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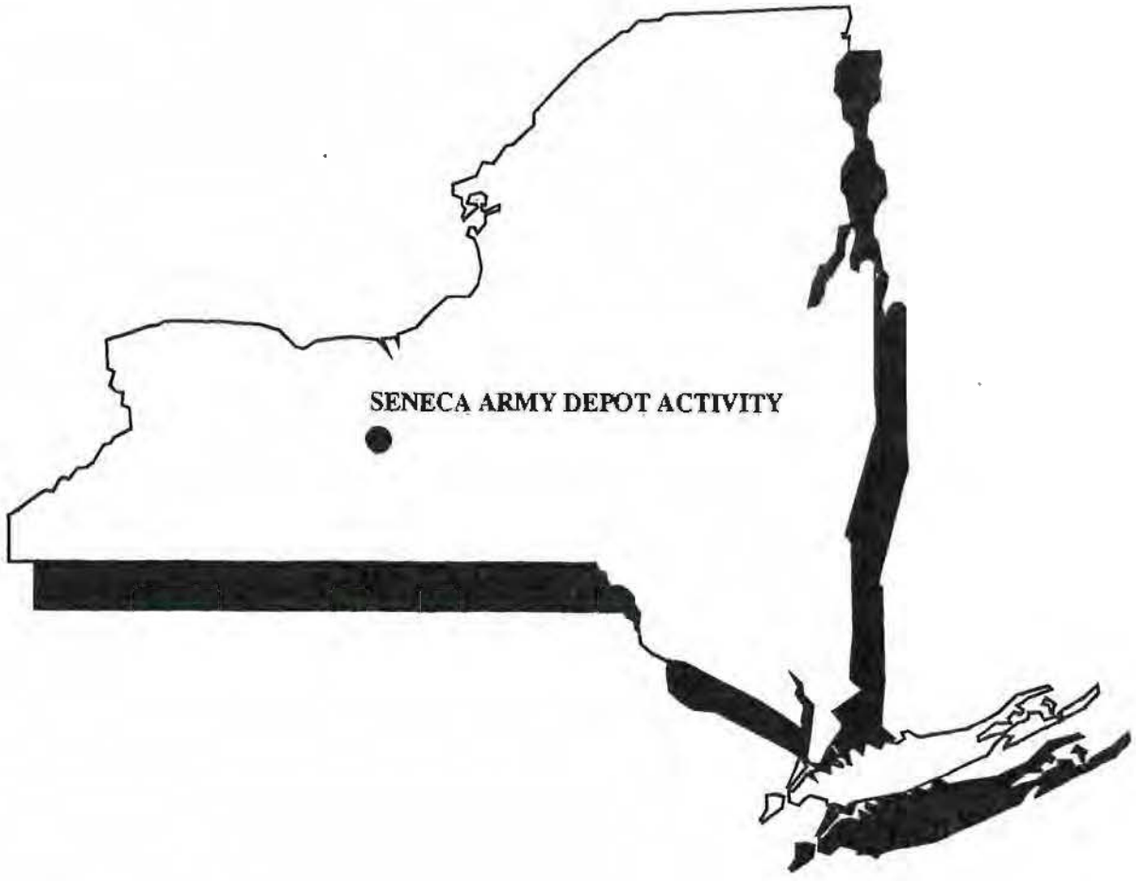
HUNTSVILLE, ALABAMA



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INVESTIGATION OF ENVIRONMENTAL BASELINE SURVEY NON-EVALUATED SITES

SEAD-121(A,B,C,D,E,F,G,H,I)

JULY 1998

Investigation of
9 Low
Environmental Baseline Survey
Non-Evaluated Sites
SEAD-121 (A,B,C,D,E,F,G,H,I)

at

Seneca Army Depot Activity

Romulus, New York 01454

July 17, 1998

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1.0 INTRODUCTION

1.1 SENECA ARMY DEPOT ACTIVITY

Seneca Army Depot Activity (SEDA) is a U.S. Army facility located in Seneca County, New York. The Depot occupies approximately 10,600 acres. It is bounded on the east by Route 96 and on the west by Route 96A. Most of the surrounding land is used for farming.

Construction at SEDA began in 1941. Its mission included reception, storage, and distribution of ammunition and explosives, GSA and strategic materials and Office of Civil Defense engineering equipment. It also included providing receipt, storage and issue of items that supported special weapons activity and performance of depot-level maintenance, demilitarization and surveillance on conventional ammunition and special weapons.

1.2 BRAC AND ENVIRONMENTAL BASELINE SURVEY

SEDA was included on the Federal Facilities National Priorities List on July 13, 1989. In March 1995, the Base Realignment and Closure Commission (BRAC) submitted its recommendation that SEAD be selected for closure. This recommendation was subsequently approved in 1996. The Base Realignment and Closure Act requires environmental issues to be investigated, pursuant to CERCLA.

An Environmental Baseline Survey Report (Woodward Clyde, 1996) was prepared for SEDA. The EBS classified discrete areas of real property associated with the Depot, which are subject to transfer or lease, into standard environmental condition of property types. The determination that a specific property is environmentally suitable for transfer or lease is established under the FOST/FOSL guidance.

As part of continuing work after the completion of the EBS, additional sampling and analyses was necessary at selected non-evaluated sites at SEDA to determine their environmental condition. Most of the non-evaluated sites were initially identified in the EBS, however, some sites were added to the list to be evaluated because of rumor or speculation that a release(s) had occurred. The Land Reuse Authority (LRA) identified "SEAD" area 121 as Low Priority status, based on the need for transfer or lease of these areas. Thus, this area is presented in this report. Most of the "SEAD" area designations are actually composed of several individuals sites, which are designated by sequential letters of the alphabet (e.g., SEAD-121A, -121B, -121C, etc.). The 9 Low Priority Non-Evaluated EBS sites, whose locations within the Depot are shown on Figure 1-1, are listed in the Table 1-1 (on the following page).

1.3 TECHNICAL APPROACH FOR INVESTIGATION OF NON-EVALUATED EBS SITES

The process by which the sites within these areas were investigated is diagrammed in the Seneca Army Depot Decision Criteria Flow Chart (Figure 1-2). This flow chart provides the overall guidance for investigating and remediating sites at SEDA. The limited sampling and analysis program was designed to provide initial data so that an impact analysis could be performed. The impact analysis involved a comparison to applicable NYSDEC standard/criteria or guidance (SCG) (Soil: TAGMs; Groundwater: GA; Sediment: Benthic Aquatic Life/Human Health). If the SCGs were exceeded, then a comparison to Preliminary Remediation Goals (PRG)s was performed. The type of PRG values used was based on the intended use of the property, which was established in the EBS. At SEAD-121 (B, C, D, E, F, and H) "Industrial PRGs" were used. At SEAD-121G, which is within the bounds of the "Housing" future use designation in the EBS Report, "Residential PRGs" were used. Drinking Water (DW) PRGs were used for groundwater. Note that no samples were collected at SEAD-121A.

The samples were collected in source areas that were believed to have been most impacted (i.e., had the highest chemical concentrations) compared to other locations within the site. The evaluation at each site included collecting a limited amount of soil data, as appropriate, to provide a basis of determining if the site has been environmentally impacted. Since many of these sites involved rumors, with no analytical data to support further evaluation, limited, but representative, data collection was deemed appropriate at these sites.

Table 1-1
Moderate Non-Evaluated EBS Sites

Number	SEAD Area Designation	Description	EBS Site Number
1	SEAD 121A	USCG Halon Discharge	44(3)HR
2	SEAD 121B	Building 325 PCB Oil Spill	
3	SEAD 121C	DRMO Yard	
4	SEAD 121D	Building 306 and 308 Hazardous Materials Release	
5	SEAD 121E	Building 127 UST Petroleum Release	
6	SEAD 121F	Building 135 Stained Soil	
7	SEAD 121G	Rumored Coal Ash Disposal Area	

8	SEAD 121H	Rumored Coal Disposal Area	
9	SEAD 121I	Rumored Cosmoline Oil Disposal Area	

Possible outcomes of the limited sampling and analyses program Impact Analysis, as indicated on Figure 1-2, are as follows:

1. Concentrations of constituents of concern are below the NYSDEC SCG (e.g., TAGMs), suggesting that the site has not affected the environment. The site will be designated as a "no further action" site with no reuse restrictions.
2. Concentrations of constituents of concern were above NYSDEC SCG (e.g., TAGMs), therefore, comparisons to PRGs are necessary. If concentrations are less than PRGs, then additional sampling (possibly via an ESI) will be performed. If the concentrations exceed the PRGs, then a Hot Spot Analysis will be performed; this analysis will likely include additional sampling as well.

In addition, where the significance of the environmental impact is not definitive based strictly on the analytical data comparisons, professional judgment will be used to develop the final recommendations. Thus, in some instances slight exceedance of a TAGM does not automatically result in a recommendation for further investigation at the site.

In this report, the sections that describe the individual sites provide a summary of the investigation fieldwork and analytical results for each of the nine low priority Non-Evaluated EBS sites. The tables and figures are presented at the end of the text sections for clarity. Note that the analytical data tables present comparisons to both SCGs (e.g., TAGMs) and PRGs, where applicable. The results of these comparisons are presented in "bold and shade" format (i.e., the exceedences are bolded and shaded in the tables).

1.4 FIELD INVESTIGATION METHODS

The field investigations were performed using the methods outlined in the Generic Installation Remedial Investigation/Feasibility Study Work Plan (Parsons, 1995). There were no specific field investigation methods/procedures used that are not specifically covered in the Generic Workplan.

The temporary wells were installed according to the permanent unconfined well installation methods outlined the Generic Workplan, except that no permanent surface completion was performed. The wells were decommissioned shortly after the groundwater sampling was

performed using the "Casing Pulling" method outlined in "Groundwater Monitoring Well Decommissioning Procedures" (NYSDEC, 1996). Immediately after installation, the wells were purged of at least one borehole volume. On the following day, ground water samples were collected after at least one well casing volume had been purged from the well.

The analytical data included in this report has not been validated, but it will be validated in the near future, and the results/recommendations updated appropriately.

2.0 SEAD-121A - USCG HALON DISCHARGE

2.1 SITE INFORMATION

This parcel is the LORAN-C building (Figure 2-1). Interviews revealed that in 1995 there was a 100-pound accidental release of halon in the control room of this building. The control room was evacuated and ventilated, and the released materials were cleaned up. No other actions were taken.

No field work tasks were performed at this site.

3.0 SEAD-121B - BUILDING 325 PCB OIL SPILL

3.1 SITE INFORMATION

This parcel is an area to the north of Building 325 where PCBs were reported to have been spilled (Figure 3-1). An interview revealed that 55 gallons of PCB oil were dumped in this location, but the time period is uncertain. It was reported that there was no cleanup of this release, and there is no record that this spill was ever reported to NYSDEC.

The purpose of the investigation was to determine if surface and subsurface soils around Building 325 have been impacted by the spill of PCBs. The constituents of concern are volatile organics, semivolatile organics, TPH, and PCBs.

3.2 SUMMARY OF INVESTIGATION

A visual inspection was conducted at the north side of the warehouse Building 325. On the north side, there is a concrete loading ramp leading from where the trucks park on 4th Street to the concrete loading platform along the side of Building 325. The area west of the loading ramp,

between 4th Street and the platform, is mostly gravel with some vegetation. The area east of the ramp slopes down to a shallow drainage area next to railroad tracks running north/south.

There were no signs of staining or stressed vegetation. Samples were collected in low spots and drainage areas in the proximity of the ramp, which were the most likely locations for accidental spills to have occurred.

Surface soil sampling and one soil boring were performed at this site. A total of three surface soil samples were collected from areas which may have been impacted by the release of PBCs. (Figure 3-1). Two of the samples were collected from drainage ditches located downgradient from Building 325. The third surface soil sample was collected next to the steps of the loading ramp at Building 325. The soil boring was performed in a potential run-off area next to the loading ramp to Building 325. The rationale for selecting the sample locations is provided in Table 3-1.

The results of the laboratory analyses are presented in Tables 3-2 through 3-9. These results were compared to the NYSDEC TAGMs and the Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGM:

- Two volatile organic compounds were found in the soil at SEAD-121B, however, their concentrations were all below their respective TAGMs. The two compounds were acetone and toluene. These two compounds are common laboratory contaminants. Toluene was detected in all of the soil samples.
- The semivolatile organic compounds found in the soil samples consisted mostly of PAHs, however, one phthalate was also found in the soil samples. Seven of the PAH compounds exceeded their respective TAGMs in the soil samples collected from the site. The maximum exceedences for the PAHs were as follows: dibenz(a,h)anthracene (150 times); benzo(b)pyrene (149 times); benzo(a)anthracene (42 times); chrysene (30 times); benzo(b)fluoranthene (9 times); benzo(k)fluoranthene (8.8 times); and indeno(1,2,3-cd)pyrene (2 times).
- One PCB compound was found in the soils at SEAD-121B, however the concentration was below the TAGM.
- TPH were found in three soil samples at concentrations above the detection limit. Concentrations of TPH ranged from 109 mg/kg to 1360 mg/kg. No TAGM has been established for TPH.

Comparison to Industrial PRGs:

- No Industrial PRGs were exceeded in the soil samples for the volatiles and PCBs analyses. The semivolatile, benzo(a)pyrene, exceeded the Industrial PRG in three of the soil samples and the exceedences were between 1.9 times and 11.0 times the PRG. Benzo(a)anthracene, Benzo(b)fluoranthene, and Dibenzo(a,h)anthracene were found in one sample, SS121B-3 (0 to 0.2 feet) above the PRG.

Recommendation: Based on professional judgment, and as indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that additional soil sampling be performed to determine the extent of the impacts from semivolatiles at SEAD-121B. The results of this investigation indicate that a release has occurred at the site as evidenced by the presence of PAHs.

4.0 SEAD-121C - DRMO YARD

4.1 SITE INFORMATION

This parcel is associated with the DRMO yard to the west of Building 360 (Figure 4-1). Interviews revealed that hazardous materials such as solvents and PCB oil have been dumped in this area.

The purpose of the investigation was to determine if surface and subsurface soils as well as groundwater have been impacted by the dumping that occurred in this area (the locations of these samples were not based upon the results of the geophysical survey). The constituents of concern are volatile organics, semivolatile organics, TPH, metals, and pesticides/PCBs.

4.2 INVESTIGATION SUMMARY

The site is comprised of a triangularly shaped gravel lot located in the eastern portion of the Depot (Figure 4-1). Building 360 and the entrance gate are located on the eastern side of the area. Building T-355 is located in the central part of the yard and is used for storage. The south and northwest perimeters are fenced with adjacent drainage ditches outside the fences. The surface is graded to allow surface water to drain toward the ditches. Interviews with Depot personnel and review of aerial photographs indicate a history of rapid turnaround of material and vehicles stored in this area. At the time of this investigation, vehicles including military trailers, trucks, and heavy equipment were parked along the south and northwest fences and in the central area. A 70-foot by 20-foot concrete barrier containment area was located at the

southwest corner of the site and was filled with material scraped from the north end of the yard. This material consisted of dirt and gravel with scrap metal, wood debris, ordnance components, batteries, tiles, oil filters, auto parts, paint cans, and other debris. Several days later this debris was returned to the north side of the yard. Aerial photographs show that this area was used for the storage of old tires. Storage cells made of concrete blocks were located in the northeastern portion of the site.

A total of four surface soil samples, four soil borings, and two monitoring wells were performed in areas that were suspected to be impacted (Figure 4-1). The surface soil samples were collected at locations downgradient of parking and storage areas and near the storage cells. One soil boring was performed along the northwest fence where surface water flows into a drainage ditch. The second soil boring was located near the storage cells and the third soil boring was located in the south west corner of Building T-355 where the spills may have occurred. The fourth soil boring was performed downgradient of the parking/storage area in the south west corner of the site. One monitoring well was located downgradient of surface water drainage and the containment area in the southwestern corner of the site. The second monitoring well was located downgradient of Building T-355 and the parking area. The rationale for selecting the sample locations is provided in Table 4-1.

The results of the laboratory analyses are presented in Tables 4-2 through 4-21. These results were compared to NYSDEC TAGMs and Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGMs and GA Standards:

- No volatile organic compounds were found at concentrations above their respective TAGMs. The volatiles that were found included acetone, benzene, chloroform, and toluene.
- The semivolatile organic compounds detected in the soils on-site were mostly PAHs and phthalates. Four of these compounds were found at concentrations above their respective TAGMs. The maximum concentration of Dibenz(a,h)anthracene was detected at 10.7 times the TAGM and the maximum concentration of Benzo(a)pyrene was detected at 6 times the TAGM. Benzo(a)anthracene and chrysene were detected slightly above their respective TAGMs.
- TPH were found in 12 soil samples at concentrations above the detection limit. Concentrations of TPH ranged from 18.5 mg/kg to 482 mg/kg. No TAGM has been established for TPH.
- Thirteen pesticide/PCB compounds were found in the soil samples at SEAD-121C, however, the detected concentrations were below their respective TAGMs.

- Thirteen metals exceeded their respective TAGMs in the soil samples. Exceedences were found in all the soil samples except SB121C-1 (0 to 0.2 feet) and SB121C-1 (2.5 to 3 feet). One exceedence was detected in the samples SB121C-3 (0 to 0.2 feet), SB121C-3 (2.5 to 3 feet), and SB121C-4 (0 to 0.2 feet). The maximum concentration of copper was detected at 295 times the TAGM and the maximum concentration of lead was detected at 216.4 times the TAGM.
- Five volatile organic compounds were found in the groundwater at SEAD-121C, however, their concentrations were all below their respective NYSDEC GA groundwater standards.
- There were eight semivolatile organic compounds detected in groundwater, however, all of their concentrations were below established NYSDEC GA groundwater standards.
- TPH was not detected in the groundwater samples.
- Nineteen pesticides were detected in the groundwater. No PCBs were detected. Seven pesticides were detected at concentrations above their respective NYSDEC GA groundwater standards. The maximum concentration of 4,4-DDD was 9 times the GA standard, the maximum concentration of Endrin was 7.1 times the GA standard, and the maximum concentration of 4,4-DDT was 5.6 times the GA standard.
- Three metals were detected in the groundwater at concentrations exceeding their respective NYSDEC GA standards. The metals are iron, manganese, and sodium.

Comparison to Industrial PRGs:

- In soil, the Industrial PRG for arsenic was the only PRG exceeded in the soil samples analyzed for volatile organics, semivolatile organics, metals, and pesticides/PCBs. Exceedences of arsenic were found in all the soil samples except SB121C-3 (0 to 0.2 feet) and SB121C-4 (0 to 0.2 feet). The concentrations for arsenic exceeded the PRG between 1.1 and 2.0 times.
- In groundwater, one volatile organic compound (Chlorodibromomethane) and one semivolatile organic compound (hexachlorobutadiene) were found at concentrations that exceeded the Drinking Water PRG. Six pesticides (4,4-DDD, 4,4-DDE, 4,4-DT, Dieldrin, Heptachlor, and Heptachlor epoxide) were found at concentrations exceeding their respective Drinking Water PRG. Five metals (arsenic, barium, cadmium, chromium, and manganese) exceeded their respective Drinking Water PRGs.

Recommendation: Based on professional judgment, and as indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that additional soil and groundwater sampling be performed to determine the extent of the impacts from semivolatiles, pesticides, and metals at SEAD-121C. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

5.0 SEAD-121D - BUILDING 306 AND 308 HAZARDOUS MATERIALS RELEASE

5.1 SITE INFORMATION

This parcel is associated with Building 306, an inspector's workshop, and Building 308, a boiler house (Figure 5-1). Records indicate that a 1,000-gallon fuel oil under ground storage tank (SRN 20) is located at Building 308. This tank has been in service since 1942. Interviews conducted during the 1995 EBS revealed that petroleum has been released in the area of Building 306. The interviews also revealed that paints and solvents have been stored in this building and may have been released.

The purpose of the investigation was to determine if surface and subsurface soils in the areas associated with Building 306 and Building 308 have been impacted. The constituents of concern are volatile organics, semivolatiles, and TPH.

5.2 INVESTIGATION SUMMARY

A visual inspection was conducted to identify sample locations. Building 308 is a small boiler plant located in the north west corner of the SEAD boundary. SEAD personnel provided information to locate the site of a removed UST on the north side of the building.

Building 306 is 155 feet long (north to south) with loading bays and platforms on the east and west sides. The building is 55 feet wide with a door on the north end. There are asphalt parking and loading areas (approximately 0.5 acre) on the east, north, and west sides of the building with a gravel railroad loading area off the south west corner of the building.

Recent rains showed runoff to be in a westerly direction from these loading areas. Surface and subsurface samples were collected off the edge of the asphalt in areas of stressed vegetation and low spots. No signs of staining were observed.

A total of three soil borings and two surface soil samples were performed at locations near the buildings suspected of being spill locations (Figure 5-1). Two soil borings were located downgradient of Building 306 in areas rumored to be spill locations and having stressed vegetation based on the visual inspection. One soil boring (SB121D-3) was conducted approximately 30 feet west of the former UST in a small surface depression. Two surface soil samples were collected near Building 306 in areas of stressed vegetation. The rationale for selecting the sample locations is provided in Table 5-1.

The results of the laboratory analyses are presented in Tables 5-2 through 5-7. These results were compared to NYSDEC TAGMs and Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- Five volatile organic compounds were found in the soil at SEAD-121D, however, their concentrations were all below their respective TAGMs. The five compounds were acetone, chloroform, methlene chloride, toluene, and xylene.
- Semivolatile organic compounds found in the soil samples consisted mostly of PAHs, however five phthalate compounds were also found in the samples. Four of the detected concentrations were above the TAGMs. The compounds Dibenz(a,h)anthracene (26.4 times), Benzo(a)pyrene (14.6 times), Benzo(a)anthracene (3.7 times), and Chrysene (2.5 times), and were detected above their respective TAGM values.
- TPH were found in five soil samples at concentrations above the detection limits. Concentrations of TPH ranged from 25.3 mg/kg to 359 mg/kg. No TAGM has been established for TPH.

Comparison to Industrial PRGs:

- No Industrial PRGs were exceeded in the soil samples analyzed for volatile organics. One semivolatile organic compound, Benzo(a)pyrene was detected at a concentration 1.1 times the Industrial PRG.

Recommendation: Based on professional judgment, and as outlined under Decision No. B in the Decision Criteria Flowchart, it is recommended that no further action be taken at this site.

6.0 SEAD-121E - BUILDING 127 UST PETROLEUM RELEASE

6.1 SITE INFORMATION

This parcel is associated with an underground storage tank and stained mound located near Building 127 (Figure 6-1). The tank (SRN 177) has a 12,000 gallon capacity and is used to store diesel fuel. It has been in service since 1985. A visual inspection of this tank during the 1995 EBS documented some discoloration of the concrete at the base of the pump. The visual inspection also noted an earthen mound with oil or hydraulic fluid staining to the southwest of Building 127.

The purpose of the investigation was to determine if surface and subsurface soils near the underground storage tank have been impacted by contaminants. The constituents of concern are volatile organics, semivolatile organics, lead, and TPH in soil.

6.2 INVESTIGATION SUMMARY

The site is located near the locomotive garage bay on the eastern portion of the Depot. (Figure 6-1). A small unnumbered building is located between the UST and the railroad tracks. The site is mostly paved with asphalt, with the exception of the area directly above the UST, the track bed, and a parking area in the southwestern portion of the site. This parking area is for tanker trucks that transport fuel from the UST to other locations on the Depot. The only signs of spills were small stains in the parking area.

A total of four soil samples were collected from two soil borings located near the UST. One soil boring was located north of the UST and the second soil boring was located to the west. The rationale for selecting the sample locations is provided in Table 6-1.

The results of the laboratory analyses are presented in Tables 6-2 and 6-7. These results were compared to NYSDEC TAGMs and Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- Five volatile organic compounds were detected in the soil at SEAD-121E, however, only one compound, acetone, was detected at a concentration above the TAGM. The exceedence was 2 times the TAGM value in SB121E-3 (5.1 to 5.5 feet).
- The semivolatile organic compounds found in the soil samples at SEAD-121E consisted mostly of PAHs, however six phthalate compounds were also found in the soil sample SB121E-2 (5.1 to 5.5 feet). Six of the detected concentrations were above the TAGMs primarily in the soil sample SB121E-1 (0 to 0.7 feet). The maximum concentrations of Dibenz(a,h)anthracene was detected at 63.6 times the TAGM; the maximum concentration of Benzo(a)pyrene was 59 times the TAGM; and the maximum concentration of Benzo(a)anthracene was 17.4 times the TAGM.
- Lead was detected in all four soil samples. The maximum concentration of lead exceeded the TAGM by 3.8 times.
- TPH were found in three soil samples at concentrations above the detection limit. Concentrations of TPH ranged from 172 mg/kg to 3780 mg/kg. No TAGM has been established for TPH.

Comparison to Industrial PRGs:

- No Industrial PRGs were exceeded in the soil samples analyzed for volatile organic compounds. The Industrial PRGs for Benzo(a)pryrene and Dibenz(a,h)anthracene were exceeded in one sample, SB121E-1(0 to 0.7 feet). There is no Industrial PRG for lead.

Recommendation: Based on professional judgment, and as indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that additional surface soil sampling be performed to determine the extent of the impacts from semivolatile organic compounds and lead at SEAD-121E. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

7.0 SEAD-121F - BUILDING 135 STAINED SOIL

7.1 SITE INFORMATION

This parcel is associated with Building 135 (Figure 7-1). This building has been used for vehicle storage over the last 25 years. A visual inspection during the 1995 EBS documented that the dirt floor was extensively stained with oil, fuel, and hydraulic fluid. An interview for the 1995 EBS revealed that this building had been used for acid storage. This interview also documented the release of acids in the building.

The purpose of the investigation was to determine if surface soils within and immediately around the building have been impacted by contaminants. The constituents of concern are volatile organics, semivolatile organics, TPH, and lead in soil.

7.2 INVESTIGATION SUMMARY

This site is comprised of Building 135, which is an open garage type building with a gravel floor. Visual inspection of the building indicated that the gravel floor had extensive staining. Several pieces of equipment such as tractors, a lawn mower, a large generator, and various types of heavy machinery on pallets were stored in the building (Figure 7-1). Sorbent pillows, pallets of silica, construction materials, and hay were also stored in the building.

Three surface soil samples were collected from locations inside the building near areas of the most severe surface soil staining (Figure 7-1). The rationale for selecting the surface soil and soil boring locations is provided in Table 7-1.

The results of the laboratory analyses are presented in Tables 7-2 through 7-7. These results were compared to NYSDEC TAGMs and Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- Two volatile organic compounds, acetone and toluene, were detected in the soil samples. However, none of the concentrations of these volatiles were found above their respective TAGMs. Both acetone and toluene are potential laboratory contaminants.
- The semivolatile organic compounds detected in the samples included mostly PAHs and five phthalate compounds. Two of the PAHs, benzo(a)pyrene and dibenz(a)anthracene, exceeded their respective TAGMs in soil. The magnitudes of the two PAH exceedences were between 1.2 and 1.6 times in the samples.
- TPH were found in three soil samples at concentrations above the detection limit. Concentrations of TPH ranged from 290 mg/kg to 419 mg/kg. No TAGM has been established for TPH.
- Lead was detected at concentrations that exceeded the TAGM in all three soil samples. The maximum concentration of lead was detected at 1.3 times the TAGM.

Comparison to Industrial PRGs:

- None of the concentrations of volatile organics and semivolatile organics exceeded established Industrial PRGs. There is no Industrial PRG for lead.

Recommendation: Based on professional judgment, and as indicated at Decision No. B in the Decision Criteria Flowchart, it is recommend that no further action be taken at this site.

8.0 SEAD-121G - RUMORED COAL ASH DISPOSAL AREA

8.1 SITE INFORMATION

This parcel is associated with an area south of Building 123 that was rumored to have been used for coal ash disposal (Figure 8-1).

The purpose of the investigation was to determine the location of the coal ash disposal areas reported to be south of Building 123 in an area that is now utilized partially as a playground and to determine if soil in this area has been impacted by coal ash. In addition, geophysics were used

to determine the location of any anomalies to be investigated. The constituents of concern are semivolatiles and metals in soil.

8.2 INVESTIGATION SUMMARY

This site is the playground on the eastern portion of the Depot in the Administrative Area (Figure 8-1). SEDA personnel indicated that areas directly under the playground equipment (jungle gym and slide) were the location of the coal ash disposal areas. Sand had been placed underneath the equipment. Ash was visible in the ruts of the drill rig. Based upon the soil sampling, the disposal of ash took place over a period of time. Ash appeared in veins in the split spoon samples from approximately 0.5 inches to one foot.

An EM-31 survey was performed over those areas of SEAD-121G that were accessible. These included a 400 foot by 500 foot area located east of Administration Avenue and south of South Avenue, and a 350 foot by 400 foot area south of the maintenance area parking pad (Figure 8-2).

The EM-31 survey was performed by collecting EM measurements every one second along parallel, north-south oriented survey lines. These lines were spaced 20 feet apart. The local grid system that was used to reference the EM-31 survey was surveyed and referenced to the New York State Plane coordinate system. Once the EM-31 data were collected, they were corrected for instrument drift using instrument function check data that were collected before and after the survey. Finally, the data were reduced to produce pseudo-color maps of the measured EM responses. These maps are presented in Figure 8-2 and 8-3. Figure 8-2 shows the measured apparent ground conductivity and Figure 8-3 shows the in-phase response. In each figure, the range of measured values has been mapped to an arbitrary color scale, which was chosen to highlight the variations observed in the EM data.

Several localized, high amplitude anomalies are visible in the apparent ground conductivity data and the in-phase response data in the northwest portion of the site (the area of the playground). These are all associated with metallic objects in the playground. Though not all of these localized anomalies occur immediately adjacent to a mapped metallic object (each "X" in the figures represents the location of a metallic surface object), most of the surface objects are large in size (only the center of the objects are mapped), and some objects were not mapped because they did not obstruct a survey line.

A large area, low amplitude anomaly is observed in the apparent ground conductivity data in the central and south-central portion of the playground area (Figure 8-3). This anomaly is interpreted as an area having a slightly different near-surface soil make-up. Possible causes of

this anomaly include elevated soil moisture content (the survey was performed in early spring, and groundwater may have been pooled in a topological low area), or the presence of slightly conductive material. The slightly conductive material could be a concentration of soils with naturally occurring high conductivity, or it could be due to buried coal ash. Since it is possible for the coal ash to have high concentrations of inorganic elements, and/or for the porosity of the coal ash to be such that it will have a higher moisture content , there is a good probability that this anomaly is associated with the disposed coal ash. There is no evidence of this large area, low amplitude anomaly in the in-phase data. This is to be expected as the in-phase response is very sensitive to smaller objects with high metal content and is typically insensitive to broad, low-level apparent ground conductivity anomalies.

No prominent EM anomalies are visible in either the apparent ground conductivity data or in the in-phase response data in the southeastern portion of the site. A linear anomaly of high apparent ground conductivity and high in-phase response measurements is visible along the northern boundary of the this area, and is associated with anthropogenic features. A single, localized, small amplitude anomaly is visible near the center of the northern boundary of this area, and is presumably associated with a small buried metallic object. This anomaly is expected to be shallow (due to its small area extent) and small (due to its low amplitude). This anomaly is interpreted to be an object that is smaller than a 55 gallon drum.

Four soil samples were collected from two soil borings performed on the eastern edge and in the center of the rumored ash disposal area. The locations were recommended by SEDA personnel (Figure 8-1). The rationale for selecting the soil boring locations is provided in Table 8-1.

The results of the laboratory analyses are presented in Tables 8-2 through 8-7. These results were compared to NYSDEC TAGMs and Residential PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- The semivolatile organic compounds detected in the soils were mostly PAHs and four phthalates. Six of these compounds were found at concentrations above their respective TAGMs. Most of the exceedences were found in soil sample SB121G-2(0 to 0.2 feet). The maximum concentration of Diben(a,h)anthrancene was 30.7 times the TAGM and the maximum concentration of Benzo(a)pyrene was 24.6 times the TAGM.
- Lead and thallium were found at concentrations above their respective TAGMs. The maximum concentration of both lead and thallium was 1.9 times the respective TAGM.

Comparison to Residential PRGs:

- None of the concentrations of semivolatile organic compounds and metals found in the soil exceeded the Residential PRGs. There is no Residential PRG for lead.

Recommendation: Based on professional judgment, it is recommended that no further action be taken for SEAD-121G, as outlined under Decision No. B in the Decision Criteria Flowchart.

9.0 SEAD-121H - RUMORED COAL DISPOSAL AREA

9.1 SITE INFORMATION

This parcel is associated with an area near Building S-131 where coal was stored (Figure 9-1). The purpose of the investigation was to identify the location of the coal storage areas and to determine if subsurface soils in the area have been impacted by contaminants. The constituents of concern are semivolatile organics and metals.

9.2 INVESTIGATION SUMMARY

SEDA personnel indicated that the site is located in the eastern portion of the Depot (Figure 9-1). The site is comprised of a salt storage dome located northeast of Building 128. The dome was filled with salt and sampling was restricted to the outside perimeter of the structure. Visual inspection of the site did not indicate any signs of coal. Soil samples were collected on opposite sides of the dome.

A total of four soil samples were collected from two soil borings at locations on the northeastern and southern perimeter of the storage dome. The rationale for selecting the sample locations is provided in Table 9-1.

The results of the laboratory analyses are presented in Tables 9-2 through 9-7. These results were compared to NYSDEC TAGMs and Industrial PRGs. The results of the comparisons are given below.

Comparison to TAGMs:

- The semivolatile organic compounds found in the soil samples consisted mostly of PAHs however four phthalates were also found in the samples. None of the detected concentrations were above the TAGMs.

- Two metals, calcium and sodium, exceeded their respective TAGMs. Calcium exceeded the TAGM in four sample locations.

Comparison to Industrial PRGs:

- No Industrial PRGs were exceeded in the soil samples analyzed for semivolatile organics. The maximum concentration of arsenic was 1.1 times the Industrial PRG.

Recommendation: Based on professional judgment, it is recommended that no further action be taken for SEAD-121H, as outlined under Decision No. B in the Decision Criteria Flowchart.

10.0 SEAD-121I - RUMORED COSMOLINE OIL DISPOSAL AREA

10.1 SITE INFORMATION

This parcel is associated with four rectangular grassy areas between two rows of warehouse buildings between Avenues C and D (Figure 10-1). It was reported that upon receipt of machinery that was packed in Cosmoline (oil), the oil from the packing was dumped in the rectangular grassy areas outside of the warehouses between Avenues C and D and 3rd Street and 7th Street. Also, some of this oil may have been washed down storm drains in this area.

The purpose of the investigation was to determine if soils in the four areas have been impacted by contaminants and if sediment from two storm drains that are located in areas which may have received sediment (run-off) from any of these areas have also been impacted. The constituents of concern are semivolatile organics and TPH.

10.2 INVESTIGATION SUMMARY

The sampling locations were based on possible loading and unloading sites near adjacent warehouses.

The field program included the collection of four surface soil samples and two sediment samples. One surface soil sample was collected from depressed areas in each of the four rectangular areas. One sediment sample was collected from a drainage culvert downgradient of the materials staging area between Building 343 and Building 331. The second sediment sample was collected from a drainage culvert downgradient of the staging area between Building 329 and 341. The rationale for choosing these sample locations is provided in Table 10-1.

The results of the laboratory analyses are presented in Tables 10-2 and 10-7. These results were compared to NYSDEC TAGMs, NYS sediment criteria, and Industrial PRGs. No PRGs have been established for sediment. The results of the comparisons are given below.

Comparison to Soil TAGMs and Sediment Criteria:

- The semivolatile compounds detected were mostly PAHs and one phthalate. Seven semivolatile organic compounds exceeded their respective TAGMs in the soil samples. The maximum concentration of Dibenz(a,h)anthracene was 328.6 times the TAGM; the maximum concentration of Benzo(a)pyrene was 213 times the TAGM; and the maximum concentration of Benzo(a)anthracene was 58 times the TAGM.
- TPH were found in three soil samples at concentrations above the detection limit. Concentrations of TPH ranged from 43.9 mg/kg to 452 mg/kg. There is no TAGM for TPH.
- Six semivolatile organic compounds were found at concentrations above their respective NYS sediment criteria. The maximum concentration of Chrysene was 19.2 times the NYS criteria; the maximum concentration of Benzo(k)fluoranthene was 17.7 times the NYS criteria; and the maximum concentration of Benzo(b)fluoranthene was 16.9 times the criteria.
- TPH were found in both the sediment samples. The concentrations ranged from 136 mg/kg to 370 mg/kg. There is no NYS sediment criteria for TPH.

Comparison to Industrial PRGs:

- Five of the concentrations of semivolatile organics exceeded their respective Industrial PRGs in the soil samples. Benzo(a)pyrene was detected at concentrations exceeding the Industrial PRG in all four soil samples. The remaining semivolatile organic compounds exceedences were found in one soil sample, SS121I-2.
- No Industrial PRGs have been established for sediment.

Recommendation: Based on professional judgment, and as indicated at Decision No. D in the Decision Criteria Flowchart, it is recommend that additional soil sampling be performed to determine the extent of the impacts from semivolatiles. At this time, there are an insufficient number of data points to perform a Mini Risk Assessment.

REFERENCES

Parsons ES, 1995, Generic Installation Remedial Investigation/Feasibility Study (RI/FS) Workplan for Seneca Army Depot Activity.

Woodward Clyde Federal Services, 1996, U.S. Army Base Realignment and Closure Program, Environmental Baseline Survey Report, Seneca Army Depot Activity, New York, Draft Final.

TABLES

SEAD-121B

Building 325 PCB Oil Spill

Table 3-1

Sample Collection Information
SEAD-121B - Building 325 PCB Oil Spill

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121B-1	EB212	3/7/98	0.00	0.20	SA	Location is a potential run-off area next to loading ramp to Bldg. 325. Surface soil sample.
SOIL	SB121B-1	EB213	3/7/98	4.00	4.50	SA	Same location as above. Approx. mid-depth sample at water table. No VOC's or impact to soils detected.
SURFACE SOIL	SS121B-1	EB238	3/9/98	0.00	0.20	SA	Location is a drainage ditch downgradient of loading ramp to Bldg. 325.
SURFACE SOIL	SS121B-2	EB239	3/9/98	0.00	0.20	SA	Location is next to steps to loading platform at Bldg. 325.
SURFACE SOIL	SS121B-3	EB240	3/9/98	0.00	0.20	SA	Location is a downgradient ditch between Bldg. 325 and adjacent railroad line.

