.6 U	2.2 U	2.5 U
Delta-BHC	UG/KG	0	0%	0	3	0.28 UJ	0.24 UJ	0.26 UJ
Dieldrin	UG/KG	0	0%	0	3	0.14 UJ	0.12 UJ	0.13 UJ
Endosulfan I	UG/KG	0	0%	0	3	0.69 UJ	0.59 R	0.66 UJ
Endosulfan II	UG/KG	0	0%	0	3	0.42 UJ	0.35 U	0.39 U
Endosulfan sulfate	UG/KG	0	0%	0	3	0.83 UJ	0.71 U	0.79 U
Endrin	UG/KG	0	0%	0	3	1.1 UJ	0.94 U	1.1 U
Endrin aldehyde	UG/KG	0	0%	0	3	1.1 UJ	0.94 UJ	1.1 UJ
Endrin ketone	UG/KG	0	0%	0	3	0.14 UJ	0.12 U	0.13 U
Gamma-BHC/Lindane	UG/KG	0	0%	0	3	0.14 UJ	0.12 UJ	0.13 UJ
Gamma-Chlordane	UG/KG	0	0%	0	3	0.42 UJ	0.35 UJ	0.39 UJ

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
Heptachlor	UG/KG	1.4	50%	0	3	1.4 U	1.2 U	1.3 U
Heptachlor epoxide	UG/KG	0	0%	0	3	0.42 U	0.35 R	0.39 U
Methoxychlor	UG/KG	0	0%	0	3	0.14 U	0.12 U	0.13 U
Toxaphene	UG/KG	0	0%	0	3	4.4 U	3.8 U	4.2 U
Aroclor-1016	UG/KG	0	0%	0	3	7.2 U	6.1 U	6.8 U
Aroclor-1221	UG/KG	0	0%	0	3	1.8 U	1.5 U	1.7 U
Aroclor-1232	UG/KG	0	0%	0	3	11 U	9.4 U	10 U
Aroclor-1242	UG/KG	0	0%	0	3	3 U	2.6 U	2.9 U
Aroclor-1248	UG/KG	0	0%	0	3	7.6 U	6.4 U	7.2 U
Aroclor-1254	UG/KG	0	0%	0	3	15 U	12 U	14 U
Aroclor-1260	UG/KG	0	0%	0	3	2.8 U	2.3 U	2.6 U
Metals								
Aluminum	MG/KG	8790	100%	3	3	8790	4180	6930
Antimony	MG/KG	0	0%	0	3	1.2 UJ	1 UJ	1.2 UJ
Arsenic	MG/KG	7.7	100%	3	3	7.7	2.6	4
Barium	MG/KG	53.7	100%	3	3	47.8 J	44.1 J	53.7 J
Beryllium	MG/KG	0.52	100%	3	3	0.52	0.31	0.42
Cadmium	MG/KG	0	0%	0	3	0.16 U	0.14 U	0.16 U
Calcium	MG/KG	36500	100%	3	3	17000	36500	33200
Chromium	MG/KG	15.6	100%	3	3	15.6	8.6	11.7
Cobalt	MG/KG	10.3	100%	3	3	10.3	5.9	9.3
Copper	MG/KG	23.1	100%	3	3	17.1 J	23.1	22.9
Cyanide, Amenable	MG/KG	0	0%	0	3	0.69 UJ	0.59 U	0.66 U
Cyanide, Total	MG/KG	0	0%	0	3	0.69 UJ	0.59 U	0.66 U
Iron	MG/KG	19800	100%	3	3	19800 J	10100	16600
Lead	MG/KG	22.4	100%	3	3	11.2 J	22.4	17.8
Magnesium	MG/KG	7540	100%	3	3	4480 J	3530	7540
Manganese	MG/KG	478	100%	3	3	478 J	303	399
Mercury	MG/KG	0.18	100%	3	3	0.04 J	0.02	0.18
Nickel	MG/KG	24.4	100%	3	3	24.3 J	16.4	24.4

Table C-8
DOWNGRADIENT DITCH SOIL SAMPLE RESULTS
SEAD-121I

SEAD-121C and SEAD-121I Field Sampling Report
Seneca Army Depot Activity

Facility						SEAD-121I	SEAD-121I	SEAD-121I
Location ID						SD121I-1	SD121I-2	SD121I-3
Matrix						SEDIMENT	SEDIMENT	SEDIMENT
Sample ID						121I-4000	121I-4001	121I-4002
Sample Depth to Top of Sample						0	0	0
Sample Depth to Bottom of Sample						2	2	2
Sample Date						11/6/02	11/6/02	11/6/02
QC Code						SA	SA	SA
Study ID						PID-RI	PID-RI	PID-RI
Parameter	Units	Maximum Detect	Frequency of Detection	Number of Detects	Number of Analyses	Value (Q)	Value (Q)	Value (Q)
Potassium	MG/KG	818	100%	3	3	723 J	541	818
Selenium	MG/KG	0	0%	0	3	0.57 UJ	0.48 U	0.55 U
Silver	MG/KG	0	0%	0	3	0.37 UJ	0.31 U	0.36 U
Sodium	MG/KG	209	100%	3	3	184 J	186	209
Thallium	MG/KG	0	0%	0	3	0.42 UJ	0.36 U	0.41 U
Vanadium	MG/KG	13.4	100%	3	3	13.4 J	8.1	12.4
Zinc	MG/KG	132	100%	3	3	57.3 J	59.3 J	132 J
Others								
Total Organic Carbon	MG/KG	7200	100%	3	3	7200 J	4400	2800
Total Petroleum Hydrocarbons	MG/KG	150	33%	1	3	55 UJ	150	52 U

Note(s):
U = compound was not detected
J = the reported value is an estimated concentration
UJ = the compound was not detected; the associated reporting limit is approximate
R = the data was rejected in the data validating process
NJ = compound was "tentatively identified" and the associated numerical value is approximate