SA = Sample

Table 3-2
SEAD-121B - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	5	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	5	0	0.00%	0	0	0	0	600	286160
1,1,2-Trichloroethane	UG/KG	5	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	5	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	5	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	5	0	0.00%	0	0	0	0	100	62692
1,2-Dichloroethene (total)	UG/KG	5	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	5	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	5	1	20.00%	14	0	14	0	200	52560000
Benzene	UG/KG	5	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	5	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	5	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	5	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	5	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	5	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	5	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	5	0	0.00%	0	0	0	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	5	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	5	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	5	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	5	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	5	0	0.00%	0	0	0	0		440246
Methyl ethyl ketone	UG/KG	5	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	5	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	5	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	5	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	5	0	0.00%	0	0	0	0	1400	110082
Toluene	UG/KG	5	5	100.00%	20	0	7.8	0	1500	105120000
Total Xylenes	UG/KG	5	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	5	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	5	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	5	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	5	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	5	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	5	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	5	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	5	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	5	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	5	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	5	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	5	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	5	3	60.00%	460	0	188.3333333	0	36400	
2-Methylphenol	UG/KG	5	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	5	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	5	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	5	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	5	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	5	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	5	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	5	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	5	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	5	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	5	5	100.00%	1800	0	587.8	0	50000	
Acenaphthylene	UG/KG	5	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	5	5	100.00%	2500	0	826.6	0	50000	157680000
Benzo[a]anthracene	UG/KG	5	5	100.00%	9400	5	2982	0	224	7840
Benzo[a]pyrene	UG/KG	5	5	100.00%	9100	5	2836	0	61	784
Benzo[b]fluoranthene	UG/KG	5	5	100.00%	10000	3	3154	0	1100	7840
Benzo[ghi]perylene	UG/KG	5	5	100.00%	6500	0	1998	0	50000	
Benzo[k]fluoranthene	UG/KG	5	5	100.00%	9700	3	2950	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	5	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	5	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	5	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	408800
Butylbenzylphthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	105120000
Carbazole	UG/KG	5	5	100.00%	5300	0	1570	0		286160
Chrysene	UG/KG	5	5	100.00%	12000	5	3660	0	400	784000

Table 3-2
SEAD-121B - Date Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Di-n-butylphthalate	UG/KG	5	0	0.00%	0	0	0	0	8100	
Di-n-octylphthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	5	5	100.00%	2100	5	685.6	0	14	764
Dibenzofuran	UG/KG	5	5	100.00%	1200	0	339.6	0	6200	2102400
Diethyl phthalate	UG/KG	5	1	20.00%	12	0	12	0	7100	420480000
Dimethylphthalate	UG/KG	5	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	5	5	100.00%	30000	0	9240	0	50000	21024000
Fluorene	UG/KG	5	5	100.00%	1800	0	556.4	0	50000	21024000
Hexachlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	5	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	5	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	5	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	5	5	100.00%	6600	1	2004	0	3200	7840
Isophorone	UG/KG	5	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	5	0	0.00%	0	0	0	0		1166000
N-Nitrosodipropylamine	UG/KG	5	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	5	3	60.00%	1700	0	673	0	13000	21024000
Nitrobenzene	UG/KG	5	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	5	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	5	5	100.00%	21000	0	6312	0	50000	
Phenol	UG/KG	5	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	5	5	100.00%	21000	0	6548	0	50000	15768000
TPH	MG/KG	5	3	60.00%	1360	0	890	0		
PCBs										
Aroclor-1016	UG/KG	5	0	0.00%	0	0	0	0		36792
Aroclor-1221	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1232	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1242	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1248	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1254	UG/KG	5	1	20.00%	76	0	76	0	10000	10512
Aroclor-1260	UG/KG	5	0	0.00%	0	0	0	0	10000	

Table 3-3
SEAD-121B - Volatiles in Soil vs. NYTAGM
Non-Evaluated Sites

SITE:				SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill	
DESCRIPTION:													
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles													
1,1,1-Trichloroethane	UG/KG	800	18396000	14	U	12	U	16	U	14	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	14	U	12	U	16	U	14	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	14	U	12	U	16	U	14	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	14	U	12	U	16	U	14	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	14	U	12	U	16	U	14	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	14	U	12	U	16	U	14	U	11	U
1,2-Dichloroethene (total)	UG/KG			14	U	12	U	16	U	14	U	11	U
1,2-Dichloropropane	UG/KG		84165	14	U	12	U	16	U	14	U	11	U
Acetone	UG/KG	200	52560000	14	J	12	U	16	U	14	U	11	U
Benzene	UG/KG	60	197352	14	U	12	U	16	U	14	U	11	U
Bromodichloromethane	UG/KG		92310	14	U	12	U	16	U	14	U	11	U
Bromoform	UG/KG		724456	14	U	12	U	16	U	14	U	11	U
Carbon disulfide	UG/KG	2700	52560000	14	U	12	U	16	U	14	U	11	U
Carbon tetrachloride	UG/KG	600	44025	14	U	12	U	16	U	14	U	11	U
Chlorobenzene	UG/KG	1700	10512000	14	U	12	U	16	U	14	U	11	U
Chlorodibromomethane	UG/KG		68133	14	U	12	U	16	U	14	U	11	U
Chloroethane	UG/KG	1900	210240000	14	U	12	U	16	U	14	U	11	U
Chloroform	UG/KG	300	938230	14	U	12	U	16	U	14	U	11	U
Cis-1,3-Dichloropropene	UG/KG			14	U	12	U	16	U	14	U	11	U
Ethyl benzene	UG/KG	5500	52560000	14	U	12	U	16	U	14	U	11	U
Methyl bromide	UG/KG		751608	14	U	12	U	16	U	14	U	11	U
Methyl butyl ketone	UG/KG			14	U	12	U	16	U	14	U	11	U
Methyl chloride	UG/KG		440246	14	U	12	U	16	U	14	U	11	U
Methyl ethyl ketone	UG/KG	300		14	U	12	U	16	U	14	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	14	U	12	U	16	U	14	U	11	U
Methylene chloride	UG/KG	100	763093	14	U	12	U	16	U	14	U	11	U
Styrene	UG/KG			14	U	12	U	16	U	14	U	11	U
Tetrachloroethene	UG/KG	1400	110062	14	U	12	U	16	U	14	U	11	U
Toluene	UG/KG	1500	105120000	6	J	7	J	4	J	2	J	20	
Total Xylenes	UG/KG	1200	1051200000	14	U	12	U	16	U	14	U	11	U
Trans-1,3-Dichloropropene	UG/KG			14	U	12	U	16	U	14	U	11	U
Trichloroethene	UG/KG	700	520291	14	U	12	U	16	U	14	U	11	U
Vinyl chloride	UG/KG	200	3012	14	U	12	U	16	U	14	U	11	U

Table 3-4
SEAD -121B Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill		SEAD-121B Bldg. 325 PCB Oil Spill	
DESCRIPTION:													
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles													
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	220	U	220	U	500	U	970	U	3700	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	220	U	220	U	500	U	970	U	3700	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	220	U	220	U	500	U	970	U	3700	U
1,4-Dichlorobenzene	UG/KG	8500	238467	220	U	220	U	500	U	970	U	3700	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	530	U	540	U	1200	U	2400	U	9000	U
2,4,6-Trichlorophenol	UG/KG		520291	220	U	220	U	500	U	970	U	3700	U
2,4-Dichlorophenol	UG/KG	400	1576800	220	U	220	U	500	U	970	U	3700	U
2,4-Dimethylphenol	UG/KG		10512000	220	U	220	U	500	U	970	U	3700	U
2,4-Dinitrophenol	UG/KG	200	1051200	530	U	540	U	1200	U	2400	U	9000	U
2,4-Dinitrotoluene	UG/KG		1051200	220	U	220	U	500	U	970	U	3700	U
2,6-Dinitrotoluene	UG/KG	1000	525600	220	U	220	U	500	U	970	U	3700	U
2-Chloronaphthalene	UG/KG			220	U	220	U	500	U	970	U	3700	U
2-Chlorophenol	UG/KG	800	2628000	220	U	220	U	500	U	970	U	3700	U
2-Methylnaphthalene	UG/KG	36400		220	U	220	U	27	J	78	J	460	J
2-Methylphenol	UG/KG	100	26280000	220	U	220	U	500	U	970	U	3700	U
2-Nitroaniline	UG/KG	430	31536	530	U	540	U	1200	U	2400	U	9000	U
2-Nitrophenol	UG/KG	330		220	U	220	U	500	U	970	U	3700	U
3,3'-Dichlorobenzidine	UG/KG		12718	220	U	220	U	500	U	970	U	3700	U
3-Nitroaniline	UG/KG	500	1576800	530	U	540	U	1200	U	2400	U	9000	U
4,6-Dinitro-2-methylphenol	UG/KG			530	U	540	U	1200	U	2400	U	9000	U
4-Bromophenyl phenyl ether	UG/KG		30484800	220	U	220	U	500	U	970	U	3700	U
4-Chloro-3-methylphenol	UG/KG	240		220	U	220	U	500	U	970	U	3700	U
4-Chloroaniline	UG/KG	220	2102400	220	U	220	U	500	U	970	U	3700	U
4-Chlorophenyl phenyl ether	UG/KG			220	U	220	U	500	U	970	U	3700	U
4-Methylphenol	UG/KG	900		220	U	220	U	500	U	970	U	3700	U
4-Nitroaniline	UG/KG		1576800	530	U	540	U	1200	U	2400	U	9000	U
4-Nitrophenol	UG/KG	100	31536000	530	U	540	U	1200	U	2400	U	9000	U
Acenaphthene	UG/KG	50000		59	J	120	J	320	J	640	J	1800	J
Acenaphthylene	UG/KG	41000		220	U	220	U	500	U	970	U	3700	U
Anthracene	UG/KG	50000	157680000	83	J	160	J	430	J	960	J	2500	J
Benzo[a]anthracene	UG/KG	224	7840	[redacted]		[redacted]		[redacted]		[redacted]		9400	
Benzo[a]pyrene	UG/KG	61	784									9100	
Benzo[b]fluoranthene	UG/KG	1100	7840	460		410						10000	
Benzo[ghi]perylene	UG/KG	50000		260		230		1000		2000		6500	
Benzo[k]fluoranthene	UG/KG	1100	78400	410		440		[redacted]		[redacted]		[redacted]	

Table 3-4
SEAD -121B Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325 PCB	
DESCRIPTION:				Oil Spill		PCB Oil Spill		PCB Oil Spill		PCB Oil Spill		Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Chloroethoxy)methane	UG/KG			220	U	220	U	500	U	970	U	3700	U
Bis(2-Chloroethyl)ether	UG/KG		5203	220	U	220	U	500	U	970	U	3700	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	220	U	220	U	500	U	970	U	3700	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	220	U	220	U	500	U	970	U	3700	U
Butylbenzylphthalate	UG/KG	50000	105120000	220	U	220	U	500	U	970	U	3700	U
Carbazole	UG/KG		286160	130	J	200	J	820		1400		5300	
Chrysene	UG/KG	400	784000	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]	
Di-n-butylphthalate	UG/KG	8100		220	U	220	U	500	U	970	U	3700	U
Di-n-octylphthalate	UG/KG	50000	10512000	220	U	220	U	500	U	970	U	3700	U
Dibenz[a,h]anthracene	UG/KG	14	784	[redacted]	J	[redacted]	J	[redacted]		[redacted]	J	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	16	J	42	J	140	J	300	J	1200	J
Diethyl phthalate	UG/KG	7100	420480000	12	J	220	U	500	U	970	U	3700	U
Dimethylphthalate	UG/KG	2000	5256000000	220	U	220	U	500	U	970	U	3700	U
Fluoranthene	UG/KG	50000	21024000	1100		1200		5000	E	8900	E	30000	
Fluorene	UG/KG	50000	21024000	44	J	88	J	270	J	580	J	1800	J
Hexachlorobenzene	UG/KG	410	3577	220	U	220	U	500	U	970	U	3700	U
Hexachlorobutadiene	UG/KG		73374	220	U	220	U	500	U	970	U	3700	U
Hexachlorocyclopentadiene	UG/KG		3679200	220	U	220	U	500	U	970	U	3700	U
Hexachloroethane	UG/KG		408800	220	U	220	U	500	U	970	U	3700	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	240		210	J	970		2000		[redacted]	
Isophorone	UG/KG	4400		220	U	220	U	500	U	970	U	3700	U
N-Nitrosodiphenylamine	UG/KG		1168000	220	U	220	U	500	U	970	U	3700	U
N-Nitrosodipropylamine	UG/KG		818	220	U	220	U	500	U	970	U	3700	U
Naphthalene	UG/KG	13000	21024000	220	U	220	U	79	J	240	J	1700	J
Nitrobenzene	UG/KG	200	262800	220	U	220	U	500	U	970	U	3700	U
Pentachlorophenol	UG/KG	1000	47693	530	U	540	U	1200	U	2400	U	9000	U
Phenanthrene	UG/KG	50000		620		940		3200		5800		21000	
Phenol	UG/KG	30	315360000	220	U	220	U	500	U	970	U	3700	U
Pyrene	UG/KG	50000	15768000	940		1100		3800		5900		21000	
TPH	MG/KG			20.4	U	19.5	U	109		1200		1360	

Table 3-5
SEAD-121B - PCBs in Soil vs. NYTAGM
Non-Evaluated EBS Sites

SITE:				SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325 PCB	
DESCRIPTION:				Oil Spill		PCB Oil Spill		PCB Oil Spill		PCB Oil Spill		Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
PCBs													
Aroclor-1016	UG/KG		36792	44	U	40	U	50	U	48	U	37	U
Aroclor-1221	UG/KG			88	U	79	U	100	U	98	U	75	U
Aroclor-1232	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1242	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1248	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1254	UG/KG	10000	10512	44	U	40	U	50	U	48	U	76	P
Aroclor-1260	UG/KG	10000		44	U	40	U	50	U	48	U	37	U

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	5	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	5	0	0.00%	0	0	0	0	600	286160
1,1,2-Trichloroethane	UG/KG	5	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	5	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	5	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	5	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	5	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	5	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	5	1	20.00%	14	0	14	0	200	52560000
Benzene	UG/KG	5	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	5	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	5	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	5	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	5	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	5	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	5	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	5	0	0.00%	0	0	0	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	5	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	5	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	5	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	5	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	5	0	0.00%	0	0	0	0		440248
Methyl ethyl ketone	UG/KG	5	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	5	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	5	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	5	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	5	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	5	5	100.00%	20	0	7.8	0	1500	105120000
Total Xylenes	UG/KG	5	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	5	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	5	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	5	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	5	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	5	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	5	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	5	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	5	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	5	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	5	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	5	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	5	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	5	3	60.00%	460	0	188.3333333	0	36400	
2-Methylphenol	UG/KG	5	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	5	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	5	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	5	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	5	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	5	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	5	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	5	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	5	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	5	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	5	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	5	5	100.00%	1800	0	587.8	0	50000	
Acenaphthylene	UG/KG	5	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	5	5	100.00%	2500	0	826.6	0	50000	157680000
Benzo[a]anthracene	UG/KG	5	5	100.00%	9400	1	2982	0	224	7840
Benzo[a]pyrene	UG/KG	5	5	100.00%	9100	3	2836	0	61	784
Benzo[b]fluoranthene	UG/KG	5	5	100.00%	10000	1	3154	0	1100	7840
Benzo[ghi]perylene	UG/KG	5	5	100.00%	6500	0	1998	0	50000	
Benzo[k]fluoranthene	UG/KG	5	5	100.00%	9700	0	2950	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	5	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	5	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	5	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	409800
Butylbenzylphthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	105120000
Carbazole	UG/KG	5	5	100.00%	5300	0	1570	0		286160
Chrysene	UG/KG	5	5	100.00%	12000	0	3660	0	400	784000

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Di-n-butylphthalate	UG/KG	5	0	0.00%	0	0	0	0	8100	
Di-n-octylphthalate	UG/KG	5	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	5	5	100.00%	2100	1	685.6	0	14	784
Dibenzofuran	UG/KG	5	5	100.00%	1200	0	339.8	0	6200	2102400
Diethyl phthalate	UG/KG	5	1	20.00%	12	0	12	0	7100	420480000
Dimethylphthalate	UG/KG	5	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	5	5	100.00%	30000	0	9240	0	50000	21024000
Fluorene	UG/KG	5	5	100.00%	1800	0	556.4	0	50000	21024000
Hexachlorobenzene	UG/KG	5	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	5	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	5	0	0.00%	0	0	0	0		3678200
Hexachloroethane	UG/KG	5	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	5	5	100.00%	8600	0	2004	0	3200	7840
Isophorone	UG/KG	5	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	5	0	0.00%	0	0	0	0		1168000
N-Nitrosodipropylamine	UG/KG	5	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	5	3	60.00%	1700	0	673	0	13000	21024000
Nitrobenzene	UG/KG	5	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	5	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	5	5	100.00%	21000	0	6312	0	50000	
Phenol	UG/KG	5	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	5	5	100.00%	21000	0	6548	0	50000	15768000
TPH	MG/KG									
PCBs										
Aroclor-1016	UG/KG	5	0	0.00%	0	0	0	0		36792
Aroclor-1221	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1232	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1242	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1248	UG/KG	5	0	0.00%	0	0	0	0		
Aroclor-1254	UG/KG	5	1	20.00%	76	0	76	0	10000	10512
Aroclor-1260	UG/KG	5	0	0.00%	0	0	0	0	10000	

Table 3-7
SEAD-121B - Volatiles in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121B Bldg. 325 PCB		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325		SEAD-121B Bldg. 325 PCB	
DESCRIPTION:				Oil Spill		PCB Oil Spill		PCB Oil Spill		PCB Oil Spill		Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles													
1,1,1-Trichloroethane	UG/KG	800	18396000	14	U	12	U	16	U	14	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	14	U	12	U	16	U	14	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	14	U	12	U	16	U	14	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	14	U	12	U	16	U	14	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	14	U	12	U	16	U	14	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	14	U	12	U	16	U	14	U	11	U
1,2-Dichloroethene (total)	UG/KG			14	U	12	U	16	U	14	U	11	U
1,2-Dichloropropane	UG/KG		84165	14	U	12	U	16	U	14	U	11	U
Acetone	UG/KG	200	52560000	14	J	12	U	16	U	14	U	11	U
Benzene	UG/KG	60	197352	14	U	12	U	16	U	14	U	11	U
Bromodichloromethane	UG/KG		92310	14	U	12	U	16	U	14	U	11	U
Bromoform	UG/KG		724456	14	U	12	U	16	U	14	U	11	U
Carbon disulfide	UG/KG	2700	52560000	14	U	12	U	16	U	14	U	11	U
Carbon tetrachloride	UG/KG	600	44025	14	U	12	U	16	U	14	U	11	U
Chlorobenzene	UG/KG	1700	10512000	14	U	12	U	16	U	14	U	11	U
Chlorodibromomethane	UG/KG		68133	14	U	12	U	16	U	14	U	11	U
Chloroethane	UG/KG	1900	210240000	14	U	12	U	16	U	14	U	11	U
Chloroform	UG/KG	300	938230	14	U	12	U	16	U	14	U	11	U
Cis-1,3-Dichloropropene	UG/KG			14	U	12	U	16	U	14	U	11	U
Ethyl benzene	UG/KG	5500	52560000	14	U	12	U	16	U	14	U	11	U
Methyl bromide	UG/KG		751608	14	U	12	U	16	U	14	U	11	U
Methyl butyl ketone	UG/KG			14	U	12	U	16	U	14	U	11	U
Methyl chloride	UG/KG		440246	14	U	12	U	16	U	14	U	11	U
Methyl ethyl ketone	UG/KG	300		14	U	12	U	16	U	14	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	14	U	12	U	16	U	14	U	11	U
Methylene chloride	UG/KG	100	763093	14	U	12	U	16	U	14	U	11	U
Styrene	UG/KG			14	U	12	U	16	U	14	U	11	U
Tetrachloroethene	UG/KG	1400	110062	14	U	12	U	16	U	14	U	11	U
Toluene	UG/KG	1500	105120000	6	J	7	J	4	J	2	J	20	
Total Xylenes	UG/KG	1200	1051200000	14	U	12	U	16	U	14	U	11	U
Trans-1,3-Dichloropropene	UG/KG			14	U	12	U	16	U	14	U	11	U
Trichloroethene	UG/KG	700	520291	14	U	12	U	16	U	14	U	11	U
Vinyl chloride	UG/KG	200	3012	14	U	12	U	16	U	14	U	11	U

Table 3-8
SEAD-121B Semivolatiles/TPH in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B	
				Bldg. 325 PCB		Bldg. 325		Bldg. 325		Bldg. 325		Bldg. 325 PCB	
DESCRIPTION:				Oil Spill		PCB Oil Spill		PCB Oil Spill		PCB Oil Spill		Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles													
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	220	U	220	U	500	U	970	U	3700	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	220	U	220	U	500	U	970	U	3700	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	220	U	220	U	500	U	970	U	3700	U
1,4-Dichlorobenzene	UG/KG	8500	238467	220	U	220	U	500	U	970	U	3700	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	530	U	540	U	1200	U	2400	U	9000	U
2,4,6-Trichlorophenol	UG/KG		520291	220	U	220	U	500	U	970	U	3700	U
2,4-Dichlorophenol	UG/KG	400	1576800	220	U	220	U	500	U	970	U	3700	U
2,4-Dimethylphenol	UG/KG		10512000	220	U	220	U	500	U	970	U	3700	U
2,4-Dinitrophenol	UG/KG	200	1051200	530	U	540	U	1200	U	2400	U	9000	U
2,4-Dinitrotoluene	UG/KG		1051200	220	U	220	U	500	U	970	U	3700	U
2,6-Dinitrotoluene	UG/KG	1000	525600	220	U	220	U	500	U	970	U	3700	U
2-Chloronaphthalene	UG/KG			220	U	220	U	500	U	970	U	3700	U
2-Chlorophenol	UG/KG	800	2628000	220	U	220	U	500	U	970	U	3700	U
2-Methylnaphthalene	UG/KG	36400		220	U	220	U	27	J	78	J	460	J
2-Methylphenol	UG/KG	100	26280000	220	U	220	U	500	U	970	U	3700	U
2-Nitroaniline	UG/KG	430	31536	530	U	540	U	1200	U	2400	U	9000	U
2-Nitrophenol	UG/KG	330		220	U	220	U	500	U	970	U	3700	U
3,3'-Dichlorobenzidine	UG/KG		12718	220	U	220	U	500	U	970	U	3700	U
3-Nitroaniline	UG/KG	500	1576800	530	U	540	U	1200	U	2400	U	9000	U
4,6-Dinitro-2-methylphenol	UG/KG			530	U	540	U	1200	U	2400	U	9000	U
4-Bromophenyl phenyl ether	UG/KG		30484800	220	U	220	U	500	U	970	U	3700	U
4-Chloro-3-methylphenol	UG/KG	240		220	U	220	U	500	U	970	U	3700	U
4-Chloroaniline	UG/KG	220	2102400	220	U	220	U	500	U	970	U	3700	U
4-Chlorophenyl phenyl ether	UG/KG			220	U	220	U	500	U	970	U	3700	U
4-Methylphenol	UG/KG	900		220	U	220	U	500	U	970	U	3700	U
4-Nitroaniline	UG/KG		1576800	530	U	540	U	1200	U	2400	U	9000	U
4-Nitrophenol	UG/KG	100	31536000	530	U	540	U	1200	U	2400	U	9000	U
Acenaphthene	UG/KG	50000		59	J	120	J	320	J	640	J	1800	J
Acenaphthylene	UG/KG	41000		220	U	220	U	500	U	970	U	3700	U
Anthracene	UG/KG	50000	157680000	83	J	160	J	430	J	960	J	2500	J
Benzo[a]anthracene	UG/KG	224	7840	390		420		1600		3100		[redacted]	
Benzo[a]pyrene	UG/KG	61	784	390		390		[redacted]		[redacted]			
Benzo[b]fluoranthene	UG/KG	1100	7840	460		410		1700		3200			
Benzo[ghi]perylene	UG/KG	50000		260		230		1000		2000		6500	
Benzo[k]fluoranthene	UG/KG	1100	78400	410		440		1600		2600		9700	

Table 3-8
SEAD-121B Semivolatiles/TPH in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B	
DESCRIPTION:				Bldg. 325 PCB Oil Spill		Bldg. 325 PCB Oil Spill		Bldg. 325 PCB Oil Spill		Bldg. 325 PCB Oil Spill		Bldg. 325 PCB Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Chloroethoxy)methane	UG/KG			220	U	220	U	500	U	970	U	3700	U
Bis(2-Chloroethyl)ether	UG/KG		5203	220	U	220	U	500	U	970	U	3700	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	220	U	220	U	500	U	970	U	3700	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	220	U	220	U	500	U	970	U	3700	U
Butylbenzylphthalate	UG/KG	50000	105120000	220	U	220	U	500	U	970	U	3700	U
Carbazole	UG/KG		286160	130	J	200	J	820		1400		5300	
Chrysene	UG/KG	400	784000	450		450		2000		3400		12000	
Di-n-butylphthalate	UG/KG	8100		220	U	220	U	500	U	970	U	3700	U
Di-n-octylphthalate	UG/KG	50000	10512000	220	U	220	U	500	U	970	U	3700	U
Dibenz[a,h]anthracene	UG/KG	14	784	110	J	78	J	500		640	J	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	16	J	42	J	140	J	300	J	1200	J
Diethyl phthalate	UG/KG	7100	420480000	12	J	220	U	500	U	970	U	3700	U
Dimethylphthalate	UG/KG	2000	5256000000	220	U	220	U	500	U	970	U	3700	U
Fluoranthene	UG/KG	50000	21024000	1100		1200		5000	E	8900	E	30000	
Fluorene	UG/KG	50000	21024000	44	J	88	J	270	J	580	J	1800	J
Hexachlorobenzene	UG/KG	410	3577	220	U	220	U	500	U	970	U	3700	U
Hexachlorobutadiene	UG/KG		73374	220	U	220	U	500	U	970	U	3700	U
Hexachlorocyclopentadiene	UG/KG		3679200	220	U	220	U	500	U	970	U	3700	U
Hexachloroethane	UG/KG		408800	220	U	220	U	500	U	970	U	3700	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	240		210	J	970		2000		6600	
Isophorone	UG/KG	4400		220	U	220	U	500	U	970	U	3700	U
N-Nitrosodiphenylamine	UG/KG		1168000	220	U	220	U	500	U	970	U	3700	U
N-Nitrosodipropylamine	UG/KG		818	220	U	220	U	500	U	970	U	3700	U
Naphthalene	UG/KG	13000	21024000	220	U	220	U	79	J	240	J	1700	J
Nitrobenzene	UG/KG	200	262800	220	U	220	U	500	U	970	U	3700	U
Pentachlorophenol	UG/KG	1000	47693	530	U	540	U	1200	U	2400	U	9000	U
Phenanthrene	UG/KG	50000		620		940		3200		5800		21000	
Phenol	UG/KG	30	315360000	220	U	220	U	500	U	970	U	3700	U
Pyrene	UG/KG	50000	15768000	940		1100		3800		5900		21000	
TPH	MG/KG			20.4	U	19.5	U	109		1200		1360	

Table 3-9
SEAD-121B - PCBs in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B		SEAD-121B	
				Bldg. 325 PCB		Bldg. 325		Bldg. 325		Bldg. 325		Bldg. 325 PCB	
DESCRIPTION:				Oil Spill		PCB Oil Spill		PCB Oil Spill		PCB Oil Spill		Oil Spill	
LOC ID:				SB121B-1		SB121B-1		SS121B-1		SS121B-2		SS121B-3	
SAMP_ID:				EB212		EB213		EB238		EB239		EB240	
QC CODE:				SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
PCB's													
Aroclor-1016	UG/KG		36792	44	U	40	U	50	U	48	U	37	U
Aroclor-1221	UG/KG			88	U	79	U	100	U	96	U	75	U
Aroclor-1232	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1242	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1248	UG/KG			44	U	40	U	50	U	48	U	37	U
Aroclor-1254	UG/KG	10000	10512	44	U	40	U	50	U	48	U	76	P
Aroclor-1260	UG/KG	10000		44	U	40	U	50	U	48	U	37	U

SEAD-121C

DRMO Yard

Table 4-1

Sample Collection Information
SEAD-121C - DRMO Yard

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121C-1	EB231	3/9/98	0.0	0.2	SA	Location is near the NW fence where surface water flows into drainage ditch. Scrap metal and plastic fragments on ground surface.
SOIL	SB121C-1	EB014	3/9/98	0.0	0.2	DU	Same location as above.
SOIL	SB121C-1	EB232	3/9/98	2.5	3.0	SA	Same location as above. Sample taken at water table. Bedrock at 3 ft. No detected VOC's or impact to soils.
SOIL	SB121C-2	EB226	3/9/98	0.0	0.2	SA	Location is N. of SB121C-1 near concrete storage cells. Surface debris. Small arms projectiles at sample depth.
SOIL	SB121C-2	EB228	3/9/98	2.0	2.5	SA	Same location as above. Sample taken at water table. Bedrock at 3.8 ft. No detected VOC's or impact to soils
SOIL	SB121C-3	EB233	3/9/98	0.0	0 2	SA	Location is SW corner of Building T-355 where spills may of occured.
SOIL	SB121C-3	EB234	3/9/98	2.5	3.0	SA	Same location as above. Mid-depth sample, bedrock at 4.5 ft. No detected VOC's or impact to soils.
SOIL	SB121C-4	EB229	3/9/98	0.0	0.2	SA	Location at midway on south fence line and is downgradient of parking/storage areas.
SOIL	SB121C-4	EB020	3/9/98	0.0	0.2	DU	Same location as above.
SOIL	SB121C-4	EB230	3/9/98	2.5	3.0	SA	Same location as above. Sample taken at fill and former ground surface interface.
SURFACE SOIL	SS121C-1	EB235	3/9/98	0.0	0.2	SA	Sample taken at SW corner of compound, downgradient of parking/storage area and concrete debris containment.

Table 4-1

Sample Collection Information
SEAD-121C - DRMO Yard

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS121C-2	EB236	3/9/98	0.0	0.2	SA	Sample taken along NW fence downgradient of parking area.
SURFACE SOIL	SS121C-3	EB237	3/9/98	0.0	0.2	SA	Sample taken N. of Bldg. 360 near concrete storage bays used for recyclable materials.
SURFACE SOIL	SS121C-4	EB241	3/10/98	0.0	0.2	SA	Sample taken in the NW corner of the yard near the concrete storage bays along the fence. Near drainage of surface water.
GROUNDWATER	MW121C-1	EB153	3/17/98	4.68 (TOC)	11.76 (TOC)	SA	Well located in SW corner of yard, downgradient of surface water drainage and the concrete debris containment.
GROUNDWATER	MW121C-1	EB023	3/17/98	4.68 (TOC)	11.76 (TOC)	DU	Same as above
GROUNDWATER	MW121C-2	EB154	3/17/98	4.75 (TOC)	7.4 (TOC)	SA	Well located in SE corner of yard, downgradient of Bldg. T-355 and parking area.

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	14	0	0.00%	0	0	0	0	800	16396000
1,1,2,2-Tetrachloroethane	UG/KG	14	0	0.00%	0	0	0	0	600	266160
1,1,2-Trichloroethane	UG/KG	14	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	14	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	14	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	14	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	14	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	14	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	14	7	50.00%	28	0	13.71428571	0	200	52560000
Benzene	UG/KG	14	1	7.14%	2	0	2	0	60	197352
Bromodichloromethane	UG/KG	14	0	0.00%	0	0	0	0		82310
Bromoform	UG/KG	14	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	14	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	14	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	14	0	0.00%	0	0	0	0		66133
Chloroethane	UG/KG	14	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	14	4	28.57%	4	0	3.5	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	14	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	14	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	14	0	0.00%	0	0	0	0		751808
Methyl butyl ketone	UG/KG	14	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	14	0	0.00%	0	0	0	0		440248
Methyl ethyl ketone	UG/KG	14	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	14	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	14	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	14	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	14	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	14	14	100.00%	28	0	8.285714286	0	1500	105120000
Total Xylenes	UG/KG	14	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	14	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	14	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	14	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	1600	46776400
1,4-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	14	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	14	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	14	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	14	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	14	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	14	1	7.14%	45	0	45	0		1051200
2,6-Dinitrotoluene	UG/KG	14	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	14	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	14	0	0.00%	0	0	0	0	800	2626000
2-Methylnaphthalene	UG/KG	14	7	50.00%	18	0	8.8	0	36400	
2-Methylphenol	UG/KG	14	0	0.00%	0	0	0	0	100	26260000
2-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	14	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	14	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	14	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	14	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	14	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	14	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	14	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	14	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	14	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	14	7	50.00%	52	0	25.75714286	0	50000	
Acenaphthylene	UG/KG	14	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	14	7	50.00%	96	0	42.78571429	0	50000	157680000
Benzo[a]anthracene	UG/KG	14	12	85.71%	420	2	105.1916667	0	224	7840
Benzo[a]pyrene	UG/KG	14	10	71.43%	370	4	104.34	0	61	784
Benzo[b]fluoranthene	UG/KG	14	11	78.57%	530	0	127.0363636	0	1100	7840
Benzo[ghi]perylene	UG/KG	14	10	71.43%	380	0	87.32	0	50000	
Benzo[k]fluoranthene	UG/KG	14	10	71.43%	390	0	116.54	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	14	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	14	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	14	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	14	14	100.00%	200	0	30.03571429	0	50000	408600
Butylbenzylphthalate	UG/KG	14	4	28.57%	24	0	12.05	0	50000	105120000
Carbazole	UG/KG	14	7	50.00%	130	0	60.57142857	0		286100
Chrysene	UG/KG	14	12	85.71%	510	1	124.3416667	0	400	784000
Di-n-butylphthalate	UG/KG	14	8	57.14%	50	0	17.9	0	8100	
Di-n-octylphthalate	UG/KG	14	5	35.71%	17	0	8.88	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	14	8	57.14%	150	8	48.1625	0	14	784
Dibenzofuran	UG/KG	14	6	42.86%	22	0	14.85	0	6200	2102400
Diethyl phthalate	UG/KG	14	13	92.86%	18	0	9.261538462	0	7100	420480000
Dimethylphthalate	UG/KG	14	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	14	12	85.71%	620	0	244.9833333	0	50000	21024000
Fluorene	UG/KG	14	7	50.00%	43	0	23.28571429	0	50000	21024000
Hexachlorobenzene	UG/KG	14	1	7.14%	8.5	0	8.5	0	410	3577
Hexachlorobutadiene	UG/KG	14	0	0.00%	0	0	0	0		73374

Table 4-2
S121C - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	14	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	14	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	14	10	71.43%	350	0	61.11	0	3200	7640
Isophorone	UG/KG	14	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	14	1	7.14%	4.8	0	4.8	0		1168000
N-Nitrosodipropylamine	UG/KG	14	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	14	6	42.86%	14	0	9.883333333	0	13000	21024000
Nitrobenzene	UG/KG	14	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	14	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	14	11	78.57%	520	0	170.4636364	0	50000	
Phenol	UG/KG	14	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	14	12	85.71%	820	0	205.925	0	50000	15768000
TPH	MG/KG	14	12	85.71%	820	0	179.158	0		
Pesticides/PCBs										
4,4`-DDD	UG/KG	14	1	7.14%	7.4	0	7.4	0	2800	23847
4,4`-DDE	UG/KG	14	9	64.29%	69	0	22.42222222	0	2100	16833
4,4`-DDT	UG/KG	14	8	57.14%	100	0	27.5	0	2100	16833
Aldrin	UG/KG	14	0	0.00%	0	0	0	0	41	337
Alpha-BHC	UG/KG	14	1	7.14%	1.5	0	1.5	0	110	
Alpha-Chlordane	UG/KG	14	1	7.14%	1	0	1	0		
Aroclor-1016	UG/KG	14	0	0.00%	0	0	0	0		36792
Aroclor-1221	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1232	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1242	UG/KG	14	1	7.14%	58	0	58	0		
Aroclor-1248	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1254	UG/KG	14	2	14.29%	79	0	75.5	0	10000	10512
Aroclor-1260	UG/KG	14	5	35.71%	200	0	74.4	0	10000	
Beta-BHC	UG/KG	14	0	0.00%	0	0	0	0	200	
Delta-BHC	UG/KG	14	4	28.57%	2	0	1.3625	0	300	
Dieldrin	UG/KG	14	0	0.00%	0	0	0	0	44	358
Endosulfan I	UG/KG	14	0	0.00%	0	0	0	0	900	3153600
Endosulfan II	UG/KG	14	0	0.00%	0	0	0	0	900	3153600
Endosulfan sulfate	UG/KG	14	0	0.00%	0	0	0	0	1000	
Endrin	UG/KG	14	0	0.00%	0	0	0	0	100	157680
Endrin aldehyde	UG/KG	14	0	0.00%	0	0	0	0		157680
Endrin ketone	UG/KG	14	1	7.14%	3.8	0	3.8	0		157680
Gamma-BHC/Lindane	UG/KG	14	0	0.00%	0	0	0	0	60	4402
Gamma-Chlordane	UG/KG	14	1	7.14%	1.2	0	1.2	0	540	
Heptachlor	UG/KG	14	1	7.14%	2.1	0	2.1	0	100	1272
Heptachlor epoxide	UG/KG	14	3	21.43%	2.8	0	1.766666667	0	20	629
Methoxychlor	UG/KG	14	0	0.00%	0	0	0	0		2628000
Toxaphene	UG/KG	14	0	0.00%	0	0	0	0		
Metals										
Aluminum	MG/KG	14	14	100.00%	16200	0	11532.86	0	19520	525600
Antimony	MG/KG	14	13	92.86%	19.3	3	5.08	0	6	210
Arsenic	MG/KG	14	14	100.00%	8.1	0	5.53	0	8.9	4
Barium	MG/KG	14	14	100.00%	1800	4	377.80	0	300	36792
Beryllium	MG/KG	14	14	100.00%	0.72	0	0.45	0	1.13	1
Cadmium	MG/KG	14	7	50.00%	21.1	6	10.34	0	2.48	263
Calcium	MG/KG	14	14	100.00%	286000	3	72640.00	0	125300	
Chromium	MG/KG	14	14	100.00%	49.2	6	27.24	0	30	525600
Cobalt	MG/KG	14	14	100.00%	19.7	0	12.99	0	30	31536
Copper	MG/KG	14	14	100.00%	9750	9	1531.21	0	33	21024
Cyanide	MG/KG	14	0	0.00%	0	0	0.00	0	0.35	
Iron	MG/KG	14	14	100.00%	54100	5	30598.57	0	37410	157680
Lead	MG/KG	14	14	100.00%	5280	10	955.09	0	24.4	
Magnesium	MG/KG	14	14	100.00%	15400	0	7874.29	0	21700	
Manganese	MG/KG	14	14	100.00%	752	0	460.43	0	1100	12089
Mercury	MG/KG	14	7	50.00%	0.15	2	0.09	0	0.1	158
Nickel	MG/KG	14	14	100.00%	224	8	56.92	0	50	10512
Potassium	MG/KG	14	14	100.00%	1990	0	1609.29	0	2623	
Selenium	MG/KG	14	0	0.00%	0	0	0.00	0	2	2628
Silver	MG/KG	14	4	28.57%	21.8	4	7.48	0	0.8	2628
Sodium	MG/KG	14	8	57.14%	606	6	267.88	0	188	
Thallium	MG/KG	14	0	0.00%	0	0	0.00	0	0.855	42
Vanadium	MG/KG	14	14	100.00%	21.8	0	17.87	0	150	3679
Zinc	MG/KG	14	14	100.00%	1350	10	419.80	0	115	157680

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		ORMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB228		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		OU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																	
1,1,1-Trichloroethane	UG/KG	800	18396000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286150	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloroethene (total)	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloropropane	UG/KG		84185	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Acetone	UG/KG	200	52560000	12	U	12	U	14		12	J	11	U	11	U	16	
Benzene	UG/KG	60	197352	12	U	12	U	12	U	12	U	2	J	11	U	11	U
Bromodichloromethane	UG/KG		92310	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Bromoform	UG/KG		724456	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Carbon disulfide	UG/KG	2700	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Carbon tetrachloride	UG/KG	600	44025	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chlorobenzene	UG/KG	1700	10512000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chlorodibromomethane	UG/KG		68133	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chloroethane	UG/KG	1900	210240000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chloroform	UG/KG	300	938230	12	U	12	U	12	U	12	U	4	J	11	U	11	U
Cis-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Ethyl benzene	UG/KG	5500	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl bromide	UG/KG		751808	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl butyl ketone	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl chloride	UG/KG		440246	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl ethyl ketone	UG/KG	300		12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methylene chloride	UG/KG	100	763093	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Styrene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Tetrachloroethene	UG/KG	1400	110082	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Toluene	UG/KG	1500	105120000	3	J	2	J	7	J	5	J	5	J	2	J	9	J
Total Xylenes	UG/KG	1200	1051200000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Trans-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Trichloroethene	UG/KG	700	520291	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Vinyl chloride	UG/KG	200	3012	12	U	12	U	12	U	12	U	11	U	11	U	11	U

Table 4-3
S121C - Volatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-12		SEAD-121	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																	
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloropropane	UG/KG		84165	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Acetone	UG/KG	200	52560000	10	J	11	U	28		10	J	11	U	11	U	6	JB
Benzene	UG/KG	60	197352	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Bromodichloromethane	UG/KG		92310	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Bromoform	UG/KG		724456	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Carbon disulfide	UG/KG	2700	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Carbon tetrachloride	UG/KG	600	44025	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chlorobenzene	UG/KG	1700	10512000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chlorodibromomethane	UG/KG		68133	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chloroethane	UG/KG	1900	210240000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chloroform	UG/KG	300	938230	11	U	4	J	2	J	11	U	11	U	11	U	4	J
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Ethyl benzene	UG/KG	5500	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl bromide	UG/KG		751808	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl butyl ketone	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl chloride	UG/KG		440246	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methylene chloride	UG/KG	100	763093	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Styrene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Tetrachloroethene	UG/KG	1400	110062	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Toluene	UG/KG	1500	105120000	12		10	J	4	J	9	J	28		4	J	16	
Total Xylenes	UG/KG	1200	1051200000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Trichloroethene	UG/KG	700	520291	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Vinyl chloride	UG/KG	200	3012	11	U	11	U	11	U	11	U	11	U	11	U	11	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		OU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																	
1,2,4-Trichlorobenzene	UG/KG	3400	5258000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,2-Dichlorobenzene	UG/KG	7900	4730400	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,3-Dichlorobenzene	UG/KG	1600	48778400	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,4-Dichlorobenzene	UG/KG	8500	238467	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		520291	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dichlorophenol	UG/KG	400	1576800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dimethylphenol	UG/KG		10512000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dinitrophenol	UG/KG	200	1051200	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		1051200	45	J	78	U	77	U	73	U	75	U	72	U	77	U
2,6-Dinitrotoluene	UG/KG	1000	525600	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Chloronaphthalene	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Chlorophenol	UG/KG	800	2628000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Methylnaphthalene	UG/KG	36400		8.6	J	78	U	77	U	4.3	J	7	J	5.5	J	8.3	J
2-Methylphenol	UG/KG	100	26280000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Nitroaniline	UG/KG	430	31536	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2-Nitrophenol	UG/KG	330		73	U	78	U	77	U	73	U	75	U	72	U	77	U
3,3'-Dichlorobenzidine	UG/KG		12718	73	U	78	U	77	U	73	U	75	U	72	U	77	U
3-Nitroaniline	UG/KG	500	1576800	180	U	190	U	190	U	180	U	180	U	180	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	190	U	190	U	180	U	180	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		30484800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chloro-3-methylphenol	UG/KG	240		73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chloroaniline	UG/KG	220	2102400	73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chlorophenyl phenyl ether	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Methylphenol	UG/KG	900		73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Nitroaniline	UG/KG		1576800	180	U	180	U	190	U	180	U	180	U	180	U	190	U
4-Nitrophenol	UG/KG	100	31536000	180	U	190	U	190	U	180	U	180	U	180	U	190	U
Acenaphthene	UG/KG	50000		32	J	78	U	77	U	6.8	J	20	J	72	U	13	J
Acenaphthylene	UG/KG	41000		73	U	78	U	77	U	73	U	75	U	72	U	77	U
Anthracene	UG/KG	50000	157680000	52	J	78	U	77	U	15	J	41	J	72	U	19	J
Benzo[a]anthracene	UG/KG	224	7840	180		78	U	4.6	J	76		140		8.2	J	68	J
Benzo[a]pyrene	UG/KG	61	784	[redacted]		78	U	6.3	J	57	J	[redacted]		8.1	J	58	J
Benzo[b]fluoranthene	UG/KG	1100	7840	200		78	U	6.8	J	95		110		13	J	74	J
Benzo[ghi]perylene	UG/KG	50000		98		78	U	12	J	42	J	65	J	11	J	54	J
Benzo[k]fluoranthene	UG/KG	1100	78400	150		78	U	5.7	J	67	J	120		7	J	70	J
Bis(2-Chloroethoxy)methane	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Chloroethyl)ether	UG/KG		5203	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408600	8.6	JB	13	J	10	J	15	JB	21	J	9.2	J	39	J
Butylbenzylphthalate	UG/KG	50000	105120000	73	U	78	U	77	U	73	U	6.4	J	72	U	77	U
Carbazole	UG/KG		280160	73	J	78	U	77	U	17	J	56	J	72	U	34	J
Chrysene	UG/KG	400	784000	210		78	U	5.5	J	90		160		11	J	82	
Di-n-butylphthalate	UG/KG	8100		27	JB	78	U	77	U	10	JB	19	J	72	U	5.3	J
Di-n-octylphthalate	UG/KG	50000	10512000	73	U	9.9	J	9.8	J	73	U	17	J	72	U	77	U
Dibenz[a,h]anthracene	UG/KG	14	784	[redacted]	J	78	U	9.7	J	[redacted]	J	[redacted]	J	72	U	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	19	J	78	U	77	U	5.1	J	13	J	72	U	8	J
Diethyl phthalate	UG/KG	7100	420480000	7.2	JB	5.8	JB	8.9	JB	11	JB	6.8	JB	8.5	JB	18	JB
Dimethylphthalate	UG/KG	2000	5258000000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Fluoranthene	UG/KG	50000	21024000	520		78	U	4.8	J	160		390		13	J	160	
Fluorene	UG/KG	50000	21024000	32	J	78	U	77	U	6	J	22	J	72	U	12	J
Hexachlorobenzene	UG/KG	410	3577	8.5	J	78	U	77	U	73	U	75	U	72	U	77	U
Hexachlorobutadiene	UG/KG		73374	73	U	78	U	77	U	73	U	75	U	72	U	77	U

Table 4-4
S121C - Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMQ Yard		DRMQ Yard		DRMQ Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233	
QC CODE:				SA		SA		SA		DU		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Hexachlorocyclopentadiene	UG/KG		3679200	73	U	78	U	77	U	73	U	75	U	72	U
Hexachloroethane	UG/KG		408800	73	U	78	U	77	U	73	U	75	U	72	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	94		78	U	8.6	J	41	J	58	J	8.6	J
Isophorone	UG/KG	4400		73	U	78	U	77	U	73	U	75	U	72	U
N-Nitrosodiphenylamine	UG/KG		1166000	4.8	J	78	U	77	U	73	U	75	U	72	U
N-Nitrosodipropylamine	UG/KG		818	73	U	78	U	77	U	73	U	75	U	72	U
Naphthalene	UG/KG	13000	21024000	11	J	78	U	77	U	73	U	12	J	72	U
Nitrobenzene	UG/KG	200	262600	73	U	78	U	77	U	73	U	75	U	72	U
Pentachlorophenol	UG/KG	1000	47693	180	U	190	U	190	U	180	U	180	U	180	U
Phenanthrene	UG/KG	50000		360		78	U	77	U	98		290		8.8	J
Phenol	UG/KG	30	315360000	73	U	78	U	77	U	73	U	75	U	72	U
Pyrene	UG/KG	50000	15768000	380		78	U	4.7	J	170		290		13	J
TPH	MG/KG			23.4		16.7	U	90.4		28.3		18.5		19	

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-3		SB121C-3		SB121C-3		SB121C-3		SB121C-3		SB121C-3	
SAMP_ID:				EB234		EB235		EB236		EB237		EB238		EB239	
QC CODE:				SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				2.5		0		2		0		2		0	
SAMP. DEPTH BOT:				3		0.2		2.5		0.2		2.5		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Hexachlorocyclopentadiene	UG/KG		3679200	77	U	72	U	75	U	72	U	75	U	72	U
Hexachloroethane	UG/KG		408800	77	U	72	U	75	U	72	U	75	U	72	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	48	J	8.6	J	58	J	8.6	J	41	J	8.6	J
Isophorone	UG/KG	4400		77	U	72	U	75	U	72	U	75	U	72	U
N-Nitrosodiphenylamine	UG/KG		1166000	77	U	72	U	75	U	72	U	75	U	72	U
N-Nitrosodipropylamine	UG/KG		818	77	U	72	U	75	U	72	U	75	U	72	U
Naphthalene	UG/KG	13000	21024000	6.9	J	72	U	75	U	72	U	75	U	72	U
Nitrobenzene	UG/KG	200	262600	77	U	72	U	75	U	72	U	75	U	72	U
Pentachlorophenol	UG/KG	1000	47693	190	U	180	U	180	U	180	U	180	U	180	U
Phenanthrene	UG/KG	50000		110		8.8	J	290		98		290		360	
Phenol	UG/KG	30	315360000	77	U	72	U	75	U	72	U	75	U	72	U
Pyrene	UG/KG	50000	15768000	130		13	J	290		170		290		380	
TPH	MG/KG			213		19		18.5		28.3		90.4		16.7	U

Table 4-4
S121C - Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-12		SEAD-121	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																	
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,3-Dichlorobenzene	UG/KG	1600	46776400	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,4-Dichlorobenzene	UG/KG	8500	236467	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2,4,6-Trichlorophenol	UG/KG		520291	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dichlorophenol	UG/KG	400	1576800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dimethylphenol	UG/KG		10512000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dinitrophenol	UG/KG	200	1051200	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2,4-Dinitrotoluene	UG/KG		1051200	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,6-Dinitrotoluene	UG/KG	1000	525600	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Chloronaphthalene	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Chlorophenol	UG/KG	800	2626000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Methylnaphthalene	UG/KG	36400		72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Methylphenol	UG/KG	100	26280000	72	U	71	U	76	U	72	U	69	U	18	J	9.9	J
2-Nitroaniline	UG/KG	430	31536	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2-Nitrophenol	UG/KG	330		72	U	71	U	76	U	72	U	69	U	180	U	170	U
3,3'-Dichlorobenzidine	UG/KG		12718	72	U	71	U	76	U	72	U	69	U	180	U	170	U
3-Nitroaniline	UG/KG	500	1576800	170	U	170	U	180	U	180	U	170	U	440	U	420	U
4,6-Dinitro-2-methylphenol	UG/KG			170	U	170	U	180	U	180	U	170	U	440	U	420	U
4-Bromophenyl phenyl ether	UG/KG		30484800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chloroaniline	UG/KG	220	2102400	72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Methylphenol	UG/KG	900		72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Nitroaniline	UG/KG		1576800	170	U	170	U	180	U	180	U	170	U	440	U	420	U
4-Nitrophenol	UG/KG	100	31536000	170	U	170	U	180	U	180	U	170	U	440	U	420	U
Acenaphthene	UG/KG	50000		72	U	71	U	76	U	72	U	6.5	J	50	J	52	J
Acenaphthylene	UG/KG	41000		72	U	71	U	76	U	72	U	69	U	180	U	170	U
Anthracene	UG/KG	50000	157680000	72	U	71	U	76	U	72	U	6.5	J	96	J	70	J
Benzo[a]anthracene	UG/KG	224	7840	3.9	J	7	J	4.6	J	72	U	30	J	[redacted]		[redacted]	
Benzo[a]pyrene	UG/KG	61	784	72	U	71	U	6	J	72	U	28	J				
Benzo[b]fluoranthene	UG/KG	1100	7840	13	J	71	U	5.8	J	72	U	40	J	530		310	
Benzo[ghi]perylene	UG/KG	50000		72	U	71	U	6.2	J	72	U	15	J	380		190	
Benzo[k]fluoranthene	UG/KG	1100	78400	72	U	71	U	6.7	J	72	U	29	J	340		390	
Bis(2-Chloroethoxy)methane	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Chloroethyl)ether	UG/KG		5203	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	9.3	J	13	J	14	J	7.2	J	9.2	J	200		52	JB
Butylbenzylphthalate	UG/KG	50000	105120000	72	U	71	U	76	U	72	U	7.8	J	24	J	10	J
Carbazole	UG/KG		286160	72	U	71	U	76	U	72	U	14	J	130	J	100	J
Chrysene	UG/KG	400	784000	8.6	J	12	J	7.8	J	72	U	35	J	[redacted]		360	
Di-n-butylphthalate	UG/KG	8100		72	U	3.7	J	76	U	6.2	J	69	U	50	J	20	JB
Di-n-octylphthalate	UG/KG	50000	10512000	72	U	71	U	3.9	J	72	U	3.6	J	180	U	170	U
Dibenz[a,h]anthracene	UG/KG	14	784	72	U	71	U	76	U	72	U	7.8	J	[redacted]	J	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	72	U	71	U	76	U	72	U	69	U	22	J	22	J
Diethyl phthalate	UG/KG	7100	420480000	8.1	JB	10	BJ	4.7	JB	11	JB	9.4	JB	11	JB	170	U
Dimethylphthalate	UG/KG	2000	5256000000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Fluoranthene	UG/KG	50000	21024000	7.4	J	10	J	9.8	J	72	U	85	J	820		760	
Fluorene	UG/KG	50000	21024000	72	U	71	U	76	U	72	U	5	J	41	J	43	J
Hexachlorobenzene	UG/KG	410	3577	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Hexachlorobutadiene	UG/KG		73374	72	U	71	U	76	U	72	U	69	U	180	U	170	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-12		SEAD-121	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Hexachlorocyclopentadiene	UG/KG		3879200	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Hexachloroethane	UG/KG		408800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	72	U	71	U	5.9	J	72	U	17	J	350		160	
Isophorone	UG/KG	4400		72	U	71	U	76	U	72	U	69	U	180	U	170	U
N-Nitrosodiphenylamine	UG/KG		1168000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
N-Nitrosodipropylamine	UG/KG		816	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Naphthalene	UG/KG	13000	21024000	72	U	71	U	76	U	72	U	4	J	14	J	12	J
Nitrobenzene	UG/KG	200	262600	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Pentachlorophenol	UG/KG	1000	47693	170	U	170	U	180	U	180	U	170	U	440	U	420	U
Phenanthrene	UG/KG	50000		8.8	J	7.6	J	5.9	J	72	U	36	J	520		440	
Phenol	UG/KG	30	315360000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Pyrene	UG/KG	50000	15768000	8.3	J	14	J	8.1	J	72	U	53	J	820		580	
TPH	MG/KG			413		303		38.4		19.3	U	109		462		66.3	

Table 4-5
S121C - Pesticides/PCB in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs																	
4,4`-DDD	UG/KG	2900	23847	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
4,4`-DDE	UG/KG	2100	16833	13		3.9	U	3.8	U	29		13		3.6	U	17	
4,4`-DDT	UG/KG	2100	16833	16		3.9	U	3.8	U	35		9.8		3.6	U	16	
Aldrin	UG/KG	41	337	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Alpha-BHC	UG/KG	110		1.8	U	2	U	2	U	1.5	JP	1.9	U	1.9	U	2	U
Alpha-Chlordane	UG/KG			1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Aroclor-1016	UG/KG		36792	37	U	39	U	38	U	37	U	36	U	36	U	38	U
Aroclor-1221	UG/KG			74	U	79	U	78	U	74	U	76	U	74	U	78	U
Aroclor-1232	UG/KG			37	U	39	U	38	U	37	U	38	U	38	U	38	U
Aroclor-1242	UG/KG			37	U	39	U	38	U	37	U	36	U	36	U	38	U
Aroclor-1248	UG/KG			37	U	39	U	38	U	37	U	38	U	38	U	38	U
Aroclor-1254	UG/KG	10000	10512	37	U	39	U	38	U	37	U	36	U	36	U	38	U
Aroclor-1260	UG/KG	10000		37	U	39	U	38	U	30	JP	200		36	U	21	JP
Beta-BHC	UG/KG	200		1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Delta-BHC	UG/KG	300		1.8	U	2	U	2	U	0.95	JP	1.3	JP	1.9	U	2	U
Dieldrin	UG/KG	44	358	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endosulfan I	UG/KG	900	3153600	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Endosulfan II	UG/KG	900	3153600	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin	UG/KG	100	157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin aldehyde	UG/KG		157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin ketone	UG/KG		157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Gamma-Chlordane	UG/KG	540		1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Heptachlor	UG/KG	100	1272	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Heptachlor epoxide	UG/KG	20	629	1.8	U	2	U	2	U	1.8	U	1.1	JP	1.9	U	2	U
Methoxychlor	UG/KG		2626000	18	U	20	U	20	U	18	U	19	U	19	U	20	U
Toxaphene	UG/KG			180	U	200	U	200	U	180	U	190	U	190	U	200	U

Table 4-5
S121C - Pesticides/PCB in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-12		SEAD-121	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs																	
4,4'-DDD	UG/KG	2900	23847	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	7.4		3.5	U
4,4'-DDE	UG/KG	2100	16833	3.8		4.5		2.5	J	3.6	U	3.5	U	69	E	50	
4,4'-DDT	UG/KG	2100	16833	1.9	J	2.3	JP	3.6	U	3.6	U	3.5	U	100	E	37	
Aldrin	UG/KG	41	337	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Alpha-BHC	UG/KG	110		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Alpha-Chlordane	UG/KG			1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1	JP
Aroclor-1016	UG/KG		38792	36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1221	UG/KG			73	U	72	U	77	U	74	U	70	U	74	U	71	U
Aroclor-1232	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1242	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	58	P
Aroclor-1248	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1254	UG/KG	10000	10512	36	U	35	U	38	U	36	U	35	U	72		79	
Aroclor-1260	UG/KG	10000		36	U	35	U	38	U	36	U	35	U	65	P	36	P
Beta-BHC	UG/KG	200		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Delta-BHC	UG/KG	300		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.2	JP	2	P
Dieldrin	UG/KG	44	358	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endosulfan I	UG/KG	900	3153600	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Endosulfan II	UG/KG	900	3153600	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endosulfan sulfate	UG/KG	1000		3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin	UG/KG	100	157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin aldehyde	UG/KG		157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin ketone	UG/KG		157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.8	P	3.5	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Gamma-Chlordane	UG/KG	540		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.2	JP
Heptachlor	UG/KG	100	1272	1.8	U	1.8	U	2	U	1.9	U	1.8	U	2.1	P	1.8	U
Heptachlor epoxide	UG/KG	20	629	1.8	U	1.8	U	2	U	1.9	U	1.8	U	2.8	P	1.4	JP
Methoxychlor	UG/KG		2628000	18	U	18	U	20	U	19	U	18	U	19	U	18	U
Toxaphene	UG/KG			180	U	180	U	200	U	190	U	180	U	190	U	180	U

Table 4-6
S121C - Metals in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals																	
Aluminum	MG/KG	19520	525600	15100		12800		13400		14500		16200		1730		8880	
Antimony	MG/KG	6	210	17.5	N	1.1	BN	1.4	BN	19.3	N	11.2	BN	0.93	BN	0.98	BN
Arsenic	MG/KG	8.9	4	6.5		5.5		4.4		6.1		8.1		3.8		4.6	
Barium	MG/KG	300	36792	1410		64.9		64.2		1600		1600		18.1	B	46.3	B
Beryllium	MG/KG	1.13	1	0.47	B	0.52	B	0.72	B	0.4	B	0.43	B	0.25	B	0.32	B
Cadmium	MG/KG	2.46	263	2.3	*	0.07	U	0.07	U	2.7	*	5.1		0.07	U	0.07	U
Calcium	MG/KG	125300		23400		2580	*	2280	*	31300		31600	*	2500	*	97200	*
Chromium	MG/KG	30	525600	35.2	*	20.9		21		31.9	*	37		3.8		13.1	
Cobalt	MG/KG	30	31536	15.7		12.8		9.4	B	16.5		16		3.5	B	7.7	B
Copper	MG/KG	33	21024	9750	*	19.7	N*	18.7	N*	7890	*	2440	N*	8.8	N*	20.6	N*
Cyanide	MG/KG	0.35		0.56	U	0.63	U	0.65	U	0.59	U	0.63	U	0.58	U	0.58	U
Iron	MG/KG	37410	157680	41500		25700		23800		31100		34100		4230		16500	
Lead	MG/KG	24.4		5000		11.8		14.1		5280		1700		11.7		39.3	
Magnesium	MG/KG	21700		6810	*	4590		4040		6820	*	6480		10200		8000	
Manganese	MG/KG	1100	12089	525		566		299		612		752		213		473	
Mercury	MG/KG	0.1	158	0.07	B	0.06	U	0.05	B	0.05	U	0.07	B	0.04	U	0.06	U
Nickel	MG/KG	50	10512	30.5	E*	40.5		35.8		54.1	E*	26.6		11.6		22.3	
Potassium	MG/KG	2623		1990		1600		1670		1840		1220		1150		1500	
Selenium	MG/KG	2	2628	1	UN	1.1	U	1.1	U	0.92	UN	0.97	U	1	U	1.1	U
Silver	MG/KG	0.8	2628	0.46	U	0.48	U	0.48	U	0.41	U	0.43	U	0.46	U	0.49	U
Sodium	MG/KG	188		372	B	139	U	138	U	688	B	214	B	132	U	141	U
Thallium	MG/KG	0.855	42	1.4	U	1.4	UN	1.4	UN	1.2	U	1.3	UN	1.4	UN	1.5	UN
Vanadium	MG/KG	150	3679	20.9	E	20.8		21.8		19.5	E	19.3		5.1	B	14.4	
Zinc	MG/KG	115	157680	1350		80.3	N	70.5	N	1280		697	N	29.8	N	77.6	N

Table 4-6
S121C - Metals in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-12		SEAD-121	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals																	
Aluminum	MG/KG	19520	525600	14400		13000		15700		12800		12600		7650		2700	
Antimony	MG/KG	5	210	1.7	BN	0.81	BN	0.69	UN	2.5	BN	2.2	BN	3.4	BN	2.9	BN
Arsenic	MG/KG	8.9	4	5		3.7		6.4		5.2		6.3		6.4		5.4	
Barium	MG/KG	300	36792	86.6		69.6		72.4		57.7		252		[redacted]		90.6	
Beryllium	MG/KG	1.13	1	0.57	B	0.49	B	0.63	B	0.56	B	0.48	B	0.3	B	0.21	B
Cadmium	MG/KG	2.46	263	0.07	U	0.05	U	0.06	U	[redacted]		[redacted]		[redacted]		[redacted]	
Calcium	MG/KG	125300		17200	*	25500	*	13000	*	11800	*	53100	*	[redacted]	*	[redacted]	*
Chromium	MG/KG	30	525600	27.8		22.6		30		[redacted]		[redacted]		[redacted]		9.2	
Cobalt	MG/KG	30	31536	17.6		12.5		19.7		14		15.5		11.3		9.6	B
Copper	MG/KG	33	21024	[redacted]	N*	33	N*	[redacted]	N*	[redacted]	N*	[redacted]	N*	[redacted]	N*	[redacted]	N*
Cyanide	MG/KG	0.35		0.56	U	0.61	U	0.63	U	0.62	U	0.53	U	0.59	U	0.54	U
Iron	MG/KG	37410	157680	32000		25900		35600		[redacted]		[redacted]		35000		8050	
Lead	MG/KG	24.4		[redacted]		23.5		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]	
Magnesium	MG/KG	21700		6980		5630		7500		6220		12800		8770		15400	
Manganese	MG/KG	1100	12089	413		359		394		364		403		494		407	
Mercury	MG/KG	0.1	158	0.04	U	0.04	U	0.06	B	0.05	U	0.1		[redacted]		[redacted]	
Nickel	MG/KG	50	10512	[redacted]		49.3		[redacted]		[redacted]		[redacted]		[redacted]		19.5	
Potassium	MG/KG	2623		1980		1450		1870		1480		1890		1600		1290	
Selenium	MG/KG	2	2628	1	U	0.8	U	0.92	U	1	U	0.99	U	1	U	1	U
Silver	MG/KG	0.8	2628	0.46	U	0.36	U	0.41	U	[redacted]	B	[redacted]	B	[redacted]	B	[redacted]	B
Sodium	MG/KG	188		132	U	110	B	119	U	[redacted]	B	[redacted]	B	[redacted]	B	147	B
Thallium	MG/KG	0.855	42	1.4	UN	1.1	UN	1.2	UN	1.4	UN	1.3	UN	1.4	UN	1.3	UN
Vanadium	MG/KG	150	3679	21		17		21.7		18.6		20.1		21.5		8.5	B
Zinc	MG/KG	115	157680	[redacted]	N	[redacted]	N	[redacted]	N	[redacted]	N	[redacted]	N	[redacted]	N	[redacted]	N

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	CRITERIA ONE	NYS CLASS GA	DRINKING WATER
Volatiles											
1,1,1-Trichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	792.55
1,1,2,2-Tetrachloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.52
1,1,2-Trichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.19
1,1-Dichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	811.74
1,1-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.04
1,2-Dibromo-3-chloropropan	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.12
1,2-Dibromoethane	UG/L	3	0	0.00%	0	0	0	0		5.	
1,2-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.99
1,2-Dichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5	0.12
1,2-Dichloropropane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5	0.99
1,3-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5	3200.00
1,4-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	4.7	2.60
Acetone	UG/L	3	3	100.00%	61	0	49.66666667	0	DRINKING WATER (NON-CARCINOGEN)		3650.00
Benzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.7	0.36
Bromochloromethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		1.06
Bromodichloromethane	UG/L	3	1	33.33%	1	0	1	0	DRINKING WATER (CARCINOGEN)		1.10
Bromoform	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		2.35
Carbon disulfide	UG/L	3	3	100.00%	4	0	2.666666667	0	DRINKING WATER (NON-CARCINOGEN)		1042.86
Carbon tetrachloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.18
Chlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	39.43
Chlorodibromomethane	UG/L	3	1	33.33%	2	0	2	0	DRINKING WATER (CARCINOGEN)		0.80
Chloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	8591.77
Chloroform	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	7.	0.15
Cis-1,2-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0		5	
Cis-1,3-Dichloropropene	UG/L	3	0	0.00%	0	0	0	0		5.	
Ethyl benzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	1328.12
Methyl bromide	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		8.70
Methyl butyl ketone	UG/L	3	0	0.00%	0	0	0	0			
Methyl chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.44
Methyl ethyl ketone	UG/L	3	0	0.00%	0	0	0	0		50.	
Methyl isobutyl ketone	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		156.12
Methylene chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	4.12
Styrene	UG/L	3	0	0.00%	0	0	0	0			
Tetrachloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.07
Toluene	UG/L	3	1	33.33%	1	0	1	0	DRINKING WATER (NON-CARCINOGEN)	5.	747.04
Total Xylenes	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	73000.00
Trans-1,2-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0		5	
Trans-1,3-Dichloropropene	UG/L	3	0	0.00%	0	0	0	0		5.	
Trichloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.56
Vinyl chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	2.	0.02
Semivolatiles											
1,2,4-Trichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	194.60
1,2-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	4.7	268.18
1,3-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5	3248.50
1,4-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	4.7	2.60
2,4,5-Trichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		3650.00
2,4,6-Trichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.97
2,4-Dichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		109.50
2,4-Dimethylphenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	730.00
2,4-Dinitrophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		73.00
2,4-Dinitrotoluene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	73.00
2,6-Dinitrotoluene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	36.50
2-Chloronaphthalene	UG/L	2	0	0.00%	0	0	0	0			
2-Chlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		182.50
2-Methylnaphthalene	UG/L	2	0	0.00%	0	0	0	0			
2-Methylphenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	1825.00
2-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		0.35
2-Nitrophenol	UG/L	2	0	0.00%	0	0	0	0			
3,3'-Dichlorobenzidine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.15
3-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		109.50
4,6-Dinitro-2-methylphenol	UG/L	2	0	0.00%	0	0	0	0		5	
4-Bromophenyl phenyl ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2117.00
4-Chloro-3-methylphenol	UG/L	2	0	0.00%	0	0	0	0			
4-Chloroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	146.00
4-Chlorophenyl phenyl ether	UG/L	2	0	0.00%	0	0	0	0			
4-Methylphenol	UG/L	2	0	0.00%	0	0	0	0		5.	
4-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	109.50
4-Nitrophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2190.00
Acenaphthene	UG/L	2	0	0.00%	0	0	0	0			
Acenaphthylene	UG/L	2	0	0.00%	0	0	0	0			
Anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		10950.00
Benzo[a]anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Benzo[a]pyrene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	10.	0.00
Benzo[b]fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Benzo[ghi]perylene	UG/L	2	0	0.00%	0	0	0	0			
Benzo[k]fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.17
Bis(2-Chloroethoxy)methane	UG/L	2	0	0.00%	0	0	0	0			
Bis(2-Chloroethyl)ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.01
Bis(2-Chloroisopropyl)ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.26
Bis(2-Ethylhexyl)phthalate	UG/L	2	2	100.00%	0.4	0	0.315	0	DRINKING WATER (CARCINOGEN)	50.	4.80
Butylbenzylphthalate	UG/L	2	1	50.00%	0.12	0	0.12	0	DRINKING WATER (NON-CARCINOGEN)		7300.00
Carbazole	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		3.36
Chrysene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		1.66
Di-n-butylphthalate	UG/L	2	2	100.00%	1.7	0	1.245	0		50.	
Di-n-octylphthalate	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		730.00
Dibenz[a,h]anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.00
Dibenzofuran	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		146.00
Diethyl phthalate	UG/L	2	1	50.00%	0.057	0	0.057	0	DRINKING WATER (NON-CARCINOGEN)		29200.00
Dimethylphthalate	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		365000.00
Fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Fluorene	UG/L	2	1	50.00%	0.48	0	0.48	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Hexachlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.35	0.01
Hexachlorobutadiene	UG/L	2	2	100.00%	0.4	0	0.2305	0	DRINKING WATER (CARCINOGEN)		0.14
Hexachlorocyclopentadiene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		0.15
Hexachloroethane	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.75

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	CRITERIA ONE	NYS CLASS GA	DRINKING WATER
Indeno[1,2,3-cd]pyrene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Isophorone	UG/L	2	0	0.00%	0	0	0	0			
N-Nitrosodiphenylamine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		13.72
N-Nitrosodipropylamine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.01
Naphthalene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Nitrobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		3.39
Pentachlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	1.	0.56
Phenanthrene	UG/L	2	1	50.00%	0.24	0	0.24	0			
Phenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	1.	21900.00
Pyrene	UG/L	2	1	50.00%	0.13	0	0.13	0	DRINKING WATER (NON-CARCINOGEN)		1095.00
TPH	MG/L	3	0	0.00%	0	0	0	0			0.48
Pesticides/PCBs											
4,4'-DDD	UG/L	3	2	66.67%	0.9	2	0.455	0	DRINKING WATER (CARCINOGEN)	.1	0.28
4,4'-DDE	UG/L	3	3	100.00%	0.3	2	0.221	0	DRINKING WATER (CARCINOGEN)	.1	0.20
4,4'-DDT	UG/L	3	3	100.00%	0.58	3	0.376666667	0	DRINKING WATER (CARCINOGEN)	.1	0.03
Aldrin	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.055	0.00
Alpha-BHC	UG/L	3	2	66.67%	0.059	0	0.0475	0			
Alpha-Chlordane	UG/L	3	2	66.67%	0.096	0	0.082	0		5.	
Aroclor-1016	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2.56
Aroclor-1221	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1232	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1242	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1248	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1254	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	.1	0.73
Aroclor-1260	UG/L	3	0	0.00%	0	0	0	0		.1	
Beta-BHC	UG/L	3	3	100.00%	0.58	0	0.239	0		5.	
Delta-BHC	UG/L	3	3	100.00%	0.23	0	0.161333333	0			
Dieldrin	UG/L	3	2	66.67%	0.2	1	0.126	0	DRINKING WATER (CARCINOGEN)	.1	0.00
Endosulfan I	UG/L	3	2	66.67%	0.11	0	0.065	0	DRINKING WATER (NON-CARCINOGEN)		219.00
Endosulfan II	UG/L	3	2	66.67%	0.28	0	0.28	0	DRINKING WATER (NON-CARCINOGEN)		219.00
Endosulfan sulfate	UG/L	3	3	100.00%	0.69	0	0.37	0			
Endrin	UG/L	3	1	33.33%	0.71	1	0.71	0	DRINKING WATER (NON-CARCINOGEN)	.1	10.95
Endrin aldehyde	UG/L	3	3	100.00%	0.97	0	0.421	0	DRINKING WATER (NON-CARCINOGEN)	5.	10.95
Endrin ketone	UG/L	3	1	33.33%	0.2	0	0.2	0	DRINKING WATER (NON-CARCINOGEN)	5.	10.95
Gamma-BHC/Lindane	UG/L	3	1	33.33%	0.038	0	0.038	0	DRINKING WATER (CARCINOGEN)	5.	0.05
Gamma-Chlordane	UG/L	3	3	100.00%	0.47	0	0.242	0			
Heptachlor	UG/L	3	2	66.67%	0.23	2	0.144	0	DRINKING WATER (CARCINOGEN)	.05	0.00
Heptachlor epoxide	UG/L	3	2	66.67%	0.11	2	0.091	0	DRINKING WATER (CARCINOGEN)	.05	0.00
Methoxychlor	UG/L	3	2	66.67%	0.82	0	0.595	0	DRINKING WATER (NON-CARCINOGEN)	35.	182.50
Toxaphene	UG/L	3	0	0.00%	0	0	0	0			
Metals											
Aluminum	UG/L	3	3	100.00%	5350	0	2073.666667	0	DRINKING WATER (NON-CARCINOGEN)		36500.00
Antimony	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		14.60
Arsenic	UG/L	3	1	33.33%	3.8	0	3.8	0	DRINKING WATER (CARCINOGEN)	25.	0.01
Barium	UG/L	3	3	100.00%	106	0	61.16666667	0	DRINKING WATER (NON-CARCINOGEN)	1,000.	1.04
Beryllium	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.00
Cadmium	UG/L	3	1	33.33%	0.39	0	0.39	0	DRINKING WATER (CARCINOGEN)	10.	0.00
Calcium	UG/L	3	3	100.00%	172000	0	165666.6667	0			
Chromium	UG/L	3	3	100.00%	6.5	0	3.366666667	0	DRINKING WATER (NON-CARCINOGEN)	50.	0.00
Cobalt	UG/L	3	2	66.67%	3.6	0	2.6	0	DRINKING WATER (NON-CARCINOGEN)		2190.00
Copper	UG/L	3	2	66.67%	5.2	0	3.6	0	DRINKING WATER (NON-CARCINOGEN)	200.	1460.00
Cyanide	UG/L	3	0	0.00%	0	0	0	0		100.	
Iron	UG/L	3	3	100.00%	5620	3	2485.333333	0	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00
Lead	UG/L	3	0	0.00%	0	0	0	0		25.	
Magnesium	UG/L	3	3	100.00%	24100	0	23700	0			
Manganese	UG/L	3	3	100.00%	1590	3	1275.666667	0	DRINKING WATER (NON-CARCINOGEN)	300.	0.10
Mercury	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	2.	0.58
Nickel	UG/L	3	3	100.00%	10.6	0	5.866666667	0	DRINKING WATER (NON-CARCINOGEN)		730.00
Potassium	UG/L	3	3	100.00%	21400	0	13303.33333	0			
Selenium	UG/L	3	3	100.00%	5.6	0	4.533333333	0	DRINKING WATER (NON-CARCINOGEN)	10.	182.50
Silver	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	50.	182.50
Sodium	UG/L	3	3	100.00%	95200	1	38440	0		20,000.	
Thallium	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2.92
Vanadium	UG/L	3	2	66.67%	6.5	0	4.45	0	DRINKING WATER (NON-CARCINOGEN)		255.50
Zinc	UG/L	3	3	100.00%	16.4	0	9.366666667	0	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00

Table 4-8
S121C - Volatiles in Groundwater vs. Class GA
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles										
1,1,1-Trichloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	792.55	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.52	1	U	1	U	1	U
1,1,2-Trichloroethane	UG/L	DRINKING WATER (CARCINOGEN)		0.19	1	U	1	U	1	U
1,1-Dichloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	811.74	1	U	1	U	1	U
1,1-Dichloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.04	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.12	1	U	1	U	1	U
1,2-Dibromoethane	UG/L		5.		1	U	1	U	1	U
1,2-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.99	1	U	1	U	1	U
1,2-Dichloroethane	UG/L	DRINKING WATER (CARCINOGEN)	5	0.12	1	U	1	U	1	U
1,2-Dichloropropane	UG/L	DRINKING WATER (CARCINOGEN)	5	0.99	1	U	1	U	1	U
1,3-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5	3200.00	1	U	1	U	1	U
1,4-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	4.7	2.80	1	U	1	U	1	U
Acetone	UG/L	DRINKING WATER (NON-CARCINOGEN)		3650.00	52		61		36	
Benzene	UG/L	DRINKING WATER (CARCINOGEN)	.7	0.36	1	U	1	U	1	U
Bromochloromethane	UG/L	DRINKING WATER (CARCINOGEN)		1.08	1	U	1	U	1	U
Bromodichloromethane	UG/L	DRINKING WATER (CARCINOGEN)		1.10	1	U	1	U	1	
Bromoform	UG/L	DRINKING WATER (CARCINOGEN)		2.35	1	U	1	U	1	U
Carbon disulfide	UG/L	DRINKING WATER (NON-CARCINOGEN)		1042.86	2		2		4	
Carbon tetrachloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.16	1	U	1	U	1	U
Chlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	39.43	1	U	1	U	1	U
Chlorodibromomethane	UG/L	DRINKING WATER (CARCINOGEN)		0.80	1	U	1	U	2	
Chloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	8591.77	1	U	1	U	1	U
Chloroform	UG/L	DRINKING WATER (CARCINOGEN)	7.	0.15	1	U	1	U	1	U
Cis-1,2-Dichloroethene	UG/L		5		1	U	1	U	1	U
Cis-1,3-Dichloropropene	UG/L		5.		1	U	1	U	1	U
Ethyl benzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	1328.12	1	U	1	U	1	U
Methyl bromide	UG/L	DRINKING WATER (NON-CARCINOGEN)		8.70	1	U	1	U	1	U
Methyl butyl ketone	UG/L				5	U	5	U	5	U
Methyl chloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.44	1	U	1	U	1	U
Methyl ethyl ketone	UG/L		50.		5	U	5	U	5	U
Methyl isobutyl ketone	UG/L	DRINKING WATER (NON-CARCINOGEN)		158.12	5	U	5	U	5	U
Methylene chloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	4.12	2	U	2	U	2	U
Styrene	UG/L				1	U	1	U	1	U
Tetrachloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.07	1	U	1	U	1	U
Toluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	747.04	1	U	1		1	U
Total Xylenes	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	73000.00	1	U	1	U	1	U
Trans-1,2-Dichloroethene	UG/L		5		1	U	1	U	1	U
Trans-1,3-Dichloropropene	UG/L		5.		1	U	1	U	1	U
Trichloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.56	1	U	1	U	1	U
Vinyl chloride	UG/L	DRINKING WATER (CARCINOGEN)	2.	0.02	1	U	1	U	1	U

S121C - Semivolatiles/TPH in Groundwater vs. Class GA
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles										
1,2,4-Trichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	194.60			1.1	U	1.1	U
1,2-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	4.7	268.16			1.1	U	1.1	U
1,3-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	3248.50			1.1	U	1.1	U
1,4-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	4.7	2.80			1.1	U	1.1	U
2,4,5-Trichlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		3650.00			2.7	U	2.8	U
2,4,6-Trichlorophenol	UG/L	DRINKING WATER (CARCINOGEN)		0.97			1.1	U	1.1	U
2,4-Dichlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		109.50			1.1	U	1.1	U
2,4-Dimethylphenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	730.00			1.1	U	1.1	U
2,4-Dinitrophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		73.00			2.7	U	2.8	U
2,4-Dinitrotoluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	73.00			1.1	U	1.1	U
2,6-Dinitrotoluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	36.50			1.1	U	1.1	U
2-Chloronaphthalene	UG/L						1.1	U	1.1	U
2-Chlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		182.50			1.1	U	1.1	U
2-Methylnaphthalene	UG/L						1.1	U	1.1	U
2-Methylphenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	1825.00			1.1	U	1.1	U
2-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)		0.35			2.7	U	2.8	U
2-Nitrophenol	UG/L						1.1	U	1.1	U
3,3'-Dichlorobenzidine	UG/L	DRINKING WATER (CARCINOGEN)		0.15			1.1	U	1.1	U
3-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)		109.50			2.7	U	2.8	U
4,6-Dinitro-2-methylphenol	UG/L		5.				2.7	U	2.8	U
4-Bromophenyl phenyl ether	UG/L	DRINKING WATER (NON-CARCINOGEN)		2117.00			1.1	U	1.1	U
4-Chloro-3-methylphenol	UG/L						1.1	U	1.1	U
4-Chloroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	146.00			1.1	U	1.1	U
4-Chlorophenyl phenyl ether	UG/L						1.1	U	1.1	U
4-Methylphenol	UG/L		5.				1.1	U	1.1	U
4-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	109.50			2.7	U	2.8	U
4-Nitrophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		2190.00			2.7	U	2.8	U
Acenaphthene	UG/L						1.1	U	1.1	U
Acenaphthylene	UG/L						1.1	U	1.1	U
Anthracene	UG/L	DRINKING WATER (NON-CARCINOGEN)		10950.00			1.1	U	1.1	U
Benzo[a]anthracene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Benzo[a]pyrene	UG/L	DRINKING WATER (CARCINOGEN)	10.	0.00			1.1	U	1.1	U
Benzo[b]fluoranthene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Benzo[ghi]perylene	UG/L						1.1	U	1.1	U
Benzo[k]fluoranthene	UG/L	DRINKING WATER (CARCINOGEN)		0.17			1.1	U	1.1	U
Bis(2-Chloroethoxy)methane	UG/L						1.1	U	1.1	U
Bis(2-Chloroethyl)ether	UG/L	DRINKING WATER (CARCINOGEN)		0.01			1.1	U	1.1	U
Bis(2-Chloroisopropyl)ether	UG/L	DRINKING WATER (CARCINOGEN)		0.26			1.1	U	1.1	U
Bis(2-Ethylhexyl)phthalate	UG/L	DRINKING WATER (CARCINOGEN)	50.	4.80			0.23	JB	0.4	JB

Table 4-9
S121C - Semivolatiles/TPH in Groundwater vs. Class GA
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Butylbenzylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		7300.00			0.12	J	1.1	U
Carbazole	UG/L	DRINKING WATER (CARCINOGEN)		3.36			1.1	U	1.1	U
Chrysene	UG/L	DRINKING WATER (CARCINOGEN)		1.68			1.1	U	1.1	U
Di-n-butylphthalate	UG/L		50.				1.7		0.79	J
Di-n-octylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		730.00			1.1	U	1.1	U
Dibenz[a,h]anthracene	UG/L	DRINKING WATER (CARCINOGEN)		0.00			1.1	U	1.1	U
Dibenzofuran	UG/L	DRINKING WATER (NON-CARCINOGEN)		146.00			1.1	U	1.1	U
Diethyl phthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		29200.00			0.057	J	1.1	U
Dimethylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		365000.00			1.1	U	1.1	U
Fluoranthene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	1.1	U
Fluorene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	0.48	J
Hexachlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	.35	0.01			1.1	U	1.1	U
Hexachlorobutadiene	UG/L	DRINKING WATER (CARCINOGEN)		0.14			0.061	J	0.4	J
Hexachlorocyclopentadiene	UG/L	DRINKING WATER (NON-CARCINOGEN)		0.15			1.1	U	1.1	U
Hexachloroethane	UG/L	DRINKING WATER (CARCINOGEN)		0.75			1.1	U	1.1	U
Indeno[1,2,3-cd]pyrene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Isophorone	UG/L						1.1	U	1.1	U
N-Nitrosodiphenylamine	UG/L	DRINKING WATER (CARCINOGEN)		13.72			1.1	U	1.1	U
N-Nitrosodipropylamine	UG/L	DRINKING WATER (CARCINOGEN)		0.01			1.1	U	1.1	U
Naphthalene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	1.1	U
Nitrobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)		3.39			1.1	U	1.1	U
Pentachlorophenol	UG/L	DRINKING WATER (CARCINOGEN)	1.	0.56			2.7	U	2.8	U
Phenanthrene	UG/L						1.1	U	0.24	J
Phenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	1.	21900.00			1.1	U	1.1	U
Pyrene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1095.00			1.1	U	0.13	J
TPH	MG/L			0.48	U		0.49	U	0.44	U

S121C - Pesticides/PCBs in Groundwater vs. Class GA
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs										
4,4`-DDD	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.28	[redacted]		0.11	U	[redacted]	P
4,4`-DDE	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.20	[redacted]	P	0.093	JP	[redacted]	P
4,4`-DDT	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.03	[redacted]	P	[redacted]		[redacted]	P
Aldrin	UG/L	DRINKING WATER (CARCINOGEN)	.055	0.00	0.057	U	0.057	U	0.054	U
Alpha-BHC	UG/L				0.057	U	0.036	J	0.059	P
Alpha-Chlordane	UG/L		5.		0.096		0.066		0.054	U
Aroclor-1016	UG/L	DRINKING WATER (NON-CARCINOGEN)		2.56	1.1	U	1.1	U	1.1	U
Aroclor-1221	UG/L				2.3	U	2.3	U	2.2	U
Aroclor-1232	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1242	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1248	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1254	UG/L	DRINKING WATER (NON-CARCINOGEN)	.1	0.73	1.1	U	1.1	U	1.1	U
Aroclor-1260	UG/L		.1		1.1	U	1.1	U	1.1	U
Beta-BHC	UG/L		5.		0.56	P	0.096	P	0.061	P
Delta-BHC	UG/L				0.23	P	0.094		0.16	P
Dieldrin	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.00	0.11	U	0.052	JP	[redacted]	P
Endosulfan I	UG/L	DRINKING WATER (NON-CARCINOGEN)		219.00	0.11	P	0.08	P	0.054	U
Endosulfan II	UG/L	DRINKING WATER (NON-CARCINOGEN)		219.00	0.28	P	0.11	U	0.28	
Endosulfan sulfate	UG/L				0.28	P	0.14	P	0.69	P
Endrin	UG/L	DRINKING WATER (NON-CARCINOGEN)	.1	10.95	0.11	U	0.11	U	[redacted]	P
Endrin aldehyde	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	10.95	0.22	P	0.073	JP	0.97	P
Endrin ketone	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	10.95	0.11	U	0.11	U	0.2	
Gamma-BHC/Lindane	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.05	0.057	U	0.057	U	0.038	JP
Gamma-Chlordane	UG/L				0.47		0.086	P	0.17	P
Heptachlor	UG/L	DRINKING WATER (CARCINOGEN)	.05	0.00	[redacted]	P	[redacted]	P	0.054	U
Heptachlor epoxide	UG/L	DRINKING WATER (CARCINOGEN)	.05	0.00	0.057	U	[redacted]	P	[redacted]	P
Methoxychlor	UG/L	DRINKING WATER (NON-CARCINOGEN)	35.	182.50	0.57		0.57	U	0.62	P
Toxaphene	UG/L				5.7	U	5.7	U	5.4	U

Table 4-11
S121C - Metals in Groundwater vs. Class GA
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Metals										
Aluminum	UG/L	DRINKING WATER (NON-CARCINOGEN)		36500.00	133	B	738		5350	
Antimony	UG/L	DRINKING WATER (NON-CARCINOGEN)		14.60	5.1	U	5.1	U	5.1	U
Arsenic	UG/L	DRINKING WATER (CARCINOGEN)	25.	0.01	3.7	U	3.8	B	3.7	U
Barium	UG/L	DRINKING WATER (NON-CARCINOGEN)	1,000.	1.04	39.5	B	38	B	106	B
Beryllium	UG/L	DRINKING WATER (CARCINOGEN)		0.00	0.1	U	0.1	U	0.1	U
Cadmium	UG/L	DRINKING WATER (CARCINOGEN)	10.	0.00	0.39	B	0.3	U	0.3	U
Calcium	UG/L				172000	E	163000	E	162000	E
Chromium	UG/L	DRINKING WATER (NON-CARCINOGEN)	50.	0.00	1.2	B	2.4	B	6.5	B
Cobalt	UG/L	DRINKING WATER (NON-CARCINOGEN)		2190.00	1.4	U	1.6	B	3.6	B
Copper	UG/L	DRINKING WATER (NON-CARCINOGEN)	200.	1460.00	1.2	U	2	B	5.2	B
Cyanide	UG/L		100.		5	U	5	U	5	U
Iron	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00	[redacted]	E	[redacted]	E	[redacted]	E
Lead	UG/L		25.		1.8	U	1.8	U	1.8	U
Magnesium	UG/L				23800		24100		23200	
Manganese	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	0.10	[redacted]		[redacted]		[redacted]	
Mercury	UG/L	DRINKING WATER (NON-CARCINOGEN)	2.	0.59	0.1	U	0.1	U	0.1	U
Nickel	UG/L	DRINKING WATER (NON-CARCINOGEN)		730.00	2.8	B	4.2	B	10.6	B
Potassium	UG/L				7610		10900		21400	
Selenium	UG/L	DRINKING WATER (NON-CARCINOGEN)	10.	182.50	3.7	B*	5.6	*	4.3	B*
Silver	UG/L	DRINKING WATER (NON-CARCINOGEN)	50.	182.50	1.3	U	1.3	U	1.3	U
Sodium	UG/L		20,000.		8920		11200		[redacted]	
Thallium	UG/L	DRINKING WATER (NON-CARCINOGEN)		2.92	6.7	U	6.7	U	6.7	U
Vanadium	UG/L	DRINKING WATER (NON-CARCINOGEN)		255.50	1.5	U	2.4	B	6.5	B
Zinc	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00	2.4	B	9.3	B	16.4	B

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	14	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	14	0	0.00%	0	0	0	0	600	286160
1,1,2-Trichloroethane	UG/KG	14	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	14	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	14	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	14	0	0.00%	0	0	0	0	100	62692
1,2-Dichloroethene (total)	UG/KG	14	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	14	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	14	7	50.00%	28	0	13.71428571	0	200	52560000
Benzene	UG/KG	14	1	7.14%	2	0	2	0	60	197352
Bromodichloromethane	UG/KG	14	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	14	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	14	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	14	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	14	0	0.00%	0	0	0	0		86133
Chloroethane	UG/KG	14	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	14	4	28.57%	4	0	3.5	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	14	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	14	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	14	0	0.00%	0	0	0	0		751808
Methyl butyl ketone	UG/KG	14	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	14	0	0.00%	0	0	0	0		440248
Methyl ethyl ketone	UG/KG	14	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	14	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	14	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	14	0	0.00%	0	0	0	0		
Tetrachloroethane	UG/KG	14	0	0.00%	0	0	0	0	1400	110082
Toluene	UG/KG	14	14	100.00%	28	0	8.285714286	0	1500	105120000
Total Xylenes	UG/KG	14	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	14	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	14	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	14	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	1600	46776400
1,4-Dichlorobenzene	UG/KG	14	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	14	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	14	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	14	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	14	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	14	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	14	1	7.14%	45	0	45	0		1051200
2,6-Dinitrotoluene	UG/KG	14	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	14	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	14	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	14	7	50.00%	18	0	8.8	0	36400	
2-Methylphenol	UG/KG	14	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	14	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	14	0	0.00%	0	0	0	0		12716
3-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	14	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	14	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	14	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	14	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	14	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	14	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	14	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	14	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	14	7	50.00%	52	0	25.75714286	0	50000	
Acenaphthylene	UG/KG	14	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	14	7	50.00%	96	0	42.78571429	0	50000	157680000
Benzo[a]anthracene	UG/KG	14	12	85.71%	420	0	105.1916667	0	224	7840
Benzo[a]pyrene	UG/KG	14	10	71.43%	370	0	104.34	0	61	784
Benzo[b]fluoranthene	UG/KG	14	11	78.57%	536	0	127.0363636	0	1100	7840
Benzo[ghi]perylene	UG/KG	14	10	71.43%	380	0	87.32	0	50000	
Benzo[k]fluoranthene	UG/KG	14	10	71.43%	390	0	118.54	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	14	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	14	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	14	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	14	14	100.00%	200	0	30.03571429	0	50000	408800
Butylbenzylphthalate	UG/KG	14	4	28.57%	24	0	12.05	0	50000	105120000
Carbazole	UG/KG	14	7	50.00%	130	0	60.57142857	0		286160
Chrysene	UG/KG	14	12	85.71%	510	0	124.3416667	0	400	784000
Di-n-butylphthalate	UG/KG	14	8	57.14%	50	0	17.9	0	8100	
Di-n-octylphthalate	UG/KG	14	5	35.71%	17	0	8.68	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	14	8	57.14%	150	0	46.1625	0	14	784
Dibenzofuran	UG/KG	14	6	42.86%	22	0	14.65	0	6200	2102400
Diethyl phthalate	UG/KG	14	13	92.86%	18	0	9.261538462	0	7100	420480000
Dimethylphthalate	UG/KG	14	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	14	12	85.71%	820	0	244.9833333	0	50000	21024000
Fluorene	UG/KG	14	7	50.00%	43	0	23.28571429	0	50000	21024000
Hexachlorobenzene	UG/KG	14	1	7.14%	8.5	0	8.5	0	410	3577
Hexachlorobutadiene	UG/KG	14	0	0.00%	0	0	0	0		73374

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	14	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	14	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	14	10	71.43%	350	0	81.11	0	3200	7840
Isophorone	UG/KG	14	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	14	1	7.14%	4.8	0	4.8	0		1168000
N-Nitrosodipropylamine	UG/KG	14	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	14	6	42.86%	14	0	9.983333333	0	13000	21024000
Nitrobenzene	UG/KG	14	0	0.00%	0	0	0	0	200	262600
Pentachlorophenol	UG/KG	14	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	14	11	78.57%	520	0	170.4636364	0	50000	
Phenol	UG/KG	14	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	14	12	85.71%	820	0	205.925	0	50000	15768000
TPH	MG/KG	14	12	85.71%	820	0	179.158	0		
Pesticides/PCBs										
4,4'-DDD	UG/KG	14	1	7.14%	7.4	0	7.4	0	2900	23847
4,4'-DDE	UG/KG	14	9	64.29%	69	0	22.42222222	0	2100	16833
4,4'-DDT	UG/KG	14	8	57.14%	100	0	27.5	0	2100	16833
Aldrin	UG/KG	14	0	0.00%	0	0	0	0	41	337
Alpha-BHC	UG/KG	14	1	7.14%	1.5	0	1.5	0	110	
Alpha-Chlordane	UG/KG	14	1	7.14%	1	0	1	0		
Aroclor-1016	UG/KG	14	0	0.00%	0	0	0	0		36792
Aroclor-1221	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1232	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1242	UG/KG	14	1	7.14%	58	0	58	0		
Aroclor-1248	UG/KG	14	0	0.00%	0	0	0	0		
Aroclor-1254	UG/KG	14	2	14.29%	79	0	75.5	0	10000	10512
Aroclor-1260	UG/KG	14	5	35.71%	200	0	74.4	0	10000	
Beta-BHC	UG/KG	14	0	0.00%	0	0	0	0	200	
Delta-BHC	UG/KG	14	4	28.57%	2	0	1.3825	0	300	
Dieldrin	UG/KG	14	0	0.00%	0	0	0	0	44	358
Endosulfan I	UG/KG	14	0	0.00%	0	0	0	0	900	3153600
Endosulfan II	UG/KG	14	0	0.00%	0	0	0	0	900	3153600
Endosulfan sulfate	UG/KG	14	0	0.00%	0	0	0	0	1000	
Endrin	UG/KG	14	0	0.00%	0	0	0	0	100	157680
Endrin aldehyde	UG/KG	14	0	0.00%	0	0	0	0		157680
Endrin ketone	UG/KG	14	1	7.14%	3.8	0	3.8	0		157680
Gamma-BHC/Lindane	UG/KG	14	0	0.00%	0	0	0	0	60	4402
Gamma-Chlordane	UG/KG	14	1	7.14%	1.2	0	1.2	0	540	
Heptachlor	UG/KG	14	1	7.14%	2.1	0	2.1	0	100	1272
Heptachlor epoxide	UG/KG	14	3	21.43%	2.8	0	1.766666667	0	20	629
Methoxychlor	UG/KG	14	0	0.00%	0	0	0	0		2628000
Toxaphene	UG/KG	14	0	0.00%	0	0	0	0		
Metals										
Aluminum	MG/KG	14	14	100.00%	16200	0	11532.86	0	19520	525600
Antimony	MG/KG	14	13	92.86%	19.3	0	5.08	0	6	210
Arsenic	MG/KG	14	14	100.00%	8.1	12	5.53	0	8.9	4
Barium	MG/KG	14	14	100.00%	1600	0	377.60	0	300	36792
Beryllium	MG/KG	14	14	100.00%	0.72	0	0.45	0	1 13	1
Cadmium	MG/KG	14	7	50.00%	21.1	0	10.34	0	2 46	263
Calcium	MG/KG	14	14	100.00%	296000	0	72640.00	0	125300	0
Chromium	MG/KG	14	14	100.00%	49.2	0	27.24	0	30	525600
Cobalt	MG/KG	14	14	100.00%	19.7	0	12.99	0	30	31536
Copper	MG/KG	14	14	100.00%	9750	0	1531.21	0	33	21024
Cyanide	MG/KG	14	0	0.00%	0	0	0.00	0	0.35	0
Iron	MG/KG	14	14	100.00%	54100	0	30598.57	0	37410	157680
Lead	MG/KG	14	14	100.00%	5280	0	955.09	0	24 4	0
Magnesium	MG/KG	14	14	100.00%	15400	0	7874.29	0	21700	0
Manganese	MG/KG	14	14	100.00%	752	0	450.43	0	1100	12089
Mercury	MG/KG	14	7	50.00%	0.15	0	0.09	0	0.1	158
Nickel	MG/KG	14	14	100.00%	224	0	58.92	0	50	10512
Potassium	MG/KG	14	14	100.00%	1990	0	1609.29	0	2623	0
Selenium	MG/KG	14	0	0.00%	0	0	0.00	0	2	2628
Silver	MG/KG	14	4	28.57%	21.8	0	7.46	0	0 8	2628
Sodium	MG/KG	14	8	57.14%	606	0	267 88	0	188	0
Thallium	MG/KG	14	0	0.00%	0	0	0.00	0	0.855	42
Vanadium	MG/KG	14	14	100.00%	21.8	0	17.87	0	150	3679
Zinc	MG/KG	14	14	100.00%	1350	0	419.80	0	115	157680

S121C -Volatiles in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB228		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																	
1,1,1-Trichloroethane	UG/KG	800	16396000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloroethene (total)	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
1,2-Dichloropropane	UG/KG		84165	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Acetone	UG/KG	200	52560000	12	U	12	U	14		12	J	11	U	11	U	16	
Benzene	UG/KG	60	197352	12	U	12	U	12	U	12	U	2	J	11	U	11	U
Bromodichloromethane	UG/KG		92310	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Bromoform	UG/KG		724456	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Carbon disulfide	UG/KG	2700	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Carbon tetrachloride	UG/KG	600	44025	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chlorobenzene	UG/KG	1700	10512000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chlorodibromomethane	UG/KG		68133	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chloroethane	UG/KG	1900	210240000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Chloroform	UG/KG	300	936230	12	U	12	U	12	U	12	U	4	J	11	U	11	U
Cis-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Ethyl benzene	UG/KG	5500	52560000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl bromide	UG/KG		751608	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl butyl ketone	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl chloride	UG/KG		440248	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl ethyl ketone	UG/KG	300		12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Methylene chloride	UG/KG	100	763093	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Styrene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Tetrachloroethene	UG/KG	1400	110062	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Toluene	UG/KG	1500	105120000	3	J	2	J	7	J	5	J	5	J	2	J	9	J
Total Xylenes	UG/KG	1200	1051200000	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Trans-1,3-Dichloropropene	UG/KG			12	U	12	U	12	U	12	U	11	U	11	U	11	U
Trichloroethene	UG/KG	700	520291	12	U	12	U	12	U	12	U	11	U	11	U	11	U
Vinyl chloride	UG/KG	200	3012	12	U	12	U	12	U	12	U	11	U	11	U	11	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121B	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-3		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																	
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	288160	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
1,2-Dichloropropane	UG/KG		84165	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Acetone	UG/KG	200	52560000	10	J	11	U	28		10	J	11	U	11	U	6	JB
Benzene	UG/KG	60	197352	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Bromodichloromethane	UG/KG		92310	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Bromoform	UG/KG		724456	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Carbon disulfide	UG/KG	2700	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Carbon tetrachloride	UG/KG	600	44025	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chlorobenzene	UG/KG	1700	10512000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chlorodibromomethane	UG/KG		68133	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chloroethane	UG/KG	1900	210240000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Chloroform	UG/KG	300	938230	11	U	4	J	2	J	11	U	11	U	11	U	4	J
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Ethyl benzene	UG/KG	5500	52560000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl bromide	UG/KG		751608	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl butyl ketone	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl chloride	UG/KG		440246	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Methylene chloride	UG/KG	100	763093	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Styrene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Tetrachloroethene	UG/KG	1400	110062	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Toluene	UG/KG	1500	105120000	12		10	J	4	J	9	J	28		4	J	16	
Total Xylenes	UG/KG	1200	1051200000	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	11	U	11	U	11	U	11	U
Trichloroethene	UG/KG	700	520291	11	U	11	U	11	U	11	U	11	U	11	U	11	U
Vinyl chloride	UG/KG	200	3012	11	U	11	U	11	U	11	U	11	U	11	U	11	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																	
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	73	U	78	U	77	U	73	U	75	U	72	U	77	U
1,4-Dichlorobenzene	UG/KG	8500	238467	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		520291	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dichlorophenol	UG/KG	400	1576800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dimethylphenol	UG/KG		10512000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2,4-Dinitrophenol	UG/KG	200	1051200	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		1051200	45	J	78	U	77	U	73	U	75	U	72	U	77	U
2,6-Dinitrotoluene	UG/KG	1000	525600	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Chloronaphthalene	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Chlorophenol	UG/KG	800	2626000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Methylnaphthalene	UG/KG	36400		8.6	J	78	U	77	U	4.3	J	7	J	5.5	J	8.3	J
2-Methylphenol	UG/KG	100	26280000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
2-Nitroaniline	UG/KG	430	31536	180	U	190	U	190	U	180	U	180	U	180	U	190	U
2-Nitrophenol	UG/KG	330		73	U	78	U	77	U	73	U	75	U	72	U	77	U
3,3`-Dichlorobenzidine	UG/KG		12718	73	U	78	U	77	U	73	U	75	U	72	U	77	U
3-Nitroaniline	UG/KG	500	1576800	180	U	190	U	190	U	180	U	180	U	180	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	190	U	190	U	180	U	180	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		30484800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chloro-3-methylphenol	UG/KG	240		73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chloroaniline	UG/KG	220	2102400	73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Chlorophenyl phenyl ether	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Methylphenol	UG/KG	900		73	U	78	U	77	U	73	U	75	U	72	U	77	U
4-Nitroaniline	UG/KG		1576800	180	U	190	U	190	U	180	U	180	U	180	U	190	U
4-Nitrophenol	UG/KG	100	31536000	180	U	190	U	190	U	180	U	180	U	180	U	190	U
Acenaphthene	UG/KG	50000		32	J	78	U	77	U	6.8	J	20	J	72	U	13	J
Acenaphthylene	UG/KG	41000		73	U	78	U	77	U	73	U	75	U	72	U	77	U
Anthracene	UG/KG	50000	157680000	52	J	78	U	77	U	15	J	41	J	72	U	19	J
Benzo[a]anthracene	UG/KG	224	7840	180		78	U	4.6	J	76		140		8.2	J	68	J
Benzo[a]pyrene	UG/KG	61	784	150		78	U	6.3	J	57	J	100		8.1	J	56	J
Benzo[b]fluoranthene	UG/KG	1100	7840	200		78	U	6.6	J	95		110		13	J	74	J
Benzo[ghi]perylene	UG/KG	50000		96		78	U	12	J	42	J	65	J	11	J	54	J
Benzo[k]fluoranthene	UG/KG	1100	78400	150		78	U	5.7	J	67	J	120		7	J	70	J
Bis(2-Chloroethoxy)methane	UG/KG			73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Chloroethyl)ether	UG/KG		5203	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	8.6	JB	13	J	10	J	15	JB	21	J	9.2	J	39	J
Butylbenzylphthalate	UG/KG	50000	105120000	73	U	78	U	77	U	73	U	6.4	J	72	U	77	U
Carbazole	UG/KG		286160	73	J	78	U	77	U	17	J	56	J	72	U	34	J
Chrysene	UG/KG	400	784000	210		78	U	5.5	J	90		160		11	J	82	
Di-n-butylphthalate	UG/KG	8100		27	JB	78	U	77	U	10	JB	19	J	72	U	5.3	J
Di-n-octylphthalate	UG/KG	50000	10512000	73	U	9.9	J	9.8	J	73	U	17	J	72	U	77	U
Dibenz[a,h]anthracene	UG/KG	14	784	43	J	78	U	9.7	J	21	J	33	J	72	U	26	J
Dibenzofuran	UG/KG	6200	2102400	19	J	78	U	77	U	5.1	J	13	J	72	U	8	J
Diethyl phthalate	UG/KG	7100	420480000	7.2	JB	5.8	JB	8.9	JB	11	JB	6.8	JB	8.5	JB	18	JB
Dimethylphthalate	UG/KG	2000	5256000000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Fluoranthene	UG/KG	50000	21024000	520		78	U	4.8	J	160		390		13	J	160	
Fluorene	UG/KG	50000	21024000	32	J	78	U	77	U	8	J	22	J	72	U	12	J
Hexachlorobenzene	UG/KG	410	3577	8.5	J	78	U	77	U	73	U	75	U	72	U	77	U
Hexachlorobutadiene	UG/KG		73374	73	U	78	U	77	U	73	U	75	U	72	U	77	U

Table 4-14
S121C -Semivolatiles/TPH in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Hexachlorocyclopentadiene	UG/KG		3679200	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Hexachloroethane	UG/KG		408800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	94		78	U	8.6	J	41	J	58	J	8.6	J	48	J
Isophorone	UG/KG	4400		73	U	78	U	77	U	73	U	75	U	72	U	77	U
N-Nitrosodiphenylamine	UG/KG		1168000	4.8	J	78	U	77	U	73	U	75	U	72	U	77	U
N-Nitrosodipropylamine	UG/KG		818	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Naphthalene	UG/KG	13000	21024000	11	J	78	U	77	U	73	U	12	J	72	U	8.9	J
Nitrobenzene	UG/KG	200	262800	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Pentachlorophenol	UG/KG	1000	47893	180	U	190	U	190	U	180	U	180	U	180	U	180	U
Phenanthrene	UG/KG	50000		360		78	U	77	U	98		280		8.8	J	110	
Phenol	UG/KG	30	315360000	73	U	78	U	77	U	73	U	75	U	72	U	77	U
Pyrene	UG/KG	50000	15768000	360		78	U	4.7	J	170		290		13	J	130	
TPH	MG/KG			23.4		16.7	U	90.4		26.3		18.5		19		213	

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121B	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-3		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																	
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,3-Dichlorobenzene	UG/KG	1600	46776400	72	U	71	U	76	U	72	U	69	U	180	U	170	U
1,4-Dichlorobenzene	UG/KG	8500	238467	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2,4,6-Trichlorophenol	UG/KG		520291	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dichlorophenol	UG/KG	400	1576800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dimethylphenol	UG/KG		10512000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,4-Dinitrophenol	UG/KG	200	1051200	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2,4-Dinitrotoluene	UG/KG		1051200	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2,6-Dinitrotoluene	UG/KG	1000	525600	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Chloronaphthalene	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Chlorophenol	UG/KG	800	2628000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Methylnaphthalene	UG/KG	36400		72	U	71	U	76	U	72	U	69	U	16	J	9.9	J
2-Methylphenol	UG/KG	100	26280000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
2-Nitroaniline	UG/KG	430	31536	170	U	170	U	180	U	180	U	170	U	440	U	420	U
2-Nitrophenol	UG/KG	330		72	U	71	U	76	U	72	U	69	U	180	U	170	U
3,3'-Dichlorobenzidine	UG/KG		12718	72	U	71	U	76	U	72	U	69	U	180	U	170	U
3-Nitroaniline	UG/KG	500	1576800	170	U	170	U	180	U	180	U	170	U	440	U	420	U
4,6-Dinitro-2-methylphenol	UG/KG			170	U	170	U	180	U	180	U	170	U	440	U	420	U
4-Bromophenyl phenyl ether	UG/KG		30484800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chloroaniline	UG/KG	220	2102400	72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Methylphenol	UG/KG	900		72	U	71	U	76	U	72	U	69	U	180	U	170	U
4-Nitroaniline	UG/KG		1576800	170	U	170	U	180	U	180	U	170	U	440	U	420	U
4-Nitrophenol	UG/KG	100	31536000	170	U	170	U	180	U	180	U	170	U	440	U	420	U
Acenaphthene	UG/KG	50000		72	U	71	U	76	U	72	U	6.5	J	50	J	52	J
Acenaphthylene	UG/KG	41000		72	U	71	U	76	U	72	U	69	U	180	U	170	U
Anthracene	UG/KG	50000	157680000	72	U	71	U	76	U	72	U	6.5	J	98	J	76	J
Benzo[a]anthracene	UG/KG	224	7840	3.9	J	7	J	4.6	J	72	U	30	J	420		320	
Benzo[a]pyrene	UG/KG	61	784	72	U	71	U	6	J	72	U	28	J	370		260	
Benzo[b]fluoranthene	UG/KG	1100	7840	13	J	71	U	5.8	J	72	U	40	J	530		310	
Benzo[ghi]perylene	UG/KG	50000		72	U	71	U	6.2	J	72	U	15	J	380		190	
Benzo[k]fluoranthene	UG/KG	1100	78400	72	U	71	U	6.7	J	72	U	29	J	340		390	
Bis(2-Chloroethoxy)methane	UG/KG			72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Chloroethyl)ether	UG/KG		5203	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Chloroisopropyl)ether	UG/KG		81780	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	9.3	J	13	J	14	J	7.2	J	9.2	J	200		52	JB
Butylbenzylphthalate	UG/KG	50000	105120000	72	U	71	U	76	U	72	U	7.8	J	24	J	10	J
Carbazole	UG/KG		285160	72	U	71	U	76	U	72	U	14	J	130	J	100	J
Chrysene	UG/KG	400	784000	8.8	J	12	J	7.8	J	72	U	35	J	510		360	
Di-n-butylphthalate	UG/KG	8100		72	U	3.7	J	76	U	6.2	J	69	U	50	J	20	JB
Di-n-octylphthalate	UG/KG	50000	10512000	72	U	71	U	3.9	J	72	U	3.8	J	180	U	170	U
Dibenz[a,h]anthracene	UG/KG	14	784	72	U	71	U	76	U	72	U	7.6	J	150	J	79	J
Dibenzofuran	UG/KG	6200	2102400	72	U	71	U	76	U	72	U	69	U	22	J	22	J
Diethyl phthalate	UG/KG	7100	420480000	8.1	JB	10	BJ	4.7	JB	11	JB	9.4	JB	11	JB	170	U
Dimethylphthalate	UG/KG	2000	5256000000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Fluoranthene	UG/KG	50000	21024000	7.4	J	10	J	9.6	J	72	U	65	J	820		760	
Fluorene	UG/KG	50000	21024000	72	U	71	U	76	U	72	U	5	J	41	J	43	J
Hexachlorobenzene	UG/KG	410	3577	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Hexachlorobutadiene	UG/KG		73374	72	U	71	U	76	U	72	U	69	U	180	U	170	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121B	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-3		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Hexachlorocyclopentadiene	UG/KG		3679200	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Hexachloroethane	UG/KG		408800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	72	U	71	U	5.9	J	72	U	17	J	350		180	
Isophorone	UG/KG	4400		72	U	71	U	76	U	72	U	69	U	180	U	170	U
N-Nitrosodiphenylamine	UG/KG		1166000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
N-Nitrosodipropylamine	UG/KG		818	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Naphthalene	UG/KG	13000	21024000	72	U	71	U	76	U	72	U	4	J	14	J	12	J
Nitrobenzene	UG/KG	200	262800	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Pentachlorophenol	UG/KG	1000	47693	170	U	170	U	180	U	180	U	170	U	440	U	420	U
Phenanthrene	UG/KG	50000		8.8	J	7.6	J	5.9	J	72	U	38	J	520		440	
Phenol	UG/KG	30	315360000	72	U	71	U	76	U	72	U	69	U	180	U	170	U
Pyrene	UG/KG	50000	15768000	8.3	J	14	J	8.1	J	72	U	53	J	820		580	
TPH	MG/KG			413		303		38.4		19.3	U	109		482		86.3	

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB228		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs																	
4,4'-DDD	UG/KG	2900	23847	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
4,4'-DDE	UG/KG	2100	16833	13		3.9	U	3.8	U	29		13		3.6	U	17	
4,4'-DDT	UG/KG	2100	16833	18		3.9	U	3.8	U	35		9.8		3.6	U	16	
Aldrin	UG/KG	41	337	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Alpha-BHC	UG/KG	110		1.8	U	2	U	2	U	1.5	JP	1.9	U	1.9	U	2	U
Alpha-Chlordane	UG/KG			1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Aroclor-1016	UG/KG		36792	37	U	39	U	38	U	37	U	38	U	36	U	38	U
Aroclor-1221	UG/KG			74	U	79	U	78	U	74	U	78	U	74	U	78	U
Aroclor-1232	UG/KG			37	U	39	U	38	U	37	U	38	U	36	U	38	U
Aroclor-1242	UG/KG			37	U	39	U	38	U	37	U	38	U	36	U	38	U
Aroclor-1248	UG/KG			37	U	39	U	38	U	37	U	38	U	36	U	38	U
Aroclor-1254	UG/KG	10000	10512	37	U	39	U	38	U	37	U	38	U	36	U	38	U
Aroclor-1260	UG/KG	10000		37	U	39	U	38	U	30	JP	200		36	U	21	JP
Beta-BHC	UG/KG	200		1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Delta-BHC	UG/KG	300		1.8	U	2	U	2	U	0.95	JP	1.3	JP	1.9	U	2	U
Dieldrin	UG/KG	44	356	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endosulfan I	UG/KG	900	3153600	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Endosulfan II	UG/KG	900	3153600	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endosulfan sulfate	UG/KG	1000		3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin	UG/KG	100	157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin aldehyde	UG/KG		157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Endrin ketone	UG/KG		157680	3.7	U	3.9	U	3.8	U	3.7	U	3.8	U	3.6	U	3.8	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Gamma-Chlordane	UG/KG	540		1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Heptachlor	UG/KG	100	1272	1.8	U	2	U	2	U	1.8	U	1.9	U	1.9	U	2	U
Heptachlor epoxide	UG/KG	20	629	1.8	U	2	U	2	U	1.8	U	1.1	JP	1.9	U	2	U
Methoxychlor	UG/KG		2628000	18	U	20	U	20	U	18	U	19	U	19	U	20	U
Toxaphene	UG/KG			180	U	200	U	200	U	180	U	190	U	190	U	200	U

Table 4-15
S121C -Pesticides/PCBs in Soil vs PRG-IND
Non-Evaluated EBS Sites

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121B	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-3		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs																	
4,4'-DDD	UG/KG	2900	23847	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	7.4		3.5	U
4,4'-DDE	UG/KG	2100	16833	3.8		4.5		2.5	J	3.6	U	3.5	U	89	E	50	
4,4'-DDT	UG/KG	2100	16833	1.9	J	2.3	JP	3.8	U	3.6	U	3.5	U	100	E	37	
Aldrin	UG/KG	41	337	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Alpha-BHC	UG/KG	110		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Alpha-Chlordane	UG/KG			1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1	JP
Aroclor-1016	UG/KG		36792	36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1221	UG/KG			73	U	72	U	77	U	74	U	70	U	74	U	71	U
Aroclor-1232	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1242	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	58	P
Aroclor-1248	UG/KG			36	U	35	U	38	U	36	U	35	U	36	U	35	U
Aroclor-1254	UG/KG	10000	10512	36	U	35	U	38	U	36	U	35	U	72		79	
Aroclor-1260	UG/KG	10000		36	U	35	U	38	U	36	U	35	U	85	P	36	P
Beta-BHC	UG/KG	200		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Delta-BHC	UG/KG	300		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.2	JP	2	P
Dieldrin	UG/KG	44	358	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endosulfan I	UG/KG	900	3153600	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Endosulfan II	UG/KG	900	3153600	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endosulfan sulfate	UG/KG	1000		3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin	UG/KG	100	157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin aldehyde	UG/KG		157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.6	U	3.5	U
Endrin ketone	UG/KG		157680	3.6	U	3.5	U	3.8	U	3.6	U	3.5	U	3.8	P	3.5	U
Gamma-BHC/Lindane	UG/KG	60	4402	1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.8	U
Gamma-Chlordane	UG/KG	540		1.8	U	1.8	U	2	U	1.9	U	1.8	U	1.9	U	1.2	JP
Heptachlor	UG/KG	100	1272	1.8	U	1.8	U	2	U	1.9	U	1.8	U	2.1	P	1.8	U
Heptachlor epoxide	UG/KG	20	629	1.8	U	1.8	U	2	U	1.9	U	1.8	U	2.8	P	1.4	JP
Methoxychlor	UG/KG		2626000	18	U	18	U	20	U	19	U	18	U	19	U	18	U
Toxaphene	UG/KG			180	U	180	U	200	U	190	U	180	U	190	U	180	U

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-2		SB121C-1		SB121C-1		SB121C-2		SB121C-2		SB121C-3		SB121C-3	
SAMP_ID:				EB226		EB231		EB232		EB014		EB226		EB233		EB234	
QC CODE:				SA		SA		SA		DU		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		2		0		2.5	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		2.5		0.2		3	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals																	
Aluminum	MG/KG	19520	525600	15100		12600		13400		14500		16200		1730		8880	
Antimony	MG/KG	6	210	17.3	N	1.1	BN	1.4	BN	19.3	N	11.5	BN	0.93	BN	0.98	BN
Arsenic	MG/KG	8.9	4	[redacted]		[redacted]		[redacted]		[redacted]		[redacted]		3.8		[redacted]	
Barium	MG/KG	300	38792	1420		64.9		64.2		1600		1050		18.1	B	46.3	B
Beryllium	MG/KG	1.13	1	0.47	B	0.52	B	0.72	B	0.4	B	0.43	B	0.25	B	0.32	B
Cadmium	MG/KG	2.46	263	2.3	*	0.07	U	0.07	U	2.7	*	8.1		0.07	U	0.07	U
Calcium	MG/KG	125300	0	23400		2580	*	2280	*	31300		31600	*	283000	*	97200	*
Chromium	MG/KG	30	525600	35.2	*	20.9		21		32.9	*	37		3.8		13.1	
Cobalt	MG/KG	30	31536	15.7		12.8		9.4	B	16.5		18		3.5	B	7.7	B
Copper	MG/KG	33	21024	9750	*	19.7	N*	18.7	N*	7690	*	2440	N*	6.8	N*	20.6	N*
Cyanide	MG/KG	0.35	0	0.56	U	0.63	U	0.65	U	0.59	U	0.63	U	0.58	U	0.58	U
Iron	MG/KG	37410	157680	41500		25700		23800		41100		54100		4230		18500	
Lead	MG/KG	24.4	0	5080		11.8		14.1		5260		1760		11.7		39.9	
Magnesium	MG/KG	21700	0	6810	*	4590		4040		8820	*	6480		10200		8000	
Manganese	MG/KG	1100	12089	525		598		299		612		752		213		473	
Mercury	MG/KG	0.1	158	0.07	B	0.06	U	0.05	B	0.05	U	0.07	B	0.04	U	0.06	U
Nickel	MG/KG	50	10512	58.5	E*	40.5		35.8		54.2	E*	58.6		11.6		22.3	
Potassium	MG/KG	2623	0	1990		1600		1670		1840		1220		1150		1500	
Selenium	MG/KG	2	2628	1	UN	1.1	U	1.1	U	0.92	UN	0.97	U	1	U	1.1	U
Silver	MG/KG	0.8	2628	0.46	U	0.48	U	0.48	U	0.41	U	0.43	U	0.46	U	0.49	U
Sodium	MG/KG	188	0	392	B	139	U	138	U	606	B	214	B	132	U	141	U
Thallium	MG/KG	0.855	42	1.4	U	1.4	UN	1.4	UN	1.2	U	1.3	UN	1.4	UN	1.5	UN
Vanadium	MG/KG	150	3679	20.9	E	20.8		21.8		19.5	E	19.3		5.1	B	14.4	
Zinc	MG/KG	115	157680	1350		80.3	N	70.5	N	1280		691	N	29.8	N	77.6	N

SITE:				SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121C		SEAD-121B	
DESCRIPTION:				DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:				SB121C-4		SB121C-4		SB121C-4		SS121C-1		SS121C-2		SS121C-3		SS121C-4	
SAMP_ID:				EB020		EB229		EB230		EB235		EB236		EB237		EB241	
QC CODE:				DU		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		2.5		0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		3		0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		9-Mar-98		10-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals																	
Aluminum	MG/KG	19520	525600	14400		13000		15700		12800		12600		7650		2700	
Antimony	MG/KG	6	210	1.7	BN	0.81	BN	0.89	UN	2.5	BN	2.2	BN	3.4	BN	2.9	BN
Arsenic	MG/KG	8.9	4	[redacted]		3.7		[redacted]		[redacted]		[redacted]		[redacted]		[redacted]	
Barium	MG/KG	300	36792	86.6		69.6		72.4		57.7		252		394		90.6	
Beryllium	MG/KG	1.13	1	0.57	B	0.49	B	0.63	B	0.56	B	0.48	B	0.3	B	0.21	B
Cadmium	MG/KG	2.46	263	0.07	U	0.05	U	0.00	U	21.1		7.1		18.5		12.6	
Calcium	MG/KG	125300	0	17200	*	25500	*	13000	*	11600	*	53100	*	129000	*	296000	*
Chromium	MG/KG	30	525600	27.8		22.6		30		32.9		45.7		49.2		9.2	
Cobalt	MG/KG	30	31536	17.6		12.5		19.7		14		15.5		11.3		9.6	B
Copper	MG/KG	33	21024	39.1	N*	33	N*	39.1	N*	139	N*	324	N*	363	N*	532	N*
Cyanide	MG/KG	0.35	0	0.56	U	0.61	U	0.63	U	0.62	U	0.53	U	0.59	U	0.54	U
Iron	MG/KG	37410	157680	32000		25900		35600		41300		43800		35000		6050	
Lead	MG/KG	24.4	0	27.1		23.5		28		78.2		251		577		171	
Magnesium	MG/KG	21700	0	6980		5630		7500		6220		12600		6770		15400	
Manganese	MG/KG	1100	12089	413		359		394		364		403		494		407	
Mercury	MG/KG	0.1	158	0.04	U	0.04	U	0.06	B	0.05	U	0.1		0.15		0.13	
Nickel	MG/KG	50	10512	61.8		49.3		69.7		58.6		224		82.5		19.5	
Potassium	MG/KG	2623	0	1960		1450		1670		1480		1890		1600		1290	
Selenium	MG/KG	2	2628	1	U	0.8	U	0.92	U	1	U	0.99	U	1	U	1	U
Silver	MG/KG	0.8	2628	0.46	U	0.36	U	0.41	U	21.8		1.3	B	4.7		2.1	B
Sodium	MG/KG	188	0	132	U	110	B	119	U	223	B	186	B	255	B	147	B
Thallium	MG/KG	0.855	42	1.4	UN	1.1	UN	1.2	UN	1.4	UN	1.3	UN	1.4	UN	1.3	UN
Vanadium	MG/KG	150	3679	21		17		21.7		18.6		20.1		21.5		6.5	B
Zinc	MG/KG	115	157680	153	N	196	N	158	N	585	N	431	N	525	N	250	N

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	CRITERIA ONE	NYS CLASS GA	DRINKING WATER
Volatiles											
1,1,1-Trichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	792.55
1,1,2,2-Tetrachloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.52
1,1,2-Trichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.19
1,1-Dichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	811.74
1,1-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.04
1,2-Dibromo-3-chloropropan	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.12
1,2-Dibromoethane	UG/L	3	0	0.00%	0	0	0	0		5.	
1,2-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.69
1,2-Dichloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5	0.12
1,2-Dichloropropane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5	0.99
1,3-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5	3200.00
1,4-Dichlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	4.7	2.60
Acetone	UG/L	3	3	100.00%	61	0	49.66666667	0	DRINKING WATER (NON-CARCINOGEN)		3650.00
Benzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.7	0.36
Bromochloromethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		1.08
Bromodichloromethane	UG/L	3	1	33.33%	1	0	1	0	DRINKING WATER (CARCINOGEN)		1.10
Bromoform	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		2.35
Carbon disulfide	UG/L	3	3	100.00%	4	0	2.666666667	0	DRINKING WATER (NON-CARCINOGEN)		1042.66
Carbon tetrachloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	0.16
Chlorobenzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	39.43
Chlorodibromomethane	UG/L	3	1	33.33%	2	1	2	0	DRINKING WATER (CARCINOGEN)		0.80
Chloroethane	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	8591.77
Chloroform	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	7.	0.15
Cis-1,2-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0		5	
Cis-1,3-Dichloropropene	UG/L	3	0	0.00%	0	0	0	0		5.	
Ethyl benzene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	1328.12
Methyl bromide	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		8.70
Methyl butyl ketone	UG/L	3	0	0.00%	0	0	0	0			
Methyl chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.44
Methyl ethyl ketone	UG/L	3	0	0.00%	0	0	0	0		50.	
Methyl isobutyl ketone	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		156.12
Methylene chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	4.12
Styrene	UG/L	3	0	0.00%	0	0	0	0			
Tetrachloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.07
Toluene	UG/L	3	1	33.33%	1	0	1	0	DRINKING WATER (NON-CARCINOGEN)	5.	747.04
Total Xylenes	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	73000.00
Trans-1,2-Dichloroethene	UG/L	3	0	0.00%	0	0	0	0		5	
Trans-1,3-Dichloropropene	UG/L	3	0	0.00%	0	0	0	0		5.	
Trichloroethene	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	5.	1.56
Vinyl chloride	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	2.	0.02
Semivolatiles											
1,2,4-Trichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	194.60
1,2-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	4.7	258.16
1,3-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	3248.50
1,4-Dichlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	4.7	2.80
2,4,5-Trichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		3650.00
2,4,6-Trichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.97
2,4-Dichlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		109.50
2,4-Dimethylphenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	730.00
2,4-Dinitrophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		73.00
2,4-Dinitrotoluene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	73.00
2,6-Dinitrotoluene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	36.50
2-Chloronaphthalene	UG/L	2	0	0.00%	0	0	0	0			
2-Chlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		182.50
2-Methylnaphthalene	UG/L	2	0	0.00%	0	0	0	0			
2-Methylphenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	1825.00
2-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		0.35
2-Nitrophenol	UG/L	2	0	0.00%	0	0	0	0			
3,3'-Dichlorobenzidine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.15
3-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		109.50
4,6-Dinitro-2-methylphenol	UG/L	2	0	0.00%	0	0	0	0		5.	
4-Bromophenyl phenyl ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2117.00
4-Chloro-3-methylphenol	UG/L	2	0	0.00%	0	0	0	0			
4-Chloroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	146.00
4-Chlorophenyl phenyl ether	UG/L	2	0	0.00%	0	0	0	0			
4-Methylphenol	UG/L	2	0	0.00%	0	0	0	0		5.	
4-Nitroaniline	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	5.	109.50
4-Nitrophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2190.00
Acenaphthene	UG/L	2	0	0.00%	0	0	0	0			
Acenaphthylene	UG/L	2	0	0.00%	0	0	0	0			
Anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		10950.00
Benzo[a]anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Benzo[a]pyrene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	10.	0.00
Benzo[b]fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Benzo[ghi]perylene	UG/L	2	0	0.00%	0	0	0	0			
Benzo[k]fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.17
Bis(2-Chloroethoxy)methane	UG/L	2	0	0.00%	0	0	0	0			
Bis(2-Chloroethyl)ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.01
Bis(2-Chloroisopropyl)ether	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.26
Bis(2-Ethylhexyl)phthalate	UG/L	2	2	100.00%	0.4	0	0.315	0	DRINKING WATER (CARCINOGEN)	50.	4.80
Butylbenzylphthalate	UG/L	2	1	50.00%	0.12	0	0.12	0	DRINKING WATER (NON-CARCINOGEN)		7300.00
Carbazole	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		3.36
Chrysene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		1.88
Di-n-butylphthalate	UG/L	2	2	100.00%	1.7	0	1.245	0		50.	
Di-n-octylphthalate	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		730.00
Dibenz[a,h]anthracene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.00
Dibenzofuran	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		146.00
Diethyl phthalate	UG/L	2	1	50.00%	0.057	0	0.057	0	DRINKING WATER (NON-CARCINOGEN)		29200.00
Dimethylphthalate	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		365000.00
Fluoranthene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Fluorene	UG/L	2	1	50.00%	0.48	0	0.48	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Hexachlorobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.35	0.01
Hexachlorobutadiene	UG/L	2	2	100.00%	0.4	1	0.2305	0	DRINKING WATER (CARCINOGEN)		0.14
Hexachlorocyclopentadiene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		0.15
Hexachloroethane	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.75

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	CRITERIA ONE	NYS CLASS GA	DRINKING WATER
Indeno[1,2,3-cd]pyrene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.02
Isophorone	UG/L	2	0	0.00%	0	0	0	0			
N-Nitrosodiphenylamine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		13.72
N-Nitrosodipropylamine	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.01
Naphthalene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		1460.00
Nitrobenzene	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		3.39
Pentachlorophenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	1.	0.56
Phenanthrene	UG/L	2	1	50.00%	0.24	0	0.24	0			
Phenol	UG/L	2	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	1.	21900.00
Pyrene	UG/L	2	1	50.00%	0.13	0	0.13	0	DRINKING WATER (NON-CARCINOGEN)		1095.00
TPH	MG/L	3	0	0.00%	0	0	0	0			0.48
Pesticides/PCBs											
4,4'-DDD	UG/L	3	2	66.67%	0.9	2	0.855	0	DRINKING WATER (CARCINOGEN)	.1	0.28
4,4'-DDE	UG/L	3	3	100.00%	0.3	2	0.221	0	DRINKING WATER (CARCINOGEN)	.1	0.20
4,4'-DDT	UG/L	3	3	100.00%	0.56	3	0.376666667	0	DRINKING WATER (CARCINOGEN)	.1	0.03
Aldrin	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)	.055	0.00
Alpha-BHC	UG/L	3	2	66.67%	0.059	0	0.0475	0			
Alpha-Chlordane	UG/L	3	2	66.67%	0.096	0	0.082	0		5.	
Aroclor-1016	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2.56
Aroclor-1221	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1232	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1242	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1248	UG/L	3	0	0.00%	0	0	0	0			
Aroclor-1254	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	.1	0.73
Aroclor-1260	UG/L	3	0	0.00%	0	0	0	0		.1	
Beta-BHC	UG/L	3	3	100.00%	0.56	0	0.239	0		5.	
Delta-BHC	UG/L	3	3	100.00%	0.23	0	0.161333333	0			
Dieldrin	UG/L	3	2	66.67%	0.2	2	0.126	0	DRINKING WATER (CARCINOGEN)	.1	0.00
Endosulfan I	UG/L	3	2	66.67%	0.11	0	0.095	0	DRINKING WATER (NON-CARCINOGEN)		219.00
Endosulfan II	UG/L	3	2	66.67%	0.28	0	0.28	0	DRINKING WATER (NON-CARCINOGEN)		219.00
Endosulfan sulfate	UG/L	3	3	100.00%	0.69	0	0.37	0			
Endrin	UG/L	3	1	33.33%	0.71	0	0.71	0	DRINKING WATER (NON-CARCINOGEN)	.1	10.95
Endrin aldehyde	UG/L	3	3	100.00%	0.97	0	0.421	0	DRINKING WATER (NON-CARCINOGEN)	5.	10.95
Endrin ketone	UG/L	3	1	33.33%	0.2	0	0.2	0	DRINKING WATER (NON-CARCINOGEN)	5.	10.95
Gamma-BHC/Lindane	UG/L	3	1	33.33%	0.038	0	0.038	0	DRINKING WATER (CARCINOGEN)	5.	0.05
Gamma-Chlordane	UG/L	3	3	100.00%	0.47	0	0.242	0			
Heptachlor	UG/L	3	2	66.67%	0.23	2	0.144	0	DRINKING WATER (CARCINOGEN)	.05	0.00
Heptachlor epoxide	UG/L	3	2	66.67%	0.11	2	0.091	0	DRINKING WATER (CARCINOGEN)	.05	0.00
Methoxychlor	UG/L	3	2	66.67%	0.82	0	0.595	0	DRINKING WATER (NON-CARCINOGEN)	35.	182.50
Toxaphene	UG/L	3	0	0.00%	0	0	0	0			
Metals											
Aluminum	UG/L	3	3	100.00%	5350	0	2073.666667	0	DRINKING WATER (NON-CARCINOGEN)		36500.00
Antimony	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		14.00
Arsenic	UG/L	3	1	33.33%	3.8	1	3.8	0	DRINKING WATER (CARCINOGEN)	25.	0.01
Barium	UG/L	3	3	100.00%	106	3	81.18666667	0	DRINKING WATER (NON-CARCINOGEN)	1,000.	1.04
Beryllium	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (CARCINOGEN)		0.00
Cadmium	UG/L	3	1	33.33%	0.39	1	0.39	0	DRINKING WATER (CARCINOGEN)	10.	0.00
Calcium	UG/L	3	3	100.00%	172000	0	165666.6667	0			
Chromium	UG/L	3	3	100.00%	6.5	3	3.366666667	0	DRINKING WATER (NON-CARCINOGEN)	50.	0.00
Cobalt	UG/L	3	2	66.67%	3.6	0	2.6	0	DRINKING WATER (NON-CARCINOGEN)		2190.00
Copper	UG/L	3	2	66.67%	5.2	0	3.6	0	DRINKING WATER (NON-CARCINOGEN)	200.	1460.00
Cyanide	UG/L	3	0	0.00%	0	0	0	0		100.	
Iron	UG/L	3	3	100.00%	5620	0	2465.333333	0	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00
Lead	UG/L	3	0	0.00%	0	0	0	0		25.	
Magnesium	UG/L	3	3	100.00%	24100	0	23700	0			
Manganese	UG/L	3	3	100.00%	1590	3	1276.666667	0	DRINKING WATER (NON-CARCINOGEN)	300.	0.10
Mercury	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	2.	0.59
Nickel	UG/L	3	3	100.00%	10.6	0	5.866666667	0	DRINKING WATER (NON-CARCINOGEN)		730.00
Potassium	UG/L	3	3	100.00%	21400	0	13303.33333	0			
Selenium	UG/L	3	3	100.00%	5.6	0	4.533333333	0	DRINKING WATER (NON-CARCINOGEN)	10.	182.50
Silver	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)	50.	182.50
Sodium	UG/L	3	3	100.00%	95200	0	38440	0		20,000.	
Thallium	UG/L	3	0	0.00%	0	0	0	0	DRINKING WATER (NON-CARCINOGEN)		2.92
Vanadium	UG/L	3	2	66.67%	6.5	0	4.45	0	DRINKING WATER (NON-CARCINOGEN)		255.50
Zinc	UG/L	3	3	100.00%	16.4	0	9.366666667	0	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00

Table 4-18
S121C -Volatiles in Groundwater vs. Drinking Water Standards
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					OU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	ORINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles										
1,1,1-Trichloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	792.55	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.52	1	U	1	U	1	U
1,1,2-Trichloroethane	UG/L	DRINKING WATER (CARCINOGEN)		0.19	1	U	1	U	1	U
1,1-Dichloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	811.74	1	U	1	U	1	U
1,1-Dichloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.04	1	U	1	U	1	U
1,2-Dibromo-3-chloropropan	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.12	1	U	1	U	1	U
1,2-Dibromoethane	UG/L		5.		1	U	1	U	1	U
1,2-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.99	1	U	1	U	1	U
1,2-Dichloroethane	UG/L	DRINKING WATER (CARCINOGEN)	5	0.12	1	U	1	U	1	U
1,2-Dichloropropane	UG/L	DRINKING WATER (CARCINOGEN)	5	0.99	1	U	1	U	1	U
1,3-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5	3200.00	1	U	1	U	1	U
1,4-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	4.7	2.80	1	U	1	U	1	U
Acetone	UG/L	DRINKING WATER (NON-CARCINOGEN)		3650.00	52		61		36	
Benzene	UG/L	DRINKING WATER (CARCINOGEN)	.7	0.36	1	U	1	U	1	U
Bromochloromethane	UG/L	DRINKING WATER (CARCINOGEN)		1.08	1	U	1	U	1	U
Bromodichloromethane	UG/L	DRINKING WATER (CARCINOGEN)		1.10	1	U	1	U	1	
Bromoform	UG/L	DRINKING WATER (CARCINOGEN)		2.35	1	U	1	U	1	U
Carbon disulfide	UG/L	DRINKING WATER (NON-CARCINOGEN)		1042.86	2		2		4	
Carbon tetrachloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.16	1	U	1	U	1	U
Chlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	39.43	1	U	1	U	1	U
Chlorodibromomethane	UG/L	DRINKING WATER (CARCINOGEN)		0.80	1	U	1	U	[redacted]	
Chloroethane	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	6591.77	1	U	1	U	1	U
Chloroform	UG/L	DRINKING WATER (CARCINOGEN)	7.	0.15	1	U	1	U	1	U
Cis-1,2-Dichloroethene	UG/L		5		1	U	1	U	1	U
Cis-1,3-Dichloropropene	UG/L		5.		1	U	1	U	1	U
Ethyl benzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	1328.12	1	U	1	U	1	U
Methyl bromide	UG/L	DRINKING WATER (NON-CARCINOGEN)		8.70	1	U	1	U	1	U
Methyl butyl ketone	UG/L				5	U	5	U	5	U
Methyl chloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.44	1	U	1	U	1	U
Methyl ethyl ketone	UG/L		50.		5	U	5	U	5	U
Methyl isobutyl ketone	UG/L	DRINKING WATER (NON-CARCINOGEN)		158.12	5	U	5	U	5	U
Methylene chloride	UG/L	DRINKING WATER (CARCINOGEN)	5.	4.12	2	U	2	U	2	U
Styrene	UG/L				1	U	1	U	1	U
Tetrachloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.07	1	U	1	U	1	U
Toluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	747.04	1	U	1		1	U
Total Xylenes	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	73000.00	1	U	1	U	1	U
Trans-1,2-Dichloroethene	UG/L		5		1	U	1	U	1	U
Trans-1,3-Dichloropropene	UG/L		5.		1	U	1	U	1	U
Trichloroethene	UG/L	DRINKING WATER (CARCINOGEN)	5.	1.56	1	U	1	U	1	U
Vinyl chloride	UG/L	DRINKING WATER (CARCINOGEN)	2.	0.02	1	U	1	U	1	U

S121C - Semivolatiles/TPH in Groundwater vs. Drinking Water Standards
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard
LOC ID:					MW121C-1		MW121C-1		MW121C-2
SAMP_ID:					EB023		EB153		EB154
QC CODE:					DU		SA		SA
SAMP. DETH TOP:					0		2.1		1.6
SAMP. DEPTH BOT:					0		9.7		5.1
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles										
1,2,4-Trichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	194.60			1.1	U	1.1	U
1,2-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	4.7	268.16			1.1	U	1.1	U
1,3-Dichlorobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	3248.50			1.1	U	1.1	U
1,4-Dichlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	4.7	2.80			1.1	U	1.1	U
2,4,5-Trichlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		3650.00			2.7	U	2.8	U
2,4,6-Trichlorophenol	UG/L	DRINKING WATER (CARCINOGEN)		0.97			1.1	U	1.1	U
2,4-Dichlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		109.50			1.1	U	1.1	U
2,4-Dimethylphenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	730.00			1.1	U	1.1	U
2,4-Dinitrophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		73.00			2.7	U	2.8	U
2,4-Dinitrotoluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	73.00			1.1	U	1.1	U
2,6-Dinitrotoluene	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	36.50			1.1	U	1.1	U
2-Chloronaphthalene	UG/L						1.1	U	1.1	U
2-Chlorophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		182.50			1.1	U	1.1	U
2-Methylnaphthalene	UG/L						1.1	U	1.1	U
2-Methylphenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	1825.00			1.1	U	1.1	U
2-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)		0.35			2.7	U	2.8	U
2-Nitrophenol	UG/L						1.1	U	1.1	U
3,3'-Dichlorobenzidine	UG/L	DRINKING WATER (CARCINOGEN)		0.15			1.1	U	1.1	U
3-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)		109.50			2.7	U	2.8	U
4,6-Dinitro-2-methylphenol	UG/L		5.				2.7	U	2.8	U
4-Bromophenyl phenyl ether	UG/L	DRINKING WATER (NON-CARCINOGEN)		2117.00			1.1	U	1.1	U
4-Chloro-3-methylphenol	UG/L						1.1	U	1.1	U
4-Chloroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	146.00			1.1	U	1.1	U
4-Chlorophenyl phenyl ether	UG/L						1.1	U	1.1	U
4-Methylphenol	UG/L		5.				1.1	U	1.1	U
4-Nitroaniline	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	109.50			2.7	U	2.8	U
4-Nitrophenol	UG/L	DRINKING WATER (NON-CARCINOGEN)		2190.00			2.7	U	2.8	U
Acenaphthene	UG/L						1.1	U	1.1	U
Acenaphthylene	UG/L						1.1	U	1.1	U
Anthracene	UG/L	DRINKING WATER (NON-CARCINOGEN)		10950.00			1.1	U	1.1	U
Benzo[a]anthracene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Benzo[a]pyrene	UG/L	DRINKING WATER (CARCINOGEN)	10.	0.00			1.1	U	1.1	U
Benzo[b]fluoranthene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Benzo[ghi]perylene	UG/L						1.1	U	1.1	U
Benzo[k]fluoranthene	UG/L	DRINKING WATER (CARCINOGEN)		0.17			1.1	U	1.1	U
Bis(2-Chloroethoxy)methane	UG/L						1.1	U	1.1	U
Bis(2-Chloroethyl)ether	UG/L	DRINKING WATER (CARCINOGEN)		0.01			1.1	U	1.1	U
Bis(2-Chloroisopropyl)ether	UG/L	DRINKING WATER (CARCINOGEN)		0.26			1.1	U	1.1	U
Bis(2-Ethylhexyl)phthalate	UG/L	DRINKING WATER (CARCINOGEN)	50.	4.80			0.23	JB	0.4	JB

S121C - Semivolatiles/TPH in Groundwater vs. Drinking Water Standards
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Butylbenzylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		7300.00			0.12	J	1.1	U
Carbazole	UG/L	DRINKING WATER (CARCINOGEN)		3.36			1.1	U	1.1	U
Chrysene	UG/L	DRINKING WATER (CARCINOGEN)		1.68			1.1	U	1.1	U
Di-n-butylphthalate	UG/L		50.				1.7		0.79	J
Di-n-octylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		730.00			1.1	U	1.1	U
Dibenz[a,h]anthracene	UG/L	DRINKING WATER (CARCINOGEN)		0.00			1.1	U	1.1	U
Dibenzofuran	UG/L	DRINKING WATER (NON-CARCINOGEN)		146.00			1.1	U	1.1	U
Diethyl phthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		29200.00			0.057	J	1.1	U
Dimethylphthalate	UG/L	DRINKING WATER (NON-CARCINOGEN)		365000.00			1.1	U	1.1	U
Fluoranthene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	1.1	U
Fluorene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	0.48	J
Hexachlorobenzene	UG/L	DRINKING WATER (CARCINOGEN)	.35	0.01			1.1	U	1.1	U
Hexachlorobutadiene	UG/L	DRINKING WATER (CARCINOGEN)		0.14			0.061	J	[redacted]	J
Hexachlorocyclopentadiene	UG/L	DRINKING WATER (NON-CARCINOGEN)		0.15			1.1	U	1.1	U
Hexachloroethane	UG/L	DRINKING WATER (CARCINOGEN)		0.75			1.1	U	1.1	U
Indeno[1,2,3-cd]pyrene	UG/L	DRINKING WATER (CARCINOGEN)		0.02			1.1	U	1.1	U
Isophorone	UG/L						1.1	U	1.1	U
N-Nitrosodiphenylamine	UG/L	DRINKING WATER (CARCINOGEN)		13.72			1.1	U	1.1	U
N-Nitrosodipropylamine	UG/L	DRINKING WATER (CARCINOGEN)		0.01			1.1	U	1.1	U
Naphthalene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1460.00			1.1	U	1.1	U
Nitrobenzene	UG/L	DRINKING WATER (NON-CARCINOGEN)		3.39			1.1	U	1.1	U
Pentachlorophenol	UG/L	DRINKING WATER (CARCINOGEN)	1.	0.56			2.7	U	2.8	U
Phenanthrene	UG/L						1.1	U	0.24	J
Phenol	UG/L	DRINKING WATER (NON-CARCINOGEN)	1.	21900.00			1.1	U	1.1	U
Pyrene	UG/L	DRINKING WATER (NON-CARCINOGEN)		1095.00			1.1	U	0.13	J
TPH	MG/L			0.48	U		0.49	U	0.44	U

Table 4-20
S121C -Pesticides/PCBs in Groundwater vs. Drinking Water Standards
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Pesticides/PCBs										
4,4`-DDD	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.28	[redacted]		0.11	U	[redacted]	P
4,4`-DDE	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.20	[redacted]	P	0.093	JP	[redacted]	P
4,4`-DDT	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.03	[redacted]	P	[redacted]		[redacted]	P
Aldrin	UG/L	DRINKING WATER (CARCINOGEN)	.055	0.00	0.057	U	0.057	U	0.054	U
Alpha-BHC	UG/L				0.057	U	0.036	J	0.059	P
Alpha-Chlordane	UG/L		5.		0.096		0.068		0.054	U
Aroclor-1016	UG/L	DRINKING WATER (NON-CARCINOGEN)		2.56	1.1	U	1.1	U	1.1	U
Aroclor-1221	UG/L				2.3	U	2.3	U	2.2	U
Aroclor-1232	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1242	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1248	UG/L				1.1	U	1.1	U	1.1	U
Aroclor-1254	UG/L	DRINKING WATER (NON-CARCINOGEN)	.1	0.73	1.1	U	1.1	U	1.1	U
Aroclor-1260	UG/L		.1		1.1	U	1.1	U	1.1	U
Beta-BHC	UG/L		5.		0.56	P	0.096	P	0.061	P
Delta-BHC	UG/L				0.23	P	0.094		0.16	P
Dieldrin	UG/L	DRINKING WATER (CARCINOGEN)	.1	0.00	0.11	U	[redacted]	JP	[redacted]	P
Endosulfan I	UG/L	DRINKING WATER (NON-CARCINOGEN)		219.00	0.11	P	0.08	P	0.054	U
Endosulfan II	UG/L	DRINKING WATER (NON-CARCINOGEN)		219.00	0.28	P	0.11	U	0.28	
Endosulfan sulfate	UG/L				0.28	P	0.14	P	0.69	P
Endrin	UG/L	DRINKING WATER (NON-CARCINOGEN)	.1	10.95	0.11	U	0.11	U	0.71	P
Endrin aldehyde	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	10.95	0.22	P	0.073	JP	0.97	P
Endrin ketone	UG/L	DRINKING WATER (NON-CARCINOGEN)	5.	10.95	0.11	U	0.11	U	0.2	
Gamma-BHC/Lindane	UG/L	DRINKING WATER (CARCINOGEN)	5.	0.05	0.057	U	0.057	U	0.038	JP
Gamma-Chlordane	UG/L				0.47		0.086	P	0.17	P
Heptachlor	UG/L	DRINKING WATER (CARCINOGEN)	.05	0.00	[redacted]	P	[redacted]	P	0.054	U
Heptachlor epoxide	UG/L	DRINKING WATER (CARCINOGEN)	.05	0.00	0.057	U	[redacted]	P	[redacted]	P
Methoxychlor	UG/L	DRINKING WATER (NON-CARCINOGEN)	35.	182.50	0.57		0.57	U	0.62	P
Toxaphene	UG/L				5.7	U	5.7	U	5.4	U

S121C - Metals in Groundwater vs. Drinking Water Standards
Non Evaluated EBS Sites

SITE:					SEAD-121C		SEAD-121C		SEAD-121C	
DESCRIPTION:					DRMO Yard		DRMO Yard		DRMO Yard	
LOC ID:					MW121C-1		MW121C-1		MW121C-2	
SAMP_ID:					EB023		EB153		EB154	
QC CODE:					DU		SA		SA	
SAMP. DETH TOP:					0		2.1		1.6	
SAMP. DEPTH BOT:					0		9.7		5.1	
MATRIX:					GROUNDWATER		GROUNDWATER		GROUNDWATER	
SAMP. DATE:					17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	CRITERIA ONE	NYS CLASS GA	DRINKING WATER	VALUE	Q	VALUE	Q	VALUE	Q
Metals										
Aluminum	UG/L	DRINKING WATER (NON-CARCINOGEN)		36500.00	133	B	738		5350	
Antimony	UG/L	DRINKING WATER (NON-CARCINOGEN)		14.60	5.1	U	5.1	U	5.1	U
Arsenic	UG/L	DRINKING WATER (CARCINOGEN)	25.	0.01	3.7	U	[redacted]	B	3.7	U
Barium	UG/L	DRINKING WATER (NON-CARCINOGEN)	1,000.	1.04	[redacted]	B	[redacted]	B	[redacted]	B
Beryllium	UG/L	DRINKING WATER (CARCINOGEN)		0.00	0.1	U	0.1	U	0.1	U
Cadmium	UG/L	DRINKING WATER (CARCINOGEN)	10.	0.00	[redacted]	B	0.3	U	0.3	U
Calcium	UG/L				172000	E	163000	E	162000	E
Chromium	UG/L	DRINKING WATER (NON-CARCINOGEN)	50.	0.00	[redacted]	B	[redacted]	B	[redacted]	B
Cobalt	UG/L	DRINKING WATER (NON-CARCINOGEN)		2190.00	1.4	U	1.6	B	3.6	B
Copper	UG/L	DRINKING WATER (NON-CARCINOGEN)	200.	1460.00	1.2	U	2	B	5.2	B
Cyanide	UG/L		100.		5	U	5	U	5	U
Iron	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00	346	E	1430	E	5620	E
Lead	UG/L		25.		1.8	U	1.8	U	1.8	U
Magnesium	UG/L				23800		24100		23200	
Manganese	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	0.10	[redacted]		[redacted]		[redacted]	
Mercury	UG/L	DRINKING WATER (NON-CARCINOGEN)	2.	0.59	0.1	U	0.1	U	0.1	U
Nickel	UG/L	DRINKING WATER (NON-CARCINOGEN)		730.00	2.8	B	4.2	B	10.6	B
Potassium	UG/L				7610		10900		21400	
Selenium	UG/L	DRINKING WATER (NON-CARCINOGEN)	10.	182.50	3.7	B*	5.6	*	4.3	B*
Silver	UG/L	DRINKING WATER (NON-CARCINOGEN)	50.	182.50	1.3	U	1.3	U	1.3	U
Sodium	UG/L		20,000.		8920		11200		95200	
Thallium	UG/L	DRINKING WATER (NON-CARCINOGEN)		2.92	6.7	U	6.7	U	6.7	U
Vanadium	UG/L	DRINKING WATER (NON-CARCINOGEN)		255.50	1.5	U	2.4	B	6.5	B
Zinc	UG/L	DRINKING WATER (NON-CARCINOGEN)	300.	10950.00	2.4	B	9.3	B	16.4	B

SEAD-121D

Building 306 and 308 Hazardous Materials Release

Table 5-1

Sample Collection Information
SEAD-121D - Building 306 308 Hazardous Materials Release

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121D-1	EB220	3/8/98	0.00	0.20	SA	Location is downgradient of Bldg. 306 in stressed vegatation area where rumored spill took place.
SOIL	SB121D-1	EB221	3/8/98	0.80	1.40	SA	Same location as above. Sample taken near bedrock, (2.0 ft). No VOC's or impact to soils detected.
SOIL	SB121D-2	EB218	3/8/98	0.00	0.20	SA	Location is downgradient of Bldg. 306 and a concrete pad. Stressed vegatation.
SOIL	SB121D-2	EB219	3/8/98	4.00	4.50	SA	Same location as above. Sample taken near bedrock, (5.0 ft.). No VOC's or impact to soils detected.
SOIL	SB121D-3	EB222	3/8/98	0.00	0.20	SA	Location is downgradient of Bldg. 308 and site of removed UST & existing AST.
SOIL	SB121D-3	EB223	3/8/98	2.30	2.50	SA	Same location as above. Sample taken at top of water table. No VOC's or impact to soils detected.
SURFACE SOIL	SS121D-1	EB224	3/8/98	0.00	0.20	SA	Sample taken at Bldg. 306 down gradient of a loading area where spills may of occured. Stressed vegatation.
SURFACE SOIL	SS121D-2	EB225	3/8/98	0.00	0.20	SA	Sample taken SE corner Bldg. 306 near door. Stressed vegatation.

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	8	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	8	0	0.00%	0	0	0	0	600	286160
1,1,2-Trichloroethane	UG/KG	8	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	8	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	8	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	8	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	8	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	8	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	8	4	50.00%	11	0	7.5	0	200	52560000
Benzene	UG/KG	8	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	8	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	8	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	8	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	8	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	8	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	8	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	8	1	12.50%	4	0	4	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	8	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	8	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	8	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	8	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	8	0	0.00%	0	0	0	0		440248
Methyl ethyl ketone	UG/KG	8	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	8	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	8	1	12.50%	1	0	1	0	100	763093
Styrene	UG/KG	8	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	8	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	8	5	62.50%	14	0	5.2	0	1500	105120000
Total Xylenes	UG/KG	8	1	12.50%	2	0	2	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	8	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	8	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	8	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	1900	46778400
1,4-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	8	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	8	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	8	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	8	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	8	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	8	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	8	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	8	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	8	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	8	2	25.00%	40	0	23.5	0	36400	
2-Methylphenol	UG/KG	8	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	8	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	8	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	8	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	8	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	8	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	8	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	8	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	8	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	8	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	8	2	25.00%	25	0	24	0	50000	
Acenaphthylene	UG/KG	8	2	25.00%	79	0	41.55	0	41000	
Anthracene	UG/KG	8	3	37.50%	67	0	39.26666667	0	50000	157680000
Benzo[a]anthracene	UG/KG	8	5	62.50%	830	2	285	0	224	7840
Benzo[a]pyrene	UG/KG	8	5	62.50%	890	2	373.54	0	61	784
Benzo[b]fluoranthene	UG/KG	8	5	62.50%	930	0	322.58	0	1100	7840
Benzo[ghi]perylene	UG/KG	8	5	62.50%	960	0	325.22	0	50000	
Benzo[k]fluoranthene	UG/KG	8	5	62.50%	1000	0	373	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	8	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	8	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	8	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	8	7	87.50%	25	0	12.97142857	0	50000	408800
Butylbenzylphthalate	UG/KG	8	2	25.00%	7.7	0	7.4	0	50000	105120000
Carbazole	UG/KG	8	2	25.00%	66	0	35.15	0		286160
Chrysene	UG/KG	8	7	87.50%	880	2	260.0285714	0	400	784000
Di-n-butylphthalate	UG/KG	8	2	25.00%	4.7	0	4.6	0	8100	
Di-n-octylphthalate	UG/KG	8	2	25.00%	22	0	15.1	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	8	4	50.00%	370	3	160.25	0	14	784
Dibenzofuran	UG/KG	8	0	0.00%	0	0	0	0	6200	2102400
Diethyl phthalate	UG/KG	8	5	62.50%	9.1	0	7.04	0	7100	420480000
Dimethylphthalate	UG/KG	8	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	8	7	87.50%	1600	0	336.1428571	0	50000	21024000
Fluorene	UG/KG	8	2	25.00%	29	0	27	0	50000	21024000
Hexachlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	8	0	0.00%	0	0	0	0		73374

Seneca Army Depot Activity
Table 5-2
SEAD-121D - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	8	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	8	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	8	5	62.50%	630	0	258.64	0	3200	7840
Isophorone	UG/KG	8	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	8	0	0.00%	0	0	0	0		1168000
N-Nitrosodipropylamine	UG/KG	8	0	0.00%	0	0	0	0		616
Naphthalene	UG/KG	8	1	12.50%	35	0	35	0	13000	21024000
Nitrobenzene	UG/KG	8	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	8	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	8	7	87.50%	540	0	114.4	0	50000	
Phenol	UG/KG	8	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	8	7	87.50%	1400	0	396	0	50000	15768000
TPH	MG/KG	8	5	62.50%	359	0	120.62	0		

Seneca Army Depot Activity
Table 5-3
SEAD-121D - Volatiles in Soil vs NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121D		SEAD-121D		SEAD-121D		SEAD-121D		SEAD-121D		SEAD-121D		SEAD-121D		SEAD-121D	
				Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release		Bldg. 306 and 308 HM Release	
DESCRIPTION:																			
LOC ID:				SB121D-1		SB121D-1		SB121D-2		SB121D-2		SB121D-3		SB121D-3		SS121D-1		SS121D-2	
SAMP_ID:				EB220		EB221		EB218		EB219		EB222		EB223		EB224		EB225	
QC CODE:				SA		SA		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.8		0		4		0		2.3		0		0	
SAMP. DEPTH BOT:				0.2		1.4		0.2		4.5		0.2		2.5		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																			
1,1,1-Trichloroethane	UG/KG	800	18396000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1-Dichloroethene	UG/KG	200	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloroethene (total)	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloropropane	UG/KG		84165	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Acetone	UG/KG	200	52560000	15	U	12	U	11	J	7	J	12	U	12	U	7	JB	5	JB
Benzene	UG/KG	60	197352	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Bromodichloromethane	UG/KG		92310	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Bromoform	UG/KG		724456	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Carbon disulfide	UG/KG	2700	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Carbon tetrachloride	UG/KG	600	44025	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chlorobenzene	UG/KG	1700	10512000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chlorodibromomethane	UG/KG		66133	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chloroethane	UG/KG	1900	210240000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chloroform	UG/KG	300	938230	15	U	12	U	11	U	12	U	10	U	12	U	14	U	4	J
Cis-1,3-Dichloropropene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Ethyl benzene	UG/KG	5500	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl bromide	UG/KG		751606	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl butyl ketone	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl chloride	UG/KG		440245	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl ethyl ketone	UG/KG	300		15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methylene chloride	UG/KG	100	753093	15	U	12	U	11	U	12	U	10	U	12	U	14	U	1	J
Styrene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Tetrachloroethene	UG/KG	1400	110062	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Toluene	UG/KG	1500	105120000	15	U	12	U	2	J	12	U	14		4	J	2	J	4	J
Total Xylenes	UG/KG	1200	1051200000	15	U	12	U	11	U	12	U	2	J	12	U	14	U	11	U
Trans-1,3-Dichloropropene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Trichloroethene	UG/KG	700	520291	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Vinyl chloride	UG/KG	200	3012	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U

Seneca . , Depot Activity
Table 5-4
SEAD-121D - Semivolatiles/TPH in Soil vs NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM		SEAD-121D Bldg. 306 and 308 HM	
DESCRIPTION:				Release		Release		Release		Release		Release		Release		Release	
LOC ID				SB121D-1		SB121D-1		SB121D-2		SB121D-2		SB121D-3		SB121D-3		SB121D-1		SS121D-2	
SAMP_ID.				EB220		EB221		EB218		EB219		EB222		EB223		EB224		EB225	
QC CODE:				SA		SA		SA		SA		SA		SA		SA		SA	
SAMP_DETH TOP:				0		0 8		0		4		0		2 3		0		0	
SAMP_DEPTH BOT				0 2		1 4		0 2		4 5		0 2		2.5		0 2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP_DATE.				6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98		6-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																			
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,4-Dichlorobenzene	UG/KG	8500	238467	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2,4,6-Trichlorophenol	UG/KG		520291	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dichlorophenol	UG/KG	400	1576800	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dimethylphenol	UG/KG		10512000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dinitrophenol	UG/KG	200	1051200	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2,4-Dinitrotoluene	UG/KG		1051200	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,6-Dinitrotoluene	UG/KG	1000	525600	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Chloronaphthalene	UG/KG			81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Chlorophenol	UG/KG	800	2628000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Methylnaphthalene	UG/KG	36400		81	U	72	U	76	U	75	U	40	J	74	U	7	J	350	U
2-Methylphenol	UG/KG	100	26280000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Nitroaniline	UG/KG	430	31536	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2-Nitrophenol	UG/KG	330		81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
3,3'-Dichlorobenzidine	UG/KG		12718	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
3-Nitroaniline	UG/KG	500	1576800	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4,6-Dinitro-2-methylphenol	UG/KG			220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4-Bromophenyl phenyl ether	UG/KG		30484800	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chloro-3-methylphenol	UG/KG	240		81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chloroaniline	UG/KG	220	2102400	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chlorophenyl phenyl ether	UG/KG			81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Methylphenol	UG/KG	900		81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Nitroaniline	UG/KG		1576800	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4-Nitrophenol	UG/KG	100	31536000	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
Acenaphthene	UG/KG	50000		81	U	72	U	76	U	75	U	25	J	74	U	72	U	23	J
Acenaphthylene	UG/KG	41000		81	U	72	U	76	U	75	U	79	J	4 1	J	72	U	350	U
Anthracene	UG/KG	50000	157680000	81	U	72	U	76	U	75	U	45	J	5.8	J	72	U	87	J
Benzo(a)anthracene	UG/KG	224	7840	22	J	72	U	76	U	75	U	[redacted]		46	J	5	J	[redacted]	
Benzo(a)pyrene	UG/KG	61	784	30	J	72	U	76	U	75	U	[redacted]		51	J	5 7	J		
Benzo(b)fluoranthene	UG/KG	1100	7840	45	J	72	U	76	U	75	U	570		50	J	7.9	J	930	
Benzo[ghi]perylene	UG/KG	50000		32	J	72	U	76	U	75	U	960		57	J	7.1	J	570	
Benzo(k)fluoranthene	UG/KG	1100	78480	42	J	72	U	76	U	75	U	780		59	J	7	J	1000	
Bis(2-Chloroethoxy)methane	UG/KG			81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Chloroethyl)ether	UG/KG		5203	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	409800	14	JB	13	JB	5 8	JB	13	JB	350	U	9	JB	11	JB	25	JB
Butylbenzylphthalate	UG/KG	50000	105120000	7.1	J	72	U	7 7	J	75	U	350	U	74	U	72	U	350	U
Carbazole	UG/KG		286160	81	U	72	U	76	U	75	U	350	U	4.3	J	72	U	86	J
Chrysene	UG/KG	400	784000	45	J	6 8	J	4 4	J	75	U	[redacted]		59	J	8	J	[redacted]	
Di-n-butylphthalate	UG/KG	8100		4 7	JB	4 5	JB	76	U	75	U	350	U	74	U	72	U	350	U
Di-n-octylphthalate	UG/KG	50000	10512000	81	U	72	U	76	U	22	J	350	U	74	U	6 2	J	350	U
Dibenz[a,h]anthracene	UG/KG	14	784	10	J	72	U	76	U	75	U	[redacted]		[redacted]	J	72	U	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Diethyl phthalate	UG/KG	7100	420480000	6	JB	6.7	JB	76	U	7	JB	350	U	9 1	JB	6 4	JB	350	U
Dimethylphthalate	UG/KG	2000	5256000000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Fluoranthene	UG/KG	50000	21024000	53	J	5.8	J	5.8	J	75	U	410		70	J	8 8	J	1800	
Fluorene	UG/KG	50000	21024000	81	U	72	U	76	U	75	U	29	J	74	U	72	U	25	J
Hexachlorobenzene	UG/KG	410	3577	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachlorobutadiene	UG/KG		73374	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachlorocyclopentadiene	UG/KG		3679200	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachloroethane	UG/KG		408800	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	28	J	72	U	76	U	75	U	630		40	J	6 2	J	580	
Isophorone	UG/KG	4400		81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
N-Nitrosodiphenylamine	UG/KG		1168000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
N-Nitrosodipropylamine	UG/KG		816	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Naphthalene	UG/KG	13000	21024000	81	U	72	U	76	U	75	U	35	J	74	U	72	U	350	U
Nitrobenzene	UG/KG	200	262800	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Pentachlorophenol	UG/KG	1000	47683	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
Phenanthrene	UG/KG	50000		19	J	4.8	J	4.4	J	75	U	200	J	26	J	4.6	J	540	
Phenol	UG/KG	30	315360000	81	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Pyrene	UG/KG	50000	15768000	55	J	5.6	J	5 2	J	75	U	1200		87		9.3	J	1400	
TPH	MG/KG			55.3		15	U	37.5		17	U	359		16.4	U	25.3		126	

Seneca Army Depot Activity
Table 5-5
SEAD-121D - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	8	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	8	0	0.00%	0	0	0	0	600	266150
1,1,2-Trichloroethane	UG/KG	8	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	8	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	8	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	8	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethane (total)	UG/KG	8	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	8	0	0.00%	0	0	0	0		84185
Acetone	UG/KG	8	4	50.00%	11	0	7.5	0	200	52560000
Benzene	UG/KG	8	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	8	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	8	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	8	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	8	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	8	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	8	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	8	1	12.50%	4	0	4	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	8	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	8	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	8	0	0.00%	0	0	0	0		751808
Methyl butyl ketone	UG/KG	8	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	8	0	0.00%	0	0	0	0		440246
Methyl ethyl ketone	UG/KG	8	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	8	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	8	1	12.50%	1	0	1	0	100	763093
Styrene	UG/KG	8	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	8	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	8	5	62.50%	14	0	5.2	0	1500	105120000
Total Xylenes	UG/KG	8	1	12.50%	2	0	2	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	8	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	8	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	8	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	8	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	8	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	8	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	8	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	8	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	8	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	8	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	8	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	8	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	8	2	25.00%	40	0	23.5	0	36400	
2-Methylphenol	UG/KG	8	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	8	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	8	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	8	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	8	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	8	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	8	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	8	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	8	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	8	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	8	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	8	2	25.00%	25	0	24	0	50000	
Acenaphthylene	UG/KG	8	2	25.00%	79	0	41.55	0	41000	
Anthracene	UG/KG	8	3	37.50%	67	0	39.26666667	0	50000	157680000
Benzo[a]anthracene	UG/KG	8	5	62.50%	830	0	285	0	224	7840
Benzo[a]pyrene	UG/KG	8	5	62.50%	890	2	373.54	0	61	784
Benzo[b]fluoranthene	UG/KG	8	5	62.50%	930	0	322.58	0	1100	7840
Benzo[ghi]perylene	UG/KG	8	5	62.50%	960	0	325.22	0	50000	
Benzo[k]fluoranthene	UG/KG	8	5	62.50%	1000	0	373	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	8	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	8	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	8	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	8	7	87.50%	25	0	12.97142857	0	50000	408800
Butylbenzylphthalate	UG/KG	8	2	25.00%	7.7	0	7.4	0	50000	105120000
Carbazole	UG/KG	8	2	25.00%	66	0	35.15	0		288160
Chrysene	UG/KG	8	7	87.50%	980	0	260.0285714	0	400	784000
Di-n-butylphthalate	UG/KG	8	2	25.00%	4.7	0	4.6	0	8100	
Di-n-octylphthalate	UG/KG	8	2	25.00%	22	0	15.1	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	8	4	50.00%	370	0	160.25	0	14	784
Dibenzofuran	UG/KG	8	0	0.00%	0	0	0	0	6200	2102400
Diethyl phthalate	UG/KG	8	5	62.50%	9.1	0	7.04	0	7100	420096000
Dimethylphthalate	UG/KG	8	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	8	7	87.50%	1800	0	338.1428571	0	50000	21024000
Fluorene	UG/KG	8	2	25.00%	29	0	27	0	50000	21024000
Hexachlorobenzene	UG/KG	8	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	8	0	0.00%	0	0	0	0		73374

Seneca Army Depot Activity
Table 5-5
SEAD-121D - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	8	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	8	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	8	5	62.50%	630	0	256.84	0	3200	7840
Isophorone	UG/KG	8	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	8	0	0.00%	0	0	0	0		1166000
N-Nitrosodipropylamine	UG/KG	8	0	0.00%	0	0	0	0		816
Naphthalene	UG/KG	8	1	12.50%	35	0	35	0	13000	21024000
Nitrobenzene	UG/KG	8	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	8	0	0.00%	0	0	0	0	1000	47893
Phenanthrene	UG/KG	8	7	87.50%	540	0	114.4	0	50000	
Phenol	UG/KG	8	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	8	7	87.50%	1400	0	398	0	50000	15768000
TPH	MG/KG	8	5	62.50%	359	0	120.82	0		

SITE				SEAD-121D Island in the		SEAD-121D Island in the		SEAD-121D Island in the		SEAD-121D Island in the		SEAD-121D Island in the		SEAD-121D Island in the		SEAD-121D Island in the	
DESCRIPTION:				Q		Q		Q		Q		Q		Q		Q	
LOC ID:				SB121D-1		SB121D-1		SB121D-2		SB121D-2		SB121D-3		SS121D-1		SS121D-2	
SAMP_ID:				EB220		EB221		EB218		EB219		EB222		EB224		EB225	
QC CODE:				SA		SA		SA		SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.8		0		4		0		0		0	
SAMP. DEPTH BOT:				0.2		1.4		0.2		4.5		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98		5-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles																	
1,1,1-Trichloroethane	UG/KG	800	16356000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	256160	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloroethene (total)	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
1,2-Dichloropropane	UG/KG		84185	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Acetone	UG/KG	200	52560000	15	U	12	U	11	U	11	J	7	J	12	U	7	JB	5	JB
Benzene	UG/KG	60	197352	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Bromodichloromethane	UG/KG		92310	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Bromoform	UG/KG		724456	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Carbon disulfide	UG/KG	2700	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Carbon tetrachloride	UG/KG	600	44025	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chlorobenzene	UG/KG	1700	10512000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chlorodibromomethane	UG/KG		68133	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chloroethane	UG/KG	1900	210240000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Chloroform	UG/KG	300	936230	15	U	12	U	11	U	12	U	10	U	12	U	14	U	4	J
Cis-1,3-Dichloropropene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Ethyl benzene	UG/KG	5500	52560000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl bromide	UG/KG		751608	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl butyl ketone	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl chloride	UG/KG		440246	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl ethyl ketone	UG/KG	300		15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Methylene chloride	UG/KG	100	783093	15	U	12	U	11	U	12	U	10	U	12	U	14	U	1	J
Styrene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Tetrachloroethene	UG/KG	1400	110062	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Toluene	UG/KG	1500	105120000	15	U	12	U	2	J	12	U	14		4	J	2	J	6	J
Total Xylenes	UG/KG	1200	1051200000	15	U	12	U	11	U	12	U	2	J	12	U	14	U	11	U
Trans-1,3-Dichloropropene	UG/KG			15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Trichloroethene	UG/KG	700	520291	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U
Vinyl chloride	UG/KG	200	3012	15	U	12	U	11	U	12	U	10	U	12	U	14	U	11	U

Seneca Army Depot Activity
Table S-7
SEAD-121D - Semivolatiles/TPH in Soil vs PRG-IND
Non Evaluated EBS Sites
Comparison to PRG-IND

SITE				SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the		SEAD-121D MP Refueling Island in the	
DESCRIPTION:				SB121D-1		SB121D-1		SB121D-2		SB121D-2		SB121D-3		SB121D-3		SB121D-1		SB121D-2	
LOC ID				EB220		EB221		EB218		EB219		EB222		EB223		EB224		EB225	
SAMP_ID				SA		SA		SA		SA		SA		SA		SA		SA	
QC CODE:				0		0.8		0		4		0		2.3		0		0	
SAMP DETH TOP				0.2		1.4		0.2		4.5		0.2		2.5		0.2		0.2	
SAMP DEPTH BOT:				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
MATRIX:				8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98		8-Mar-98	
SAMP DATE																			
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles																			
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,3-Dichlorobenzene	UG/KG	1600	48776400	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
1,4-Dichlorobenzene	UG/KG	8500	238467	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2,4,6-Trichlorophenol	UG/KG		520291	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dichlorophenol	UG/KG	400	1576800	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dimethylphenol	UG/KG		10512000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,4-Dinitrophenol	UG/KG	200	1051200	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2,4-Dinitrotoluene	UG/KG		1051200	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2,6-Dinitrotoluene	UG/KG	1000	525600	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Chloronaphthalene	UG/KG			91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Chlorophenol	UG/KG	800	2628000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Methylnaphthalene	UG/KG	36400		91	U	72	U	76	U	75	U	40	J	74	U	7	J	350	U
2-Methylphenol	UG/KG	100	26280000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
2-Nitroaniline	UG/KG	430	31536	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
2-Nitrophenol	UG/KG	330		91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
3,3'-Dichlorobenzidine	UG/KG		12718	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
3-Nitroaniline	UG/KG	500	1576800	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4,6-Dinitro-2-methylphenol	UG/KG			220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4-Bromophenyl phenyl ether	UG/KG		30434800	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chloro-3-methylphenol	UG/KG	240		91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chloroaniline	UG/KG	220	2102400	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Chlorophenyl phenyl ether	UG/KG			91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Methylphenol	UG/KG	900		91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
4-Nitroaniline	UG/KG		1576800	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
4-Nitrophenol	UG/KG	100	31536000	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
Acenaphthene	UG/KG	50000		91	U	72	U	76	U	75	U	25	J	74	U	72	U	23	J
Acenaphthylene	UG/KG	41000		91	U	72	U	76	U	75	U	79	J	4.1	J	72	U	350	U
Anthracene	UG/KG	50000	157680000	91	U	72	U	76	U	75	U	45	J	5.8	J	72	U	87	J
Benzo(a)anthracene	UG/KG	224	7840	22	J	72	U	76	U	75	U	520		48	J	5	J	530	
Benzo(a)pyrene	UG/KG	61	784	30	J	72	U	76	U	75	U	[redacted]		61	J	8.7	J	[redacted]	
Benzo(b)fluoranthene	UG/KG	1100	7840	45	J	72	U	76	U	75	U	570		60	J	7.9	J	930	
Benzo(ghi)perylene	UG/KG	50000		32	J	72	U	76	U	75	U	960		57	J	7.1	J	570	
Benzo(k)fluoranthene	UG/KG	1100	78400	42	J	72	U	76	U	75	U	780		56	J	7	J	1000	
Bis(2-Chloroethoxy)methane	UG/KG			91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Chloroethyl)ether	UG/KG		5203	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Chloroisopropyl)ether	UG/KG		61760	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	409800	14	JB	13	JB	5.6	JB	13	JB	350	U	9	JB	11	JB	25	JB
Butylbenzylphthalate	UG/KG	50000	105120000	7.1	J	72	U	7.7	J	75	U	350	U	74	U	72	U	350	U
Carbazole	UG/KG		266160	91	U	72	U	76	U	75	U	350	U	4.3	J	72	U	66	J
Chrysene	UG/KG	400	784000	45	J	6.6	J	4.4	J	75	U	720		56	J	8	J	980	
Di-n-butylphthalate	UG/KG	8100		4.7	JB	4.5	JB	76	U	75	U	350	U	74	U	72	U	350	U
Di-n-octylphthalate	UG/KG	50000	10512000	91	U	72	U	76	U	22	J	350	U	74	U	8.2	J	350	U
Dibenz[a,h]anthracene	UG/KG	14	784	10	J	72	U	76	U	75	U	370		21	J	72	U	240	J
Dibenzofuran	UG/KG	6200	2102400	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Diethyl phthalate	UG/KG	7100	420480000	6	JB	6.7	JB	76	U	7	JB	350	U	9.1	JB	8.4	JB	350	U
Dimethylphthalate	UG/KG	2000	5256000000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Fluoranthene	UG/KG	50000	21024000	53	J	5.6	J	5.6	J	75	U	410		70	J	8.6	J	1800	
Fluorene	UG/KG	50000	21024000	91	U	72	U	76	U	75	U	29	J	74	U	72	U	25	J
Hexachlorobenzene	UG/KG	410	3577	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachlorobutadiene	UG/KG		73374	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachlorocyclopentadiene	UG/KG		367200	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Hexachloroethane	UG/KG		408800	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	28	J	72	U	76	U	75	U	630		40	J	5.2	J	590	
Isophorone	UG/KG	4400		91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
N-Nitrosodiphenylamine	UG/KG		1168000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
N-Nitrosodipropylamine	UG/KG		818	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Naphthalene	UG/KG	13000	21024000	91	U	72	U	76	U	75	U	35	J	74	U	72	U	350	U
Nitrobenzene	UG/KG	200	262800	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Pentachlorophenol	UG/KG	1000	47693	220	U	170	U	180	U	180	U	840	U	180	U	180	U	860	U
Phenanthrene	UG/KG	50000		19	J	4.8	J	4.4	J	75	U	200	J	28	J	4.5	J	540	
Phenol	UG/KG	30	315360000	91	U	72	U	76	U	75	U	350	U	74	U	72	U	350	U
Pyrene	UG/KG	50000	15768000	55	J	5.5	J	5.2	J	75	U	1200		97		9.3	J	1400	
TPH	MG/KG			55.3		15	U	37.5		17	U	359		18.4	U	25.3		126	

SEAD-121E

Building 127 UST Petroleum Release

Table 6-1

Sample Collection Information
SEAD-121E - Building 127 UST Petroleum Release

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121E-1	EB267	3/17/98	0.00	0.30	SA	Location is N. of UST, on the S. edge of the railroad bed. This is downgradient of the filling area. Overhead lines, splitspoon hammered by hand. Surface soil sample, near water table.
SOIL	SB121E-1	EB268	3/17/98	0.80	1.10	SA	Same location as above. Refusal at 1.1 ft. Both samples taken from one spoon. Slight odor, no VOC's or impact to soils detected.
SOIL	SB121E-2	EB256	3/17/98	0.00	0.70	SA	Location is W. of UST. Parking area for tanker truck. Boring ajacent to small area of black stained soil. No VOC's or impact to soil detected.
SOIL	SB121E-2	EB257	3/17/98	5.10	5.50	SA	Same location as above. Sample taken at interval with a 44 ppm VOC screen & petrolem odor. Top of water table.

Notes:
SA = Sample

Table 6-2
SEAD-121E - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	4	0	0.00%	0	0	0	0	800	16396000
1,1,2,2-Tetrachloroethane	UG/KG	4	0	0.00%	0	0	0	0	600	266160
1,1,2-Trichloroethane	UG/KG	4	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	4	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	4	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethene	UG/KG	4	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	4	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	4	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	4	4	100.00%	400	1	116.5	0	200	52560000
Benzene	UG/KG	4	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	4	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	4	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	4	2	50.00%	2	0	2	0	2700	52560000
Carbon tetrachloride	UG/KG	4	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	4	1	25.00%	4	0	4	0	1700	10512000
Chlorodibromomethane	UG/KG	4	0	0.00%	0	0	0	0		66133
Chloroethane	UG/KG	4	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	4	1	25.00%	4	0	4	0	300	936230
Cis-1,3-Dichloropropene	UG/KG	4	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	4	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	4	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	4	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	4	0	0.00%	0	0	0	0		440246
Methyl ethyl ketone	UG/KG	4	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	4	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	4	0	0.00%	0	0	0	0	100	783093
Styrene	UG/KG	4	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	4	0	0.00%	0	0	0	0	1400	110002
Toluene	UG/KG	4	4	100.00%	36	0	20.75	0	1500	105120000
Total Xylenes	UG/KG	4	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	4	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	4	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	4	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	4	4	100.00%	260	0	141.45	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	1	25.00%	9.7	0	9.7	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	1	25.00%	7.6	0	7.6	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	2	50.00%	230	0	118.8	0	50000	
Acenaphthylene	UG/KG	4	2	50.00%	120	0	63.2	0	41000	
Anthracene	UG/KG	4	3	75.00%	630	0	225.2	0	50000	157680000
Benzo[a]anthracene	UG/KG	4	4	100.00%	3900	1	1015.75	0	224	7840
Benzo[a]pyrene	UG/KG	4	3	75.00%	3600	2	1234	0	61	784
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	3300	1	915.75	0	1100	7840
Benzo[ghi]perylene	UG/KG	4	3	75.00%	2000	0	666.3333333	0	50000	
Benzo[k]fluoranthene	UG/KG	4	3	75.00%	4800	1	1644	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	1	25.00%	6.2	0	6.2	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	2	50.00%	21	0	17.5	0	50000	406800
Butylbenzylphthalate	UG/KG	4	1	25.00%	12	0	12	0	50000	105120000
Carbazole	UG/KG	4	2	50.00%	420	0	218	0		286160
Chrysene	UG/KG	4	4	100.00%	4500	1	1190.25	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	8.9	0	8.9	0	8100	
Di-n-octylphthalate	UG/KG	4	1	25.00%	16	0	16	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	3	75.00%	690	3	314	0	14	784
Dibenzofuran	UG/KG	4	2	50.00%	120	0	64.2	0	6200	2102400
Diethyl phthalate	UG/KG	4	1	25.00%	15	0	15	0	7100	420480000
Dimethylphthalate	UG/KG	4	1	25.00%	6.2	0	6.2	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	6800	0	1795.25	0	50000	21024000
Fluorene	UG/KG	4	2	50.00%	330	0	169.45	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	1	25.00%	5.2	0	5.2	0		73374

Table 6-2
SEAD-121E - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		408800
Indeno(1,2,3-cd)pyrene	UG/KG	4	3	75.00%	1800	0	660.6666667	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	1	25.00%	6.2	0	6.2	0		1168000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	4	100.00%	98	0	68.5	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	4200	0	1140.25	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	6800	0	1800.75	0	50000	15768000
TPH	MG/KG	4	3	75.00%	3780	0	2224	0		
Lead	MG/KG	4	4	100.00%	92.5	2	50.125	0	24.4	

Table 6-3
SEAD-121E - Volatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum	
DESCRIPTION:				Release		Release		Release		Release	
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2	
SAMP_ID:				EB267		EB256		EB268		EB257	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0.8		5.1	
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles											
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	11	U	11	U	48	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	11	U	11	U	48	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	11	U	11	U	48	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	11	U	11	U	48	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	11	U	11	U	48	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	11	U	11	U	48	U
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	11	U	48	U
1,2-Dichloropropane	UG/KG		84165	11	U	11	U	11	U	48	U
Acetone	UG/KG	200	52560000	39		9	JB	18	B	[redacted]	
Benzene	UG/KG	60	197352	11	U	11	U	11	U	48	U
Bromodichloromethane	UG/KG		92310	11	U	11	U	11	U	48	U
Bromoform	UG/KG		724456	11	U	11	U	11	U	48	U
Carbon disulfide	UG/KG	2700	52560000	2	J	11	U	2	J	48	U
Carbon tetrachloride	UG/KG	600	44025	11	U	11	U	11	U	48	U
Chlorobenzene	UG/KG	1700	10512000	11	U	11	U	4	J	48	U
Chlorodibromomethane	UG/KG		68133	11	U	11	U	11	U	48	U
Chloroethane	UG/KG	1900	210240000	11	U	11	U	11	U	48	U
Chloroform	UG/KG	300	938230	11	U	11	U	4	JB	48	U
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	48	U
Ethyl benzene	UG/KG	5500	52560000	11	U	11	U	11	U	48	U
Methyl bromide	UG/KG		751608	11	U	11	U	11	U	48	U
Methyl butyl ketone	UG/KG			11	U	11	U	11	U	48	U
Methyl chloride	UG/KG		440246	11	U	11	U	11	U	48	U
Methyl ethyl ketone	UG/KG	300		11	U	11	U	11	U	48	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	11	U	11	U	48	U
Methylene chloride	UG/KG	100	763093	11	U	11	U	11	U	48	U
Styrene	UG/KG			11	U	11	U	11	U	48	U
Tetrachloroethene	UG/KG	1400	110062	11	U	11	U	11	U	48	U
Toluene	UG/KG	1500	105120000	27		11	J	7	J	38	J
Total Xylenes	UG/KG	1200	1051200000	11	U	11	U	11	U	48	U
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	48	U
Trichloroethene	UG/KG	700	520291	11	U	11	U	11	U	48	U
Vinyl chloride	UG/KG	200	3012	11	U	11	U	11	U	48	U

SEAD-121E - Semivolatiles/TPH and Lead in Soil vs NYTAGM
Non-Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum	
DESCRIPTION:				Release		Release		Release		Release	
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2	
SAMP_ID:				EB267		EB256		EB268		EB257	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0.8		5.1	
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	750	U	1400	U	360	U	81	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	750	U	1400	U	360	U	81	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	750	U	1400	U	360	U	81	U
1,4-Dichlorobenzene	UG/KG	8500	238467	750	U	1400	U	360	U	81	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	1800	U	3500	U	880	U	200	U
2,4,6-Trichlorophenol	UG/KG		520291	750	U	1400	U	360	U	81	U
2,4-Dichlorophenol	UG/KG	400	1576800	750	U	1400	U	360	U	81	U
2,4-Dimethylphenol	UG/KG		10512000	750	U	1400	U	360	U	81	U
2,4-Dinitrophenol	UG/KG	200	1051200	1800	U	3500	U	880	U	200	U
2,4-Dinitrotoluene	UG/KG		1051200	750	U	1400	U	360	U	81	U
2,6-Dinitrotoluene	UG/KG	1000	525600	750	U	1400	U	360	U	81	U
2-Chloronaphthalene	UG/KG			750	U	1400	U	360	U	81	U
2-Chlorophenol	UG/KG	800	2628000	750	U	1400	U	360	U	81	U
2-Methylnaphthalene	UG/KG	36400		220	J	76	J	260	J	9.8	J
2-Methylphenol	UG/KG	100	26280000	750	U	1400	U	360	U	81	U
2-Nitroaniline	UG/KG	430	31536	1800	U	3500	U	880	U	9.7	J
2-Nitrophenol	UG/KG	330		750	U	1400	U	360	U	81	U
3,3`-Dichlorobenzidine	UG/KG		12718	750	U	1400	U	360	U	81	U
3-Nitroaniline	UG/KG	500	1576800	1800	U	3500	U	880	U	200	U
4,6-Dinitro-2-methylphenol	UG/KG			1800	U	3500	U	880	U	200	U
4-Bromophenyl phenyl ether	UG/KG		30484800	750	U	1400	U	360	U	81	U
4-Chloro-3-methylphenol	UG/KG	240		750	U	1400	U	360	U	81	U
4-Chloroaniline	UG/KG	220	2102400	750	U	1400	U	360	U	81	U
4-Chlorophenyl phenyl ether	UG/KG			750	U	1400	U	360	U	7.6	J
4-Methylphenol	UG/KG	900		750	U	1400	U	360	U	81	U
4-Nitroaniline	UG/KG		1576800	1800	U	3500	U	880	U	200	U
4-Nitrophenol	UG/KG	100	31536000	1800	U	3500	U	880	U	200	U
Acenaphthene	UG/KG	50000		750	U	230	J	360	U	7.6	J
Acenaphthylene	UG/KG	41000		750	U	120	J	360	U	6.4	J
Anthracene	UG/KG	50000	157680000	750	U	630	J	37	J	8.6	J
Benzo[a]anthracene	UG/KG	224	7840	53	J	[redacted]		93	J	17	J
Benzo[a]pyrene	UG/KG	61	784	750	U	[redacted]		[redacted]	J	18	J
Benzo[b]fluoranthene	UG/KG	1100	7840	180	YJ	[redacted]		160	J	23	J
Benzo[ghi]perylene	UG/KG	50000		750	U	2000		81	J	17	J
Benzo[k]fluoranthene	UG/KG	1100	78400	750	U	[redacted]		110	J	22	J
Bis(2-Chloroethoxy)methane	UG/KG			750	U	1400	U	360	U	8.2	J
Bis(2-Chloroethyl)ether	UG/KG		5203	750	U	1400	U	360	U	81	U

SEAD-121E - Semivolatiles/TPH and Lead in Soil vs NYTAGM
Non-Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release	
DESCRIPTION:											
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2	
SAMP_ID:				EB267		EB256		EB268		EB257	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0.8		5.1	
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Chloroisopropyl)ether	UG/KG		81760	750	U	1400	U	360	U	81	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	750	U	1400	U	21	JB	14	JB
Butylbenzylphthalate	UG/KG	50000	105120000	750	U	1400	U	360	U	12	J
Carbazole	UG/KG		286160	750	U	420	J	360	U	16	J
Chrysene	UG/KG	400	784000	110	J	[redacted]		130	J	21	J
Di-n-butylphthalate	UG/KG	8100		750	U	1400	U	360	U	8.9	J
Di-n-octylphthalate	UG/KG	50000	10512000	750	U	1400	U	360	U	16	J
Dibenz[a,h]anthracene	UG/KG	14	784	750	U	[redacted]	J	[redacted]	J	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	750	U	120	J	360	U	8.4	J
Diethyl phthalate	UG/KG	7100	420480000	750	U	1400	U	360	U	15	JB
Dimethylphthalate	UG/KG	2000	5256000000	750	U	1400	U	360	U	6.2	J
Fluoranthene	UG/KG	50000	21024000	130	J	6800		220	J	31	J
Fluorene	UG/KG	50000	21024000	750	U	330	J	360	U	8.9	J
Hexachlorobenzene	UG/KG	410	3577	750	U	1400	U	360	U	81	U
Hexachlorobutadiene	UG/KG		73374	750	U	1400	U	360	U	5.2	J
Hexachlorocyclopentadiene	UG/KG		3679200	750	U	1400	U	360	U	81	U
Hexachloroethane	UG/KG		408800	750	U	1400	U	360	U	81	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	750	U	1900		67	J	15	J
Isophorone	UG/KG	4400		750	U	1400	U	360	U	81	U
N-Nitrosodiphenylamine	UG/KG		1168000	750	U	1400	U	360	U	6.2	J
N-Nitrosodipropylamine	UG/KG		818	750	U	1400	U	360	U	81	U
Naphthalene	UG/KG	13000	21024000	88	J	83	J	96	J	7	J
Nitrobenzene	UG/KG	200	262800	750	U	1400	U	360	U	81	U
Pentachlorophenol	UG/KG	1000	47693	1800	U	3500	U	880	U	200	U
Phenanthrene	UG/KG	50000		130	J	4200		210	J	21	J
Phenol	UG/KG	30	315360000	750	U	1400	U	360	U	81	U
Pyrene	UG/KG	50000	15768000	150	J	6800		230	J	23	J
TPH	MG/KG			3780		172		2800		18.3	U
Lead	MG/KG	24.4		[redacted]		24.2		[redacted]		16.3	

Table 6-5
SEAD-121E - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	4	0	0.00%	0	0	0	0	800	16396000
1,1,2,2-Tetrachloroethane	UG/KG	4	0	0.00%	0	0	0	0	600	288160
1,1,2-Trichloroethane	UG/KG	4	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	4	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	4	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	4	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	4	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	4	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	4	4	100.00%	400	0	116.5	0	200	52560000
Benzene	UG/KG	4	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	4	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	4	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	4	2	50.00%	2	0	2	0	2700	52560000
Carbon tetrachloride	UG/KG	4	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	4	1	25.00%	4	0	4	0	1700	10512000
Chlorodibromomethane	UG/KG	4	0	0.00%	0	0	0	0		66133
Chloroethane	UG/KG	4	0	0.00%	0	0	0	0	1000	210240000
Chloroform	UG/KG	4	1	25.00%	4	0	4	0	300	936230
Cis-1,3-Dichloropropene	UG/KG	4	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	4	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	4	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	4	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	4	0	0.00%	0	0	0	0		440246
Methyl ethyl ketone	UG/KG	4	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	4	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	4	0	0.00%	0	0	0	0	100	783093
Styrene	UG/KG	4	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	4	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	4	4	100.00%	38	0	20.75	0	1500	105120000
Total Xylenes	UG/KG	4	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	4	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	4	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	4	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	46776400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	236467
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2626000
2-Methylnaphthalene	UG/KG	4	4	100.00%	280	0	141.45	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	1	25.00%	9.7	0	9.7	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	1	25.00%	7.6	0	7.6	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	2	50.00%	230	0	118.8	0	50000	
Acenaphthylene	UG/KG	4	2	50.00%	120	0	63.2	0	41000	
Anthracene	UG/KG	4	3	75.00%	630	0	225.2	0	50000	157680000
Benzo(a)anthracene	UG/KG	4	4	100.00%	3900	0	1015.75	0	224	7840
Benzo(a)pyrene	UG/KG	4	3	75.00%	3600	1	1234	0	61	784
Benzo(b)fluoranthene	UG/KG	4	4	100.00%	3300	0	915.75	0	1100	7840
Benzo(ghi)perylene	UG/KG	4	3	75.00%	2000	0	699.3333333	0	50000	
Benzo(k)fluoranthene	UG/KG	4	3	75.00%	4800	0	1644	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	1	25.00%	6.2	0	6.2	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	2	50.00%	21	0	17.5	0	50000	409800
Butylbenzylphthalate	UG/KG	4	1	25.00%	12	0	12	0	50000	105120000
Carbazole	UG/KG	4	2	50.00%	420	0	218	0		286160
Chrysene	UG/KG	4	4	100.00%	4500	0	1180.25	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	8.9	0	8.9	0	8100	
Di-n-octylphthalate	UG/KG	4	1	25.00%	16	0	16	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	3	75.00%	890	1	314	0	14	784
Dibenzofuran	UG/KG	4	2	50.00%	120	0	64.2	0	6200	2102400
Diethyl phthalate	UG/KG	4	1	25.00%	15	0	15	0	7100	420480000
Dimethylphthalate	UG/KG	4	1	25.00%	8.2	0	8.2	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	6800	0	1795.25	0	50000	21024000
Fluorene	UG/KG	4	2	50.00%	330	0	169.45	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	1	25.00%	5.2	0	5.2	0		73374

Table 8-5
SEAD-121E - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NY TAGM	PRG-IND
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		406800
Indeno[1,2,3-cd]pyrene	UG/KG	4	3	75.00%	1900	0	660.6666667	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	1	25.00%	6.2	0	6.2	0		1168000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	4	100.00%	98	0	68.5	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	252600
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	4200	0	1140.25	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	6800	0	1800.75	0	50000	15768000
TPH	MG/KG	4	3	75.00%	3780	0	2224	0		
Lead	MG/KG	4	4	100.00%	92.5	0	50.125	0	24.4	

SEAD-121E - Volatiles in Soil vs PRG_IND
Non_Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release		SEAD-121E Bldg. 127 UST Petroleum Release
DESCRIPTION:										
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2
SAMP_ID:				EB267		EB256		EB268		EB257
QC CODE:				SA		SA		SA		SA
SAMP. DETH TOP:				0		0		0.8		5.1
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5
MATRIX:				SOIL		SOIL		SOIL		SOIL
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE
Volatiles										
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	11	U	11	U	48
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	11	U	11	U	48
1,1,2-Trichloroethane	UG/KG		100407	11	U	11	U	11	U	48
1,1-Dichloroethane	UG/KG	200	52560000	11	U	11	U	11	U	48
1,1-Dichloroethene	UG/KG	400	9539	11	U	11	U	11	U	48
1,2-Dichloroethane	UG/KG	100	62892	11	U	11	U	11	U	48
1,2-Dichloroethene (total)	UG/KG			11	U	11	U	11	U	48
1,2-Dichloropropane	UG/KG		84165	11	U	11	U	11	U	48
Acetone	UG/KG	200	52560000	39		9	JB	18	B	400
Benzene	UG/KG	60	197352	11	U	11	U	11	U	48
Bromodichloromethane	UG/KG		92310	11	U	11	U	11	U	48
Bromoform	UG/KG		724456	11	U	11	U	11	U	48
Carbon disulfide	UG/KG	2700	52560000	2	J	11	U	2	J	48
Carbon tetrachloride	UG/KG	600	44025	11	U	11	U	11	U	48
Chlorobenzene	UG/KG	1700	10512000	11	U	11	U	4	J	48
Chlorodibromomethane	UG/KG		68133	11	U	11	U	11	U	48
Chloroethane	UG/KG	1900	210240000	11	U	11	U	11	U	48
Chloroform	UG/KG	300	938230	11	U	11	U	4	JB	48
Cis-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	48
Ethyl benzene	UG/KG	5500	52560000	11	U	11	U	11	U	48
Methyl bromide	UG/KG		751608	11	U	11	U	11	U	48
Methyl butyl ketone	UG/KG			11	U	11	U	11	U	48
Methyl chloride	UG/KG		440246	11	U	11	U	11	U	48
Methyl ethyl ketone	UG/KG	300		11	U	11	U	11	U	48
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	11	U	11	U	48
Methylene chloride	UG/KG	100	763093	11	U	11	U	11	U	48
Styrene	UG/KG			11	U	11	U	11	U	48
Tetrachloroethene	UG/KG	1400	110062	11	U	11	U	11	U	48
Toluene	UG/KG	1500	105120000	27		11	J	7	J	38
Total Xylenes	UG/KG	1200	1051200000	11	U	11	U	11	U	48
Trans-1,3-Dichloropropene	UG/KG			11	U	11	U	11	U	48
Trichloroethene	UG/KG	700	520291	11	U	11	U	11	U	48
Vinyl chloride	UG/KG	200	3012	11	U	11	U	11	U	48

SEAD-121E - Semivolatiles/TPH and Lead in Soil vs. PRG-IND
Non Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum	
DESCRIPTION:				Release		Release		Release		Release	
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2	
SAMP_ID:				EB267		EB256		EB268		EB257	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0.8		5.1	
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	750	U	1400	U	360	U	81	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	750	U	1400	U	360	U	81	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	750	U	1400	U	360	U	81	U
1,4-Dichlorobenzene	UG/KG	8500	238467	750	U	1400	U	360	U	81	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	1800	U	3500	U	880	U	200	U
2,4,6-Trichlorophenol	UG/KG		520291	750	U	1400	U	360	U	81	U
2,4-Dichlorophenol	UG/KG	400	1576800	750	U	1400	U	360	U	81	U
2,4-Dimethylphenol	UG/KG		10512000	750	U	1400	U	360	U	81	U
2,4-Dinitrophenol	UG/KG	200	1051200	1800	U	3500	U	880	U	200	U
2,4-Dinitrotoluene	UG/KG		1051200	750	U	1400	U	360	U	81	U
2,6-Dinitrotoluene	UG/KG	1000	525600	750	U	1400	U	360	U	81	U
2-Chloronaphthalene	UG/KG			750	U	1400	U	360	U	81	U
2-Chlorophenol	UG/KG	800	2628000	750	U	1400	U	360	U	81	U
2-Methylnaphthalene	UG/KG	36400		220	J	76	J	260	J	9.8	J
2-Methylphenol	UG/KG	100	26280000	750	U	1400	U	360	U	81	U
2-Nitroaniline	UG/KG	430	31536	1800	U	3500	U	880	U	9.7	J
2-Nitrophenol	UG/KG	330		750	U	1400	U	360	U	81	U
3,3`-Dichlorobenzidine	UG/KG		12718	750	U	1400	U	360	U	81	U
3-Nitroaniline	UG/KG	500	1576800	1800	U	3500	U	880	U	200	U
4,6-Dinitro-2-methylphenol	UG/KG			1800	U	3500	U	880	U	200	U
4-Bromophenyl phenyl ether	UG/KG		30484800	750	U	1400	U	360	U	81	U
4-Chloro-3-methylphenol	UG/KG	240		750	U	1400	U	360	U	81	U
4-Chloroaniline	UG/KG	220	2102400	750	U	1400	U	360	U	81	U
4-Chlorophenyl phenyl ether	UG/KG			750	U	1400	U	360	U	7.6	J
4-Methylphenol	UG/KG	900		750	U	1400	U	360	U	81	U
4-Nitroaniline	UG/KG		1576800	1800	U	3500	U	880	U	200	U
4-Nitrophenol	UG/KG	100	31536000	1800	U	3500	U	880	U	200	U
Acenaphthene	UG/KG	50000		750	U	230	J	360	U	7.6	J
Acenaphthylene	UG/KG	41000		750	U	120	J	360	U	6.4	J
Anthracene	UG/KG	50000	157680000	750	U	630	J	37	J	8.6	J
Benzo[a]anthracene	UG/KG	224	7840	53	J	3900		93	J	17	J
Benzo[a]pyrene	UG/KG	61	784	750	U	[redacted]		84	J	18	J
Benzo[b]fluoranthene	UG/KG	1100	7840	180	YJ	3300		160	J	23	J
Benzo[ghi]perylene	UG/KG	50000		750	U	2000		81	J	17	J
Benzo[k]fluoranthene	UG/KG	1100	78400	750	U	4800		110	J	22	J
Bis(2-Chloroethoxy)methane	UG/KG			750	U	1400	U	360	U	6.2	J
Bis(2-Chloroethyl)ether	UG/KG		5203	750	U	1400	U	360	U	81	U

SEAD-121E - Semivolatiles/TPH and Lead in Soil vs. PRG-IND
Non Evaluated EBS Sites

SITE:				SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum		SEAD-121E Bldg. 127 UST Petroleum	
DESCRIPTION:				Release		Release		Release		Release	
LOC ID:				SB121E-1		SB121E-1		SB121E-1		SB121E-2	
SAMP_ID:				EB267		EB256		EB268		EB257	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		0.8		5.1	
SAMP. DEPTH BOT:				0.3		0.7		1.1		5.5	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				17-Mar-98		17-Mar-98		17-Mar-98		17-Mar-98	
PARAMETER	UNIT	NY TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Chloroisopropyl)ether	UG/KG		81760	750	U	1400	U	360	U	81	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	750	U	1400	U	21	JB	14	JB
Butylbenzylphthalate	UG/KG	50000	105120000	750	U	1400	U	360	U	12	J
Carbazole	UG/KG		286160	750	U	420	J	360	U	16	J
Chrysene	UG/KG	400	784000	110	J	4500		130	J	21	J
Di-n-butylphthalate	UG/KG	8100		750	U	1400	U	360	U	8.9	J
Di-n-octylphthalate	UG/KG	50000	10512000	750	U	1400	U	360	U	16	J
Dibenz[a,h]anthracene	UG/KG	14	784	750	U	[redacted]	J	36	J	16	J
Dibenzofuran	UG/KG	6200	2102400	750	U	120	J	360	U	8.4	J
Diethyl phthalate	UG/KG	7100	420480000	750	U	1400	U	360	U	15	JB
Dimethylphthalate	UG/KG	2000	5256000000	750	U	1400	U	360	U	6.2	J
Fluoranthene	UG/KG	50000	21024000	130	J	6800		220	J	31	J
Fluorene	UG/KG	50000	21024000	750	U	330	J	360	U	8.9	J
Hexachlorobenzene	UG/KG	410	3577	750	U	1400	U	360	U	81	U
Hexachlorobutadiene	UG/KG		73374	750	U	1400	U	360	U	5.2	J
Hexachlorocyclopentadiene	UG/KG		3679200	750	U	1400	U	360	U	81	U
Hexachloroethane	UG/KG		408800	750	U	1400	U	360	U	81	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	750	U	1900		67	J	15	J
Isophorone	UG/KG	4400		750	U	1400	U	360	U	81	U
N-Nitrosodiphenylamine	UG/KG		1168000	750	U	1400	U	360	U	6.2	J
N-Nitrosodipropylamine	UG/KG		818	750	U	1400	U	360	U	81	U
Naphthalene	UG/KG	13000	21024000	88	J	83	J	98	J	7	J
Nitrobenzene	UG/KG	200	262800	750	U	1400	U	360	U	81	U
Pentachlorophenol	UG/KG	1000	47693	1800	U	3500	U	880	U	200	U
Phenanthrene	UG/KG	50000		130	J	4200		210	J	21	J
Phenol	UG/KG	30	315360000	750	U	1400	U	360	U	81	U
Pyrene	UG/KG	50000	15768000	150	J	6800		230	J	23	J
TPH	MG/KG			3780		172		2800		18.3	U
Lead	MG/KG	24.4		67.5		24.2		92.5		16.3	

SEAD-121F

Building 135 Stained Soil

Table 7-1

Sample Collection Information
SEAD-121F - Building 135 Stained Soil

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS121F-1	EB273	3/18/98	0.00	0.20	SA	Sample location is in the NW area of Bldg. 135. Severe surface soil staining.
SURFACE SOIL	SS121F-2	EB274	3/18/98	0.00	0.20	SA	Sample location is in the E. central area of Bldg. 135. Severe surface soil staining.
SURFACE SOIL	SS121F-3	EB275	3/18/98	0.00	0.20	SA	Sample location is in the W. central area of Bldg. 135. Severe surface soil staining.

Notes:
SA = Sample

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency Detection	Maximum Value	Number of Exceedan	Mean of Detected	Number of Rejected	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	3	0	0.00%	0	0	0	0	800	16396000
1,1,2,2-Tetrachloroethane	UG/KG	3	0	0.00%	0	0	0	0	600	286160
1,1,2-Trichloroethane	UG/KG	3	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	3	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	3	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	3	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	3	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	3	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	3	3	100.00%	75	0	47.66667	0	200	52560000
Benzene	UG/KG	3	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	3	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	3	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	3	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	3	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	3	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	3	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	3	0	0.00%	0	0	0	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	3	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	3	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	3	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	3	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	3	0	0.00%	0	0	0	0		440246
Methyl ethyl ketone	UG/KG	3	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	3	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	3	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	3	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	3	0	0.00%	0	0	0	0	1400	110082
Toluene	UG/KG	3	3	100.00%	56	0	48	0	1500	105120000
Total Xylenes	UG/KG	3	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	3	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	3	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	3	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	8500	236467
2,4,5-Trichlorophenol	UG/KG	3	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	3	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	3	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	3	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	3	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	3	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	3	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	3	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	3	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	3	3	100.00%	36	0	22	0	36400	
2-Methylphenol	UG/KG	3	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	3	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	3	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	3	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	3	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	3	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	3	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	3	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	3	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	3	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	3	2	66.67%	7.4	0	6.9	0	50000	
Acenaphthylene	UG/KG	3	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	3	2	66.67%	13	0	13	0	50000	157680000
Benzo[a]anthracene	UG/KG	3	3	100.00%	68	0	48	0	224	7840
Benzo[a]pyrene	UG/KG	3	3	100.00%	71	1	49.33333	0	61	784
Benzo[b]fluoranthene	UG/KG	3	3	100.00%	110	0	77	0	1100	7840
Benzo[ghi]perylene	UG/KG	3	3	100.00%	60	0	49.33333	0	50000	
Benzo[k]fluoranthene	UG/KG	3	3	100.00%	72	0	49	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	3	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	3	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	3	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	3	3	100.00%	43	0	30.33333	0	50000	408800
Butylbenzylphthalate	UG/KG	3	2	66.67%	22	0	15.95	0	50000	105120000
Carbazole	UG/KG	3	2	66.67%	21	0	18	0		286160
Chrysene	UG/KG	3	3	100.00%	94	0	65.66667	0	400	784000
Di-n-butylphthalate	UG/KG	3	3	100.00%	8.1	0	5.833333	0	8100	
Di-n-octylphthalate	UG/KG	3	1	33.33%	7.5	0	7.5	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	3	2	66.67%	23	2	20.5	0	14	784
Dibenzofuran	UG/KG	3	2	66.67%	10	0	9.5	0	6200	2102400
Diethyl phthalate	UG/KG	3	2	66.67%	12	0	10.25	0	7100	420480000
Dimethylphthalate	UG/KG	3	0	0.00%	0	0	0	0	2000	5256000000

Seneca Army Depot Activity
Table 7-2
SEAD-121F - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency Detection	Maximum Value	Number of Exceedan	Mean of Detected	Number of Rejected	NYSDEC TAGM	PRG-IND
Fluoranthene	UG/KG	3	3	100.00%	140	0	98	0	50000	21024000
Fluorene	UG/KG	3	1	33.33%	9.2	0	9.2	0	50000	21024000
Hexachlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	3	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	3	0	0.00%	0	0	0	0		3579200
Hexachloroethane	UG/KG	3	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	3	3	100.00%	53	0	39.33333	0	3200	7840
Isophorone	UG/KG	3	2	66.67%	91	0	59	0	4400	
N-Nitrosodiphenylamine	UG/KG	3	1	33.33%	6.2	0	6.2	0		1166000
N-Nitrosodipropylamine	UG/KG	3	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	3	3	100.00%	14	0	11	0	13000	21024000
Nitrobenzene	UG/KG	3	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	3	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	3	3	100.00%	93	0	63	0	50000	
Phenol	UG/KG	3	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	3	3	100.00%	230	0	147	0	50000	15768000
TPH	MG/KG	3	3	100.00%	419	0	368	0		
Lead	MG/KG	3	3	100.00%	31.8	3	22.4	0	24.4	

Seneca Army Depot Activity
Table 7-3
SEAD-121F Volatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles									
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	12	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	12	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	12	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	12	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	12	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	12	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	12	U	11	U
1,2-Dichloropropane	UG/KG		84165	11	U	12	U	11	U
Acetone	UG/KG	200	52560000	44	B	75	B	24	B
Benzene	UG/KG	60	197352	11	U	12	U	11	U
Bromodichloromethane	UG/KG		92310	11	U	12	U	11	U
Bromoform	UG/KG		724456	11	U	12	U	11	U
Carbon disulfide	UG/KG	2700	52560000	11	U	12	U	11	U
Carbon tetrachloride	UG/KG	600	44025	11	U	12	U	11	U
Chlorobenzene	UG/KG	1700	10512000	11	U	12	U	11	U
Chlorodibromomethane	UG/KG		68133	11	U	12	U	11	U
Chloroethane	UG/KG	1900	210240000	11	U	12	U	11	U
Chloroform	UG/KG	300	938230	11	U	12	U	11	U
Cis-1,3-Dichloropropene	UG/KG			11	U	12	U	11	U
Ethyl benzene	UG/KG	5500	52560000	11	U	12	U	11	U
Methyl bromide	UG/KG		751608	11	U	12	U	11	U
Methyl butyl ketone	UG/KG			11	U	12	U	11	U
Methyl chloride	UG/KG		440246	11	U	12	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	12	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	12	U	11	U
Methylene chloride	UG/KG	100	763093	11	U	12	U	11	U
Styrene	UG/KG			11	U	12	U	11	U
Tetrachloroethene	UG/KG	1400	110062	11	U	12	U	11	U
Toluene	UG/KG	1500	105120000	56		56		32	
Total Xylenes	UG/KG	1200	1051200000	11	U	12	U	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	12	U	11	U
Trichloroethene	UG/KG	700	520291	11	U	12	U	11	U
Vinyl chloride	UG/KG	200	3012	11	U	12	U	11	U

Table 7-4
SEAD-121F
Semivolatiles/TPH and Lead in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles									
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	75	U	69	U	72	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	75	U	69	U	72	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	75	U	69	U	72	U
1,4-Dichlorobenzene	UG/KG	8500	238467	75	U	69	U	72	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	180	U	170	U	180	U
2,4,6-Trichlorophenol	UG/KG		520291	75	U	69	U	72	U
2,4-Dichlorophenol	UG/KG	400	1576800	75	U	69	U	72	U
2,4-Dimethylphenol	UG/KG		10512000	75	U	69	U	72	U
2,4-Dinitrophenol	UG/KG	200	1051200	180	U	170	U	180	U
2,4-Dinitrotoluene	UG/KG		1051200	75	U	69	U	72	U
2,6-Dinitrotoluene	UG/KG	1000	525600	75	U	69	U	72	U
2-Chloronaphthalene	UG/KG			75	U	69	U	72	U
2-Chlorophenol	UG/KG	800	2628000	75	U	69	U	72	U
2-Methylnaphthalene	UG/KG	36400		17	J	13	J	36	J
2-Methylphenol	UG/KG	100	26280000	75	U	69	U	72	U
2-Nitroaniline	UG/KG	430	31536	180	U	170	U	180	U
2-Nitrophenol	UG/KG	330		75	U	69	U	72	U
3,3`-Dichlorobenzidine	UG/KG		12718	75	U	69	U	72	U
3-Nitroaniline	UG/KG	500	1576800	180	U	170	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	170	U	180	U
4-Bromophenyl phenyl ether	UG/KG		30484800	75	U	69	U	72	U
4-Chloro-3-methylphenol	UG/KG	240		75	U	69	U	72	U
4-Chloroaniline	UG/KG	220	2102400	75	U	69	U	72	U
4-Chlorophenyl phenyl ether	UG/KG			75	U	69	U	72	U
4-Methylphenol	UG/KG	900		75	U	69	U	72	U
4-Nitroaniline	UG/KG		1576800	180	U	170	U	180	U
4-Nitrophenol	UG/KG	100	31536000	180	U	170	U	180	U
Acenaphthene	UG/KG	50000		7.4	J	69	U	6.4	J
Acenaphthylene	UG/KG	41000		75	U	69	U	72	U
Anthracene	UG/KG	50000	157680000	13	J	69	U	13	J
Benzo[a]anthracene	UG/KG	224	7840	56	J	14	J	68	J
Benzo[a]pyrene	UG/KG	61	784	58	J	19	J	[redacted]	J
Benzo[b]fluoranthene	UG/KG	1100	7840	100		21	J	110	
Benzo[ghi]perylene	UG/KG	50000		60	J	30	J	58	J
Benzo[k]fluoranthene	UG/KG	1100	78400	59	J	16	J	72	J
Bis(2-Chloroethoxy)methane	UG/KG			75	U	69	U	72	U
Bis(2-Chloroethyl)ether	UG/KG		5203	75	U	69	U	72	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	75	U	69	U	72	U

SEAD-121F
Semivolatiles/TPH and Lead in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	43	JB	13	JB	35	JB
Butylbenzylphthalate	UG/KG	50000	105120000	22	J	69	U	9.9	J
Carbazole	UG/KG		286160	21	J	69	U	15	J
Chrysene	UG/KG	400	784000	82		21	J	94	
Di-n-butylphthalate	UG/KG	8100		8.1	J	4.8	J	4.6	J
Di-n-octylphthalate	UG/KG	50000	10512000	7.5	J	69	U	72	U
Dibenz[a,h]anthracene	UG/KG	14	784	[redacted]	J	69	U	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	10	J	69	U	9	J
Diethyl phthalate	UG/KG	7100	420480000	12	J	8.5	J	72	U
Dimethylphthalate	UG/KG	2000	5256000000	75	U	69	U	72	U
Fluoranthene	UG/KG	50000	21024000	130		24	J	140	
Fluorene	UG/KG	50000	21024000	9.2	J	69	U	72	U
Hexachlorobenzene	UG/KG	410	3577	75	U	69	U	72	U
Hexachlorobutadiene	UG/KG		73374	75	U	69	U	72	U
Hexachlorocyclopentadiene	UG/KG		3679200	75	U	69	U	72	U
Hexachloroethane	UG/KG		408800	75	U	69	U	72	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	53	J	17	J	48	J
Isophorone	UG/KG	4400		91		69	U	27	J
N-Nitrosodiphenylamine	UG/KG		1168000	6.2	J	69	U	72	U
N-Nitrosodipropylamine	UG/KG		818	75	U	69	U	72	U
Naphthalene	UG/KG	13000	21024000	10	J	9	J	14	J
Nitrobenzene	UG/KG	200	262800	75	U	69	U	72	U
Pentachlorophenol	UG/KG	1000	47693	180	U	170	U	180	U
Phenanthrene	UG/KG	50000		75		21	J	93	
Phenol	UG/KG	30	315360000	75	U	69	U	72	U
Pyrene	UG/KG	50000	15768000	150		61	J	230	
TPH	MG/KG			395		419		290	
Lead	MG/KG	24.4		[redacted]		[redacted]		24.3	

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Value	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Volatiles										
1,1,1-Trichloroethane	UG/KG	3	0	0.00%	0	0	0	0	800	18396000
1,1,2,2-Tetrachloroethane	UG/KG	3	0	0.00%	0	0	0	0	600	288160
1,1,2-Trichloroethane	UG/KG	3	0	0.00%	0	0	0	0		100407
1,1-Dichloroethane	UG/KG	3	0	0.00%	0	0	0	0	200	52560000
1,1-Dichloroethene	UG/KG	3	0	0.00%	0	0	0	0	400	9539
1,2-Dichloroethane	UG/KG	3	0	0.00%	0	0	0	0	100	62892
1,2-Dichloroethene (total)	UG/KG	3	0	0.00%	0	0	0	0		
1,2-Dichloropropane	UG/KG	3	0	0.00%	0	0	0	0		84165
Acetone	UG/KG	3	3	100.00%	75	0	47.66666667	0	200	52560000
Benzene	UG/KG	3	0	0.00%	0	0	0	0	60	197352
Bromodichloromethane	UG/KG	3	0	0.00%	0	0	0	0		92310
Bromoform	UG/KG	3	0	0.00%	0	0	0	0		724456
Carbon disulfide	UG/KG	3	0	0.00%	0	0	0	0	2700	52560000
Carbon tetrachloride	UG/KG	3	0	0.00%	0	0	0	0	600	44025
Chlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	1700	10512000
Chlorodibromomethane	UG/KG	3	0	0.00%	0	0	0	0		68133
Chloroethane	UG/KG	3	0	0.00%	0	0	0	0	1900	210240000
Chloroform	UG/KG	3	0	0.00%	0	0	0	0	300	938230
Cis-1,3-Dichloropropene	UG/KG	3	0	0.00%	0	0	0	0		
Ethyl benzene	UG/KG	3	0	0.00%	0	0	0	0	5500	52560000
Methyl bromide	UG/KG	3	0	0.00%	0	0	0	0		751608
Methyl butyl ketone	UG/KG	3	0	0.00%	0	0	0	0		
Methyl chloride	UG/KG	3	0	0.00%	0	0	0	0		440245
Methyl ethyl ketone	UG/KG	3	0	0.00%	0	0	0	0	300	
Methyl isobutyl ketone	UG/KG	3	0	0.00%	0	0	0	0	1000	42048000
Methylene chloride	UG/KG	3	0	0.00%	0	0	0	0	100	763093
Styrene	UG/KG	3	0	0.00%	0	0	0	0		
Tetrachloroethene	UG/KG	3	0	0.00%	0	0	0	0	1400	110062
Toluene	UG/KG	3	3	100.00%	56	0	48	0	1500	105120000
Total Xylenes	UG/KG	3	0	0.00%	0	0	0	0	1200	1051200000
Trans-1,3-Dichloropropene	UG/KG	3	0	0.00%	0	0	0	0		
Trichloroethene	UG/KG	3	0	0.00%	0	0	0	0	700	520291
Vinyl chloride	UG/KG	3	0	0.00%	0	0	0	0	200	3012
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	1600	46776400
1,4-Dichlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	3	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	3	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	3	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	3	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	3	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	3	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	3	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	3	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	3	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	3	3	100.00%	36	0	22	0	36400	
2-Methylphenol	UG/KG	3	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0	430	31535
2-Nitrophenol	UG/KG	3	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	3	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	3	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	3	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	3	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	3	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	3	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	3	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	3	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	3	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	3	2	66.67%	7.4	0	6.9	0	50000	
Acenaphthylene	UG/KG	3	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	3	2	66.67%	13	0	13	0	50000	157680000
Benzo[a]anthracene	UG/KG	3	3	100.00%	68	0	46	0	224	7840
Benzo[a]pyrene	UG/KG	3	3	100.00%	71	0	49.33333333	0	61	784
Benzo[b]fluoranthene	UG/KG	3	3	100.00%	110	0	77	0	1100	7840
Benzo[ghi]perylene	UG/KG	3	3	100.00%	60	0	49.33333333	0	50000	
Benzo[k]fluoranthene	UG/KG	3	3	100.00%	72	0	49	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	3	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	3	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	3	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	3	3	100.00%	43	0	30.33333333	0	50000	406800
Butylbenzylphthalate	UG/KG	3	2	66.67%	22	0	15.95	0	50000	105120000
Carbazole	UG/KG	3	2	66.67%	21	0	18	0		286160
Chrysene	UG/KG	3	3	100.00%	94	0	65.66666667	0	400	784000
Di-n-butylphthalate	UG/KG	3	3	100.00%	6.1	0	5.833333333	0	8100	
Di-n-octylphthalate	UG/KG	3	1	33.33%	7.5	0	7.5	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	3	2	66.67%	23	0	20.5	0	14	784
Dibenzofuran	UG/KG	3	2	66.67%	10	0	9.5	0	6200	2102400
Diethyl phthalate	UG/KG	3	2	66.67%	12	0	10.25	0	7100	420480000
Dimethylphthalate	UG/KG	3	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	3	3	100.00%	140	0	98	0	50000	21024000
Fluorene	UG/KG	3	1	33.33%	9.2	0	9.2	0	50000	21024000
Hexachlorobenzene	UG/KG	3	0	0.00%	0	0	0	0	410	3577

Table 7-5
SEAD-121F - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Value	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Hexachlorobutadiene	UG/KG	3	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	3	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	3	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	3	3	100.00%	53	0	39.33333333	0	3200	7840
Isophorone	UG/KG	3	2	66.67%	91	0	59	0	4400	
N-Nitrosodiphenylamine	UG/KG	3	1	33.33%	6.2	0	6.2	0		1166000
N-Nitrosodipropylamine	UG/KG	3	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	3	3	100.00%	14	0	11	0	13000	21024000
Nitrobenzene	UG/KG	3	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	3	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	3	3	100.00%	93	0	63	0	50000	
Phenol	UG/KG	3	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	3	3	100.00%	230	0	147	0	50000	15768000
TPH	MG/KG	3	3	100.00%	419	0	368	0		
Lead	MG/KG	3	3	100.00%	31.8	2	22.4	0	24.4	

SEAD-121F - Volatiles in Soil vs. PRG-IND
Non Evalutated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Volatiles									
1,1,1-Trichloroethane	UG/KG	800	18396000	11	U	12	U	11	U
1,1,2,2-Tetrachloroethane	UG/KG	600	286160	11	U	12	U	11	U
1,1,2-Trichloroethane	UG/KG		100407	11	U	12	U	11	U
1,1-Dichloroethane	UG/KG	200	52560000	11	U	12	U	11	U
1,1-Dichloroethene	UG/KG	400	9539	11	U	12	U	11	U
1,2-Dichloroethane	UG/KG	100	62892	11	U	12	U	11	U
1,2-Dichloroethene (total)	UG/KG			11	U	12	U	11	U
1,2-Dichloropropane	UG/KG		84165	11	U	12	U	11	U
Acetone	UG/KG	200	52560000	44	B	75	B	24	B
Benzene	UG/KG	60	197352	11	U	12	U	11	U
Bromodichloromethane	UG/KG		92310	11	U	12	U	11	U
Bromoform	UG/KG		724456	11	U	12	U	11	U
Carbon disulfide	UG/KG	2700	52560000	11	U	12	U	11	U
Carbon tetrachloride	UG/KG	600	44025	11	U	12	U	11	U
Chlorobenzene	UG/KG	1700	10512000	11	U	12	U	11	U
Chlorodibromomethane	UG/KG		68133	11	U	12	U	11	U
Chloroethane	UG/KG	1900	210240000	11	U	12	U	11	U
Chloroform	UG/KG	300	938230	11	U	12	U	11	U
Cis-1,3-Dichloropropene	UG/KG			11	U	12	U	11	U
Ethyl benzene	UG/KG	5500	52560000	11	U	12	U	11	U
Methyl bromide	UG/KG		751608	11	U	12	U	11	U
Methyl butyl ketone	UG/KG			11	U	12	U	11	U
Methyl chloride	UG/KG		440246	11	U	12	U	11	U
Methyl ethyl ketone	UG/KG	300		11	U	12	U	11	U
Methyl isobutyl ketone	UG/KG	1000	42048000	11	U	12	U	11	U
Methylene chloride	UG/KG	100	763093	11	U	12	U	11	U
Styrene	UG/KG			11	U	12	U	11	U
Tetrachloroethene	UG/KG	1400	110062	11	U	12	U	11	U
Toluene	UG/KG	1500	105120000	56		56		32	
Total Xylenes	UG/KG	1200	1051200000	11	U	12	U	11	U
Trans-1,3-Dichloropropene	UG/KG			11	U	12	U	11	U
Trichloroethene	UG/KG	700	520291	11	U	12	U	11	U
Vinyl chloride	UG/KG	200	3012	11	U	12	U	11	U

SEAD-121F - Semivolatiles/TPH and Lead in Soil vs. PRG-IND
Non Evalutated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles									
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	75	U	69	U	72	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	75	U	69	U	72	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	75	U	69	U	72	U
1,4-Dichlorobenzene	UG/KG	8500	238467	75	U	69	U	72	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	180	U	170	U	180	U
2,4,6-Trichlorophenol	UG/KG		520291	75	U	69	U	72	U
2,4-Dichlorophenol	UG/KG	400	1576800	75	U	69	U	72	U
2,4-Dimethylphenol	UG/KG		10512000	75	U	69	U	72	U
2,4-Dinitrophenol	UG/KG	200	1051200	180	U	170	U	180	U
2,4-Dinitrotoluene	UG/KG		1051200	75	U	69	U	72	U
2,6-Dinitrotoluene	UG/KG	1000	525600	75	U	69	U	72	U
2-Chloronaphthalene	UG/KG			75	U	69	U	72	U
2-Chlorophenol	UG/KG	800	2628000	75	U	69	U	72	U
2-Methylnaphthalene	UG/KG	36400		17	J	13	J	36	J
2-Methylphenol	UG/KG	100	26280000	75	U	69	U	72	U
2-Nitroaniline	UG/KG	430	31536	180	U	170	U	180	U
2-Nitrophenol	UG/KG	330		75	U	69	U	72	U
3,3'-Dichlorobenzidine	UG/KG		12718	75	U	69	U	72	U
3-Nitroaniline	UG/KG	500	1576800	180	U	170	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	170	U	180	U
4-Bromophenyl phenyl ether	UG/KG		30484800	75	U	69	U	72	U
4-Chloro-3-methylphenol	UG/KG	240		75	U	69	U	72	U
4-Chloroaniline	UG/KG	220	2102400	75	U	69	U	72	U
4-Chlorophenyl phenyl ether	UG/KG			75	U	69	U	72	U
4-Methylphenol	UG/KG	900		75	U	69	U	72	U
4-Nitroaniline	UG/KG		1576800	180	U	170	U	180	U
4-Nitrophenol	UG/KG	100	31536000	180	U	170	U	180	U
Acenaphthene	UG/KG	50000		7.4	J	69	U	6.4	J
Acenaphthylene	UG/KG	41000		75	U	69	U	72	U
Anthracene	UG/KG	50000	157680000	13	J	69	U	13	J
Benzo[a]anthracene	UG/KG	224	7840	56	J	14	J	68	J
Benzo[a]pyrene	UG/KG	61	784	58	J	19	J	71	J
Benzo[b]fluoranthene	UG/KG	1100	7840	100		21	J	110	
Benzo[ghi]perylene	UG/KG	50000		60	J	30	J	58	J
Benzo[k]fluoranthene	UG/KG	1100	78400	59	J	16	J	72	J
Bis(2-Chloroethoxy)methane	UG/KG			75	U	69	U	72	U
Bis(2-Chloroethyl)ether	UG/KG		5203	75	U	69	U	72	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	75	U	69	U	72	U

SEAD-121F - Semivolatiles/TPH and Lead in Soil vs. PRG-IND
Non Evalutated EBS Sites

SITE				SEAD-121F		SEAD-121F		SEAD-121F	
				Bldg. 135		Bldg. 135		Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles									
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	75	U	69	U	72	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	75	U	69	U	72	U
1,3-Dichlorobenzene	UG/KG	1600	46776400	75	U	69	U	72	U
1,4-Dichlorobenzene	UG/KG	8500	238467	75	U	69	U	72	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	180	U	170	U	180	U
2,4,6-Trichlorophenol	UG/KG		520291	75	U	69	U	72	U
2,4-Dichlorophenol	UG/KG	400	1576800	75	U	69	U	72	U
2,4-Dimethylphenol	UG/KG		10512000	75	U	69	U	72	U
2,4-Dinitrophenol	UG/KG	200	1051200	180	U	170	U	180	U
2,4-Dinitrotoluene	UG/KG		1051200	75	U	69	U	72	U
2,6-Dinitrotoluene	UG/KG	1000	525600	75	U	69	U	72	U
2-Chloronaphthalene	UG/KG			75	U	69	U	72	U
2-Chlorophenol	UG/KG	800	2628000	75	U	69	U	72	U
2-Methylnaphthalene	UG/KG	36400		17	J	13	J	36	J
2-Methylphenol	UG/KG	100	26280000	75	U	69	U	72	U
2-Nitroaniline	UG/KG	430	31536	180	U	170	U	180	U
2-Nitrophenol	UG/KG	330		75	U	69	U	72	U
3,3`-Dichlorobenzidine	UG/KG		12718	75	U	69	U	72	U
3-Nitroaniline	UG/KG	500	1576800	180	U	170	U	180	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	170	U	180	U
4-Bromophenyl phenyl ether	UG/KG		30484800	75	U	69	U	72	U
4-Chloro-3-methylphenol	UG/KG	240		75	U	69	U	72	U
4-Chloroaniline	UG/KG	220	2102400	75	U	69	U	72	U
4-Chlorophenyl phenyl ether	UG/KG			75	U	69	U	72	U
4-Methylphenol	UG/KG	900		75	U	69	U	72	U
4-Nitroaniline	UG/KG		1576800	180	U	170	U	180	U
4-Nitrophenol	UG/KG	100	31536000	180	U	170	U	180	U
Acenaphthene	UG/KG	50000		7.4	J	69	U	8.4	J
Acenaphthylene	UG/KG	41000		75	U	69	U	72	U
Anthracene	UG/KG	50000	157680000	13	J	69	U	13	J
Benzo[a]anthracene	UG/KG	224	7840	56	J	14	J	68	J
Benzo[a]pyrene	UG/KG	61	784	58	J	19	J	71	J
Benzo[b]fluoranthene	UG/KG	1100	7840	100		21	J	110	
Benzo[ghi]perylene	UG/KG	50000		60	J	30	J	58	J
Benzo[k]fluoranthene	UG/KG	1100	78400	59	J	16	J	72	J
Bis(2-Chloroethoxy)methane	UG/KG			75	U	69	U	72	U
Bis(2-Chloroethyl)ether	UG/KG		5203	75	U	69	U	72	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	75	U	69	U	72	U

Table 7-7
SEAD-121F - Semivolatiles/TPH and Lead in Soil vs. PRG-IND
Non Evalutated EBS Sites

SITE				SEAD-121F Bldg. 135		SEAD-121F Bldg. 135		SEAD-121F Bldg. 135	
DESCRIPTION:				Stained Soil		Stained Soil		Stained Soil	
LOC ID:				SS121F-1		SS121F-2		SS121F-3	
SAMP_ID:				EB273		EB274		EB275	
QC CODE:				SA		SA		SA	
SAMP. DETH TOP:				0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL	
SAMP. DATE:				18-Mar-98		18-Mar-98		18-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	43	JB	13	JB	35	JB
Butylbenzylphthalate	UG/KG	50000	105120000	22	J	69	U	9.9	J
Carbazole	UG/KG		286160	21	J	69	U	15	J
Chrysene	UG/KG	400	784000	82		21	J	94	
Di-n-butylphthalate	UG/KG	8100		8.1	J	4.8	J	4.6	J
Di-n-octylphthalate	UG/KG	50000	10512000	7.5	J	69	U	72	U
Dibenz[a,h]anthracene	UG/KG	14	784	23	J	69	U	18	J
Dibenzofuran	UG/KG	6200	2102400	10	J	69	U	9	J
Diethyl phthalate	UG/KG	7100	420480000	12	J	8.5	J	72	U
Dimethylphthalate	UG/KG	2000	5256000000	75	U	69	U	72	U
Fluoranthene	UG/KG	50000	21024000	130		24	J	140	
Fluorene	UG/KG	50000	21024000	9.2	J	69	U	72	U
Hexachlorobenzene	UG/KG	410	3577	75	U	69	U	72	U
Hexachlorobutadiene	UG/KG		73374	75	U	69	U	72	U
Hexachlorocyclopentadiene	UG/KG		3679200	75	U	69	U	72	U
Hexachloroethane	UG/KG		408800	75	U	69	U	72	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	53	J	17	J	48	J
Isophorone	UG/KG	4400		91		69	U	27	J
N-Nitrosodiphenylamine	UG/KG		1168000	6.2	J	69	U	72	U
N-Nitrosodipropylamine	UG/KG		818	75	U	69	U	72	U
Naphthalene	UG/KG	13000	21024000	10	J	9	J	14	J
Nitrobenzene	UG/KG	200	262800	75	U	69	U	72	U
Pentachlorophenol	UG/KG	1000	47693	180	U	170	U	180	U
Phenanthrene	UG/KG	50000		75		21	J	93	
Phenol	UG/KG	30	315360000	75	U	69	U	72	U
Pyrene	UG/KG	50000	15768000	150		61	J	230	
TPH	MG/KG			395		419		290	
Lead	MG/KG	24.4		31.8		11.1		24.3	

SEAD-121G

Rumored Coal Ash Disposal Area

Table 8-1

Sample Collection Information
SEAD-121G - Rumored Coal Ash Disposal Area

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121G-1	EB214	3/7/98	0.00	0.20	SA	Location is on E. edge of rumored ash disposal area. Location recommended by SEDA personal. Surface soil sample.
SOIL	SB121G-1	EB215	3/7/98	0.58	1.20	SA	Same area as above. Sample interval contained ash.
SOIL	SB121G-2	EB216	3/7/98	0.00	0.20	SA	Location in central area of rumored ash disposal area. Surface soil sample.
SOIL	SB121G-2	EB217	3/7/98	0.75	1.10	SA	Same area as above. Sample interval contained ash.

SA = Sample

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM 4046	PRG-RES
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	10528546
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	94759615
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	93706731
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	2666188
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	105285462
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		8253497
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	3158654
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		21057692
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	2105769
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		2105769
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	1052885
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	5264423
2-Methylnaphthalene	UG/KG	4	1	25.00%	9.6	0	9.6	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	52644231
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	63173
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		152883
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	3158654
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		61087308
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	4211538
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		3158654
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	63173077
Acenaphthene	UG/KG	4	1	25.00%	63	0	63	0	50000	
Acenaphthylene	UG/KG	4	1	25.00%	15	0	15	0	41000	
Anthracene	UG/KG	4	3	75.00%	380	0	124.1666667	0	50000	315885385
Benzo[a]anthracene	UG/KG	4	4	100.00%	1800	1	476	0	224	94231
Benzo[a]pyrene	UG/KG	4	4	100.00%	1500	1	401.25	0	61	9423
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	1400	1	382.75	0	1100	94231
Benzo[ghi]perylene	UG/KG	4	4	100.00%	830	0	227.5	0	50000	
Benzo[k]fluoranthene	UG/KG	4	4	100.00%	1400	1	377.75	0	1100	942308
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		62535
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		982692
Bis(2-Ethylhexyl)phthalate	UG/KG	4	2	50.00%	15	0	13.5	0	50000	4913462
Butylbenzylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	210576923
Carbazole	UG/KG	4	2	50.00%	100	0	53.45	0		3439423
Chrysene	UG/KG	4	4	100.00%	1800	1	434	0	400	9423077
Di-n-butylphthalate	UG/KG	4	2	50.00%	4.5	0	4.25	0	8100	
Di-n-octylphthalate	UG/KG	4	3	75.00%	33	0	16.96666667	0	50000	21057692
Dibenz[a,h]anthracene	UG/KG	4	4	100.00%	430	2	117.75	0	14	9423
Dibenzofuran	UG/KG	4	1	25.00%	32	0	32	0	6200	4211538
Diethyl phthalate	UG/KG	4	4	100.00%	17	0	11.25	0	7100	842307692
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	10528846150
Fluoranthene	UG/KG	4	4	100.00%	3700	0	985.5	0	50000	42115385
Fluorene	UG/KG	4	2	50.00%	82	0	44.2	0	50000	42115385
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	42093
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		210577
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		7370192
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		1052885
Indeno[1,2,3-cd]pyrene	UG/KG	4	4	100.00%	880	0	240	0	3200	94231
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		14038462
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		9827
Naphthalene	UG/KG	4	1	25.00%	12	0	12	0	13000	42115385
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	526442
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	573237
Phenanthrene	UG/KG	4	4	100.00%	1500	0	409.75	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	631730769
Pyrene	UG/KG	4	4	100.00%	3200	0	858	0	50000	31588538
Metals										
Aluminum	MG/KG	4	4	100.00%	11500	0	7973	0	19520	1052885
Antimony	MG/KG	4	2	50.00%	0.9	0	0.81	0	6	421
Arsenic	MG/KG	4	3	75.00%	4.8	0	4.4	0	8.9	46
Barium	MG/KG	4	4	100.00%	82	0	62.2	0	300	73702
Beryllium	MG/KG	4	4	100.00%	0.46	0	0.325	0	1.13	18
Cadmium	MG/KG	4	0	0.00%	0	0	0	0	2.46	526
Calcium	MG/KG	4	4	100.00%	44800	0	19537.75	0	125300	
Chromium	MG/KG	4	4	100.00%	17.5	0	11.9	0	30	1052885
Cobalt	MG/KG	4	4	100.00%	8	0	5.5425	0	30	63173
Copper	MG/KG	4	4	100.00%	21.4	0	16.625	0	33	42115
Cyanide	MG/KG	4	0	0.00%	0	0	0	0	0.35	
Iron	MG/KG	4	4	100.00%	20100	0	12870	0	37410	315885
Lead	MG/KG	4	4	100.00%	45.9	2	24.75	0	24.4	
Magnesium	MG/KG	4	4	100.00%	5810	0	3502.25	0	21700	
Manganese	MG/KG	4	4	100.00%	378	0	281.875	0	1100	24216
Mercury	MG/KG	4	2	50.00%	0.08	0	0.06	0	0.1	316
Nickel	MG/KG	4	4	100.00%	23	0	16.175	0	50	21056
Potassium	MG/KG	4	4	100.00%	1900	0	1164.25	0	2623	
Selenium	MG/KG	4	0	0.00%	0	0	0	0	2	5264
Silver	MG/KG	4	0	0.00%	0	0	0	0	0.8	5264
Sodium	MG/KG	4	0	0.00%	0	0	0	0	188	
Thallium	MG/KG	4	1	25.00%	1.6	1	1.6	0	0.855	84
Vanadium	MG/KG	4	4	100.00%	20.6	0	14.875	0	150	7370
Zinc	MG/KG	4	4	100.00%	79.9	0	52.425	0	115	315885

SEAD-121G - Semivolatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area	
DESCRIPTION:											
LOC ID:				SB121G-1		SB121G-1		SB121G-2		SB121G-2	
SAMP_ID:				EB214		EB215		EB216		EB217	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.58		0		0.75	
SAMP. DEPTH BOT:				0.2		1.2		0.2		1.1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		7-Mar-98		7-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	10528846	76	U	85	U	150	U	80	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	76	U	85	U	150	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	76	U	85	U	150	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	76	U	85	U	150	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	180	U	200	U	360	U	200	U
2,4,6-Trichlorophenol	UG/KG		6253497	76	U	85	U	150	U	80	U
2,4-Dichlorophenol	UG/KG	400	3158654	76	U	85	U	150	U	80	U
2,4-Dimethylphenol	UG/KG		21057692	76	U	85	U	150	U	80	U
2,4-Dinitrophenol	UG/KG	200	2105769	180	U	200	U	360	U	200	U
2,4-Dinitrotoluene	UG/KG		2105769	76	U	85	U	150	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	76	U	85	U	150	U	80	U
2-Chloronaphthalene	UG/KG			76	U	85	U	150	U	80	U
2-Chlorophenol	UG/KG	800	5264423	76	U	85	U	150	U	80	U
2-Methylnaphthalene	UG/KG	36400		76	U	85	U	9.6	J	80	U
2-Methylphenol	UG/KG	100	52644231	76	U	85	U	150	U	80	U
2-Nitroaniline	UG/KG	430	63173	180	U	200	U	360	U	200	U
2-Nitrophenol	UG/KG	330		76	U	85	U	150	U	80	U
3,3`-Dichlorobenzidine	UG/KG		152863	76	U	85	U	150	U	80	U
3-Nitroaniline	UG/KG	500	3158654	180	U	200	U	360	U	200	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	200	U	360	U	200	U
4-Bromophenyl phenyl ether	UG/KG		61067308	76	U	85	U	150	U	80	U
4-Chloro-3-methylphenol	UG/KG	240		76	U	85	U	150	U	80	U
4-Chloroaniline	UG/KG	220	4211538	76	U	85	U	150	U	80	U
4-Chlorophenyl phenyl ether	UG/KG			76	U	85	U	150	U	80	U
4-Methylphenol	UG/KG	900		76	U	85	U	150	U	80	U
4-Nitroaniline	UG/KG		3158654	180	U	200	U	360	U	200	U
4-Nitrophenol	UG/KG	100	63173077	180	U	200	U	360	U	200	U
Acenaphthene	UG/KG	50000		76	U	85	U	63	J	80	U
Acenaphthylene	UG/KG	41000		76	U	85	U	15	J	80	U
Anthracene	UG/KG	50000	315865385	7.7	J	4.8	J	360		80	U
Benzo[a]anthracene	UG/KG	224	94231	54	J	24	J	[redacted]	E	26	J
Benzo[a]pyrene	UG/KG	61	9423	54	J	25	J	[redacted]	E	26	J
Benzo[b]fluoranthene	UG/KG	1100	94231	69	J	25	J	[redacted]	E	37	J
Benzo[ghi]perylene	UG/KG	50000		39	J	19	J	830		22	J
Benzo[k]fluoranthene	UG/KG	1100	942308	57	J	25	J	[redacted]	E	29	J
Bis(2-Chloroethoxy)methane	UG/KG			76	U	85	U	150	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		62535	76	U	85	U	150	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	76	U	85	U	150	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	76	U	12	JB	150	U	15	JB
Butylbenzylphthalate	UG/KG	50000	210576923	76	U	85	U	150	U	80	U

SEAD-121G - Semivolatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Carbazole	UG/KG		3439423	6.9	J	85	U	100	J	80	U
Chrysene	UG/KG	400	9423077	74	J	28	J	[redacted]	E	34	J
Di-n-butylphthalate	UG/KG	8100		4	J	85	U	150	U	4.5	J
Di-n-octylphthalate	UG/KG	50000	21057692	4.9	J	13	J	150	U	33	J
Dibenz[a,h]anthracene	UG/KG	14	9423	17	J	12	J	[redacted]		12	J
Dibenzofuran	UG/KG	6200	4211538	76	U	85	U	32	J	80	U
Diethyl phthalate	UG/KG	7100	842307692	11	J	17	J	9.3	J	7.7	J
Dimethylphthalate	UG/KG	2000	10528846150	76	U	85	U	150	U	80	U
Fluoranthene	UG/KG	50000	42115385	140		50	J	3700	E	52	J
Fluorene	UG/KG	50000	42115385	6.4	J	85	U	82	J	80	U
Hexachlorobenzene	UG/KG	410	42993	76	U	85	U	150	U	80	U
Hexachlorobutadiene	UG/KG		210577	76	U	85	U	150	U	80	U
Hexachlorocyclopentadiene	UG/KG		7370192	76	U	85	U	150	U	80	U
Hexachloroethane	UG/KG		1052885	76	U	85	U	150	U	80	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	42	J	18	J	880		20	J
Isophorone	UG/KG	4400		76	U	85	U	150	U	80	U
N-Nitrosodiphenylamine	UG/KG		14038462	76	U	85	U	150	U	80	U
N-Nitrosodipropylamine	UG/KG		9827	76	U	85	U	150	U	80	U
Naphthalene	UG/KG	13000	42115385	76	U	85	U	12	J	80	U
Nitrobenzene	UG/KG	200	526442	76	U	85	U	150	U	80	U
Pentachlorophenol	UG/KG	1000	573237	180	U	200	U	360	U	200	U
Phenanthrene	UG/KG	50000		83		25	J	1500	E	31	J
Phenol	UG/KG	30	631730769	76	U	85	U	150	U	80	U
Pyrene	UG/KG	50000	31586538	120		51	J	3200	E	61	J

able 8-4
SEAD-121G - Metals in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area	
DESCRIPTION:											
LOC ID:				SB121G-1		SB121G-1		SB121G-2		SB121G-2	
SAMP_ID:				EB214		EB215		EB216		EB217	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.58		0		0.75	
SAMP. DEPTH BOT:				0.2		1.2		0.2		1.1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		7-Mar-98		7-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals											
Aluminum	MG/KG	19520	1052885	10900		832		11500		8660	
Antimony	MG/KG	6	421	0.8	UN	0.87	UN	0.72	BN	0.9	BN
Arsenic	MG/KG	8.9	46	4.1		0.9	U	4.3		4.8	
Barium	MG/KG	300	73702	81.4		17	B	82		58.4	
Beryllium	MG/KG	1.13	16	0.42	B	0.08	B	0.46	B	0.34	B
Cadmium	MG/KG	2.46	526	0.07	U*	0.07	U*	0.06	U*	0.07	U*
Calcium	MG/KG	125300		44800		801	B	23600		8950	
Chromium	MG/KG	30	1052885	15.9	*	1.1	B*	17.8	*	12.8	*
Cobalt	MG/KG	30	63173	7.3	B	0.87	B	8	B	6	B
Copper	MG/KG	33	42115	19.3	*	6.6	*	21.4	*	19.2	*
Cyanide	MG/KG	0.35		0.63	U	0.66	U	0.67	U	0.64	U
Iron	MG/KG	37410	315865	17100		780		20100		13500	
Lead	MG/KG	24.4		[redacted]		1.4		[redacted]		20.9	
Magnesium	MG/KG	21700		4880	*	109	B*	5810	*	3210	*
Manganese	MG/KG	1100	24216	354		31.5		378		284	
Mercury	MG/KG	0.1	316	0.06	B	0.05	U	0.06	B	0.05	U
Nickel	MG/KG	50	21058	20.5	E*	2.5	BE*	23	E*	18.7	E*
Potassium	MG/KG	2623		1900		157	B	1470		1130	B
Selenium	MG/KG	2	5264	1.1	UN	1.2	UN	0.92	UN	1.1	UN
Silver	MG/KG	0.8	5264	0.48	U	0.52	U	0.41	U	0.5	U
Sodium	MG/KG	188		139	U	152	U	119	U	144	U
Thallium	MG/KG	0.855	84	1.4	U	1.6	U	1.2	U	[redacted]	B
Vanadium	MG/KG	150	7370	19.5	E	3.2	BE	20.6	E	16.2	E
Zinc	MG/KG	115	315865	74.2		5.4		79.9		50.2	

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM 4046	PRG-RES
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	10528646
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	94759615
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	93708731
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	2866186
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	105288462
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		6253497
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	3158654
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		21057692
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	2105769
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		2105769
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	1052885
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	5264423
2-Methylnaphthalene	UG/KG	4	1	25.00%	9.6	0	9.6	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	52644231
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	63173
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		152863
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	3158654
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		61087308
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	4211538
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		3158654
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	63173077
Acenaphthene	UG/KG	4	1	25.00%	63	0	63	0	50000	
Acenaphthylene	UG/KG	4	1	25.00%	15	0	15	0	41000	
Anthracene	UG/KG	4	3	75.00%	360	0	124.1666667	0	50000	315865385
Benzo[a]anthracene	UG/KG	4	4	100.00%	1800	0	476	0	224	84231
Benzo[a]pyrene	UG/KG	4	4	100.00%	1500	0	401.25	0	61	8423
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	1400	0	382.75	0	1100	84231
Benzo[ghi]perylene	UG/KG	4	4	100.00%	830	0	227.5	0	50000	
Benzo[k]fluoranthene	UG/KG	4	4	100.00%	1400	0	377.75	0	1100	842308
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		82535
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		982692
Bis(2-Ethylhexyl)phthalate	UG/KG	4	2	50.00%	15	0	13.5	0	50000	4913462
Butylbenzylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	210576923
Carbazole	UG/KG	4	2	50.00%	100	0	53.45	0		3439423
Chrysene	UG/KG	4	4	100.00%	1600	0	434	0	400	8423077
Di-n-butylphthalate	UG/KG	4	2	50.00%	4.5	0	4.25	0	8100	
Di-n-octylphthalate	UG/KG	4	3	75.00%	33	0	16.96666667	0	50000	21057692
Dibenz[a,h]anthracene	UG/KG	4	4	100.00%	430	0	117.75	0	14	8423
Dibenzofuran	UG/KG	4	1	25.00%	32	0	32	0	6200	4211538
Diethyl phthalate	UG/KG	4	4	100.00%	17	0	11.25	0	7100	842307692
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	10528846150
Fluoranthene	UG/KG	4	4	100.00%	3700	0	985.5	0	50000	42115385
Fluorene	UG/KG	4	2	50.00%	82	0	44.2	0	50000	42115385
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	42993
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		210577
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		7370192
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		1052885
Indeno[1,2,3-cd]pyrene	UG/KG	4	4	100.00%	880	0	240	0	3200	84231
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		14038462
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		9827
Naphthalene	UG/KG	4	1	25.00%	12	0	12	0	13000	42115385
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	526442
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	573237
Phenanthrene	UG/KG	4	4	100.00%	1500	0	409.75	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	631730769
Pyrene	UG/KG	4	4	100.00%	3200	0	858	0	50000	31586538
Metals										
Aluminum	MG/KG	4	4	100.00%	11500	0	8.434	0	19520	1052885
Antimony	MG/KG	4	2	50.00%	0.9	0	0.81	0	6	421
Arsenic	MG/KG	4	3	75.00%	4.8	0	4.4	0	8.9	48
Barium	MG/KG	4	4	100.00%	82	0	52.2	0	300	73702
Beryllium	MG/KG	4	4	100.00%	0.46	0	0.325	0	1.13	16
Cadmium	MG/KG	4	0	0.00%	0	0	0	0	2.46	526
Calcium	MG/KG	4	4	100.00%	44800	0	0	0	125300	
Chromium	MG/KG	4	4	100.00%	17.8	0	11.9	0	30	1052885
Cobalt	MG/KG	4	4	100.00%	8	0	5.5425	0	30	63173
Copper	MG/KG	4	4	100.00%	21.4	0	16.625	0	33	42115
Cyanide	MG/KG	4	0	0.00%	0	0	0	0	0.35	
Iron	MG/KG	4	4	100.00%	20100	0	0	0	37410	315865
Lead	MG/KG	4	4	100.00%	45.9	0	24.75	0	24.4	
Magnesium	MG/KG	4	4	100.00%	5810	0	0	0	21700	
Manganese	MG/KG	4	4	100.00%	378	0	261.875	0	1100	24218
Mercury	MG/KG	4	2	50.00%	0.06	0	0.06	0	0.1	316
Nickel	MG/KG	4	4	100.00%	23	0	16.175	0	50	21058
Potassium	MG/KG	4	4	100.00%	1900	0	0	0	2623	
Selenium	MG/KG	4	0	0.00%	0	0	0	0	2	5264
Silver	MG/KG	4	0	0.00%	0	0	0	0	0.8	5264
Sodium	MG/KG	4	0	0.00%	0	0	0	0	188	
Thallium	MG/KG	4	1	25.00%	1.6	0	1.6	0	0.855	84
Vanadium	MG/KG	4	4	100.00%	20.6	0	14.875	0	150	7370
Zinc	MG/KG	4	4	100.00%	79.9	0	52.425	0	115	315865

Table 8-6
SEAD-121G - Semivolatiles in Soil vs. PRG_RES
Non Evaluated EBS Sites

SITE:				SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area	
DESCRIPTION:											
LOC ID:				SB121G-1		SB121G-1		SB121G-2		SB121G-2	
SAMP_ID:				EB214		EB215		EB216		EB217	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.58		0		0.75	
SAMP. DEPTH BOT:				0.2		1.2		0.2		1.1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		7-Mar-98		7-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	10526846	76	U	85	U	150	U	80	U
1,2-Dichlorobenzene	UG/KG	7900	94759615	76	U	85	U	150	U	80	U
1,3-Dichlorobenzene	UG/KG	1600	93706731	76	U	85	U	150	U	80	U
1,4-Dichlorobenzene	UG/KG	8500	2866186	76	U	85	U	150	U	80	U
2,4,5-Trichlorophenol	UG/KG	100	105288462	180	U	200	U	360	U	200	U
2,4,6-Trichlorophenol	UG/KG		6253497	76	U	85	U	150	U	80	U
2,4-Dichlorophenol	UG/KG	400	3158654	76	U	85	U	150	U	80	U
2,4-Dimethylphenol	UG/KG		21057692	76	U	85	U	150	U	80	U
2,4-Dinitrophenol	UG/KG	200	2105769	180	U	200	U	360	U	200	U
2,4-Dinitrotoluene	UG/KG		2105769	76	U	85	U	150	U	80	U
2,6-Dinitrotoluene	UG/KG	1000	1052885	76	U	85	U	150	U	80	U
2-Chloronaphthalene	UG/KG			76	U	85	U	150	U	80	U
2-Chlorophenol	UG/KG	800	5264423	76	U	85	U	150	U	80	U
2-Methylnaphthalene	UG/KG	36400		76	U	85	U	9.6	J	80	U
2-Methylphenol	UG/KG	100	52644231	76	U	85	U	150	U	80	U
2-Nitroaniline	UG/KG	430	63173	180	U	200	U	360	U	200	U
2-Nitrophenol	UG/KG	330		76	U	85	U	150	U	80	U
3,3'-Dichlorobenzidine	UG/KG		152863	76	U	85	U	150	U	80	U
3-Nitroaniline	UG/KG	500	3158654	180	U	200	U	360	U	200	U
4,6-Dinitro-2-methylphenol	UG/KG			180	U	200	U	360	U	200	U
4-Bromophenyl phenyl ether	UG/KG		61067308	76	U	85	U	150	U	80	U
4-Chloro-3-methylphenol	UG/KG	240		76	U	85	U	150	U	80	U
4-Chloroaniline	UG/KG	220	4211538	76	U	85	U	150	U	80	U
4-Chlorophenyl phenyl ether	UG/KG			76	U	85	U	150	U	80	U
4-Methylphenol	UG/KG	900		76	U	85	U	150	U	80	U
4-Nitroaniline	UG/KG		3158654	180	U	200	U	360	U	200	U
4-Nitrophenol	UG/KG	100	63173077	180	U	200	U	360	U	200	U
Acenaphthene	UG/KG	50000		76	U	85	U	63	J	80	U
Acenaphthylene	UG/KG	41000		76	U	85	U	15	J	80	U
Anthracene	UG/KG	50000	315865385	7.7	J	4.8	J	360		80	U
Benzo[a]anthracene	UG/KG	224	94231	54	J	24	J	1800	E	26	J
Benzo[a]pyrene	UG/KG	61	9423	54	J	25	J	1500	E	26	J
Benzo[b]fluoranthene	UG/KG	1100	94231	69	J	25	J	1400	E	37	J
Benzo[ghi]perylene	UG/KG	50000		39	J	19	J	830		22	J
Benzo[k]fluoranthene	UG/KG	1100	942308	57	J	25	J	1400	E	29	J
Bis(2-Chloroethoxy)methane	UG/KG			76	U	85	U	150	U	80	U
Bis(2-Chloroethyl)ether	UG/KG		62535	76	U	85	U	150	U	80	U
Bis(2-Chloroisopropyl)ether	UG/KG		982692	76	U	85	U	150	U	80	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	4913462	76	U	12	JB	150	U	15	JB
Butylbenzylphthalate	UG/KG	50000	210576923	76	U	85	U	150	U	80	U

SEAD-121G - Semivolatiles in Soil vs. PRG_RES
Non Evaluated EBS Sites

SITE:				SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area	
DESCRIPTION:											
LOC ID:				SB121G-1		SB121G-1		SB121G-2		SB121G-2	
SAMP_ID:				EB214		EB215		EB216		EB217	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.58		0		0.75	
SAMP. DEPTH BOT:				0.2		1.2		0.2		1.1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		7-Mar-98		7-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Carbazole	UG/KG		3439423	6.9	J	85	U	100	J	80	U
Chrysene	UG/KG	400	9423077	74	J	28	J	1600	E	34	J
Di-n-butylphthalate	UG/KG	8100		4	J	85	U	150	U	4.5	J
Di-n-octylphthalate	UG/KG	50000	21057692	4.9	J	13	J	150	U	33	J
Dibenz[a,h]anthracene	UG/KG	14	9423	17	J	12	J	430		12	J
Dibenzofuran	UG/KG	6200	4211538	76	U	85	U	32	J	80	U
Diethyl phthalate	UG/KG	7100	842307692	11	J	17	J	9.3	J	7.7	J
Dimethylphthalate	UG/KG	2000	10528846150	76	U	85	U	150	U	80	U
Fluoranthene	UG/KG	50000	42115385	140		50	J	3700	E	52	J
Fluorene	UG/KG	50000	42115385	6.4	J	85	U	82	J	80	U
Hexachlorobenzene	UG/KG	410	42993	76	U	85	U	150	U	80	U
Hexachlorobutadiene	UG/KG		210577	76	U	85	U	150	U	80	U
Hexachlorocyclopentadiene	UG/KG		7370192	76	U	85	U	150	U	80	U
Hexachloroethane	UG/KG		1052885	76	U	85	U	150	U	80	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	94231	42	J	18	J	880		20	J
Isophorone	UG/KG	4400		76	U	85	U	150	U	80	U
N-Nitrosodiphenylamine	UG/KG		14038462	76	U	85	U	150	U	80	U
N-Nitrosodipropylamine	UG/KG		9827	76	U	85	U	150	U	80	U
Naphthalene	UG/KG	13000	42115385	76	U	85	U	12	J	80	U
Nitrobenzene	UG/KG	200	525442	76	U	85	U	150	U	80	U
Pentachlorophenol	UG/KG	1000	573237	180	U	200	U	360	U	200	U
Phenanthrene	UG/KG	50000		83		25	J	1500	E	31	J
Phenol	UG/KG	30	631730769	76	U	85	U	150	U	80	U
Pyrene	UG/KG	50000	31586538	120		51	J	3200	E	61	J

Table 8-7
SEAD-121G - Metals in Soil vs. PRG_RES
Non Evaluated EBS Sites

SITE:				SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area		SEAD-121G Rumored Coal Ash Disposal Area	
DESCRIPTION:											
LOC ID:				SB121G-1		SB121G-1		SB121G-2		SB121G-2	
SAMP_ID:				EB214		EB215		EB216		EB217	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0.58		0		0.75	
SAMP. DEPTH BOT:				0.2		1.2		0.2		1.1	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				7-Mar-98		7-Mar-98		7-Mar-98		7-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM 4046	PRG-RES	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals											
Aluminum	MG/KG	19520	1052885	10900		832		11500		8660	
Antimony	MG/KG	6	421	0.8	UN	0.87	UN	0.72	BN	0.9	BN
Arsenic	MG/KG	8.9	46	4.1		0.9	U	4.3		4.8	
Barium	MG/KG	300	73702	81.4		17	B	82		58.4	
Beryllium	MG/KG	1.13	16	0.42	B	0.09	B	0.46	B	0.34	B
Cadmium	MG/KG	2.46	526	0.07	U*	0.07	U*	0.06	U*	0.07	U*
Calcium	MG/KG	125300		44800		801	B	23600		8950	
Chromium	MG/KG	30	1052885	15.9	*	1.1	B*	17.8	*	12.8	*
Cobalt	MG/KG	30	63173	7.3	B	0.87	B	8	B	6	B
Copper	MG/KG	33	42115	19.3	*	6.6	*	21.4	*	19.2	*
Cyanide	MG/KG	0.35		0.63	U	0.66	U	0.67	U	0.64	U
Iron	MG/KG	37410	315865	17100		780		20100		13500	
Lead	MG/KG	24.4		30.8		1.4		45.9		20.9	
Magnesium	MG/KG	21700		4880	*	109	B*	5810	*	3210	*
Manganese	MG/KG	1100	24216	354		31.5		378		284	
Mercury	MG/KG	0.1	316	0.06	B	0.05	U	0.06	B	0.05	U
Nickel	MG/KG	50	21058	20.5	E*	2.5	BE*	23	E*	18.7	E*
Potassium	MG/KG	2623		1900		157	B	1470		1130	B
Selenium	MG/KG	2	5264	1.1	UN	1.2	UN	0.92	UN	1.1	UN
Silver	MG/KG	0.8	5264	0.48	U	0.52	U	0.41	U	0.5	U
Sodium	MG/KG	188		139	U	152	U	119	U	144	U
Thallium	MG/KG	0.855	84	1.4	U	1.6	U	1.2	U	1.6	B
Vanadium	MG/KG	150	7370	19.5	E	3.2	BE	20.6	E	16.2	E
Zinc	MG/KG	115	315865	74.2		5.4		79.9		50.2	

SEAD-121H

Rumored Coal Disposal Area

Table 9-1

Sample Collection Information
SEAD-121H - Rumored Coal Disposal Area

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SOIL	SB121H-1	EB254	3/16/98	0.00	0.90	SA	Rumored location verified by SEDA personal. The site has been covered by a roadsalt storage dome. Boring was done on the NE perimeter of the dome. Sample interval included coal .
SOIL	SB121H-1	EB255	3/16/98	6.90	7.50	SA	Same location as above. Sample taken at only other boring interval to contain coal.
SOIL	SB121H-2	EB252	3/16/98	0.00	0.30	SA	Rumored location verified by SEDA personal. The site has been covered by a roadsalt storage dome. Boring was done on the South perimeter of the dome. Surface soil sample.
SOIL	SB121H-2	EB253	3/16/98	7.30	7.70	SA	Same location as above. Sample taken at just above bedrock, (near water table). No detected VOC's or impact to soils.

Notes:
SA = Sample

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Value	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	48778400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	238457
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	4	2	50.00%	20	0	18	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	0	0.00%	0	0	0	0	50000	
Acenaphthylene	UG/KG	4	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	4	0	0.00%	0	0	0	0	50000	157680000
Benzo[a]anthracene	UG/KG	4	4	100.00%	12	0	8.3	0	224	7840
Benzo[a]pyrene	UG/KG	4	3	75.00%	10	0	8.866666667	0	61	784
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	15	0	11.55	0	1100	7840
Benzo[ghi]perylene	UG/KG	4	4	100.00%	13	0	8.85	0	50000	
Benzo[k]fluoranthene	UG/KG	4	3	75.00%	16	0	11.53333333	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	4	100.00%	8.4	0	6.975	0	50000	408800
Butylbenzylphthalate	UG/KG	4	1	25.00%	4.4	0	4.4	0	50000	105120000
Carbazole	UG/KG	4	0	0.00%	0	0	0	0		286150
Chrysene	UG/KG	4	4	100.00%	18	0	12.3	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	3.5	0	3.5	0	8100	
Di-n-octylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	2	50.00%	7.6	0	7	0	14	784
Dibenzofuran	UG/KG	4	2	50.00%	7.8	0	6.35	0	6200	2102400
Diethyl phthalate	UG/KG	4	4	100.00%	13	0	9.95	0	7100	420480000
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	33	0	20.25	0	50000	21024000
Fluorene	UG/KG	4	0	0.00%	0	0	0	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	4	3	75.00%	13	0	9.8	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		1180000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	2	50.00%	12	0	10.45	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	262500
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	34	0	17.275	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	22	0	14.125	0	50000	15768000
Metals										
Aluminum	MG/KG	4	4	100.00%	12400	0	6007.5	0	19520	525600
Antimony	MG/KG	4	0	0.00%	0	0	0	0	6	210.24
Arsenic	MG/KG	4	4	100.00%	4.5	0	3.825	0	8.9	3.815466667
Barium	MG/KG	4	4	100.00%	83.1	0	44.475	0	300	36792
Beryllium	MG/KG	4	4	100.00%	0.48	0	0.25	0	1.13	1.330976744
Cadmium	MG/KG	4	0	0.00%	0	0	0	0	2.46	262.8
Calcium	MG/KG	4	4	100.00%	246000	2	148100	0	125300	
Chromium	MG/KG	4	4	100.00%	19.3	0	10.35	0	30	525600
Cobalt	MG/KG	4	4	100.00%	10.5	0	6.95	0	30	31536
Copper	MG/KG	4	4	100.00%	20.2	0	14.4	0	33	21024
Cyanide	MG/KG	4	0	0.00%	0	0	0	0	0.35	
Iron	MG/KG	4	4	100.00%	23600	0	12797.5	0	37410	157680
Lead	MG/KG	4	4	100.00%	12.6	0	8.7	0	24.4	
Magnesium	MG/KG	4	4	100.00%	15400	0	12155	0	21700	
Manganese	MG/KG	4	4	100.00%	495	0	365.25	0	1100	12088.8
Mercury	MG/KG	4	0	0.00%	0	0	0	0	0.1	157.68
Nickel	MG/KG	4	4	100.00%	27.7	0	18.075	0	50	10512
Potassium	MG/KG	4	4	100.00%	1370	0	1100.25	0	2823	
Selenium	MG/KG	4	1	25.00%	1.1	0	1.1	0	2	2628
Silver	MG/KG	4	0	0.00%	0	0	0	0	0.8	2628

Seneca Army Depot Activity
Table 9-2
SEAD-121H - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Value	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Sodium	MG/KG	4	4	100.00%	611	4	412.75	0	168	
Thallium	MG/KG	4	0	0.00%	0	0	0	0	0.855	42.048
Vanadium	MG/KG	4	4	100.00%	21.3	0	11.6	0	150	3679.2
Zinc	MG/KG	4	4	100.00%	67.1	0	42.825	0	115	157680

Seneca [illegible] Depot Activity
Table 9-3
SEAD-121H - Semivolatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121H		SEAD-121H		SEAD-121H		SEAD-121H	
DESCRIPTION:				Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area	
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	72	U	69	U	72	U	79	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	72	U	69	U	72	U	79	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	72	U	69	U	72	U	79	U
1,4-Dichlorobenzene	UG/KG	8500	238467	72	U	69	U	72	U	79	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	170	U	170	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		520291	72	U	69	U	72	U	79	U
2,4-Dichlorophenol	UG/KG	400	1576800	72	U	69	U	72	U	79	U
2,4-Dimethylphenol	UG/KG		10512000	72	U	69	U	72	U	79	U
2,4-Dinitrophenol	UG/KG	200	1051200	170	U	170	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		1051200	72	U	69	U	72	U	79	U
2,6-Dinitrotoluene	UG/KG	1000	525600	72	U	69	U	72	U	79	U
2-Chloronaphthalene	UG/KG			72	U	69	U	72	U	79	U
2-Chlorophenol	UG/KG	800	2628000	72	U	69	U	72	U	79	U
2-Methylnaphthalene	UG/KG	36400		72	U	20	J	16	J	79	U
2-Methylphenol	UG/KG	100	26280000	72	U	69	U	72	U	79	U
2-Nitroaniline	UG/KG	430	31536	170	U	170	U	180	U	190	U
2-Nitrophenol	UG/KG	330		72	U	69	U	72	U	79	U
3,3'-Dichlorobenzidine	UG/KG		12718	72	U	69	U	72	U	79	U
3-Nitroaniline	UG/KG	500	1576800	170	U	170	U	180	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			170	U	170	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		30484800	72	U	69	U	72	U	79	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	69	U	72	U	79	U
4-Chloroaniline	UG/KG	220	2102400	72	U	69	U	72	U	79	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	69	U	72	U	79	U
4-Methylphenol	UG/KG	900		72	U	69	U	72	U	79	U
4-Nitroaniline	UG/KG		1576800	170	U	170	U	180	U	190	U
4-Nitrophenol	UG/KG	100	31536000	170	U	170	U	180	U	190	U
Acenaphthene	UG/KG	50000		72	U	69	U	72	U	79	U
Acenaphthylene	UG/KG	41000		72	U	69	U	72	U	79	U
Anthracene	UG/KG	50000	157680000	72	U	69	U	72	U	79	U
Benzo(a)anthracene	UG/KG	224	7840	7.2	J	12	J	4.2	J	9.8	J
Benzo(a)pyrene	UG/KG	61	784	10	J	8.6	J	72	U	8	J
Benzo(b)fluoranthene	UG/KG	1100	7840	15	J	15	J	7.2	JY	9	J
Benzo(ghi)perylene	UG/KG	50000		13	J	9.4	J	4.7	J	8.3	J
Benzo(k)fluoranthene	UG/KG	1100	78400	16	J	10	J	72	U	8.6	J
Bis(2-Chloroethoxy)methane	UG/KG			72	U	69	U	72	U	79	U
Bis(2-Chloroethyl)ether	UG/KG		5203	72	U	69	U	72	U	79	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	72	U	69	U	72	U	79	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	5.2	JB	8.4	JB	7.4	JB	6.9	JB
Butylbenzylphthalate	UG/KG	50000	105120000	72	U	4.4	J	72	U	79	U
Carbazole	UG/KG		286160	72	U	69	U	72	U	79	U

Seneca Army Depot Activity
Table 9-3
SEAD-121H - Semivolatiles in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE				SEAD-121H Rumored Coal Disposal Area		SEAD-121H Rumored Coal Disposal Area		SEAD-121H Rumored Coal Disposal Area		SEAD-121H Rumored Coal Disposal Area	
DESCRIPTION:											
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Chrysene	UG/KG	400	784000	12	J	18	J	7.2	J	12	J
Di-n-butylphthalate	UG/KG	8100		72	U	3.5	J	72	U	79	U
Di-n-octylphthalate	UG/KG	50000	10512000	72	U	69	U	72	U	79	U
Dibenz[a,h]anthracene	UG/KG	14	784	7.6	J	6.4	J	72	U	79	U
Dibenzofuran	UG/KG	6200	2102400	72	U	7.8	J	4.9	J	79	U
Diethyl phthalate	UG/KG	7100	420480000	5.4	JB	13	JB	9.4	JB	12	JB
Dimethylphthalate	UG/KG	2000	5256000000	72	U	69	U	72	U	79	U
Fluoranthene	UG/KG	50000	21024000	15	J	33	J	10	J	23	J
Fluorene	UG/KG	50000	21024000	72	U	69	U	72	U	79	U
Hexachlorobenzene	UG/KG	410	3577	72	U	69	U	72	U	79	U
Hexachlorobutadiene	UG/KG		73374	72	U	69	U	72	U	79	U
Hexachlorocyclopentadiene	UG/KG		3679200	72	U	69	U	72	U	79	U
Hexachloroethane	UG/KG		408800	72	U	69	U	72	U	79	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	13	J	8.1	J	72	U	8.3	J
Isophorone	UG/KG	4400		72	U	69	U	72	U	79	U
N-Nitrosodiphenylamine	UG/KG		1168000	72	U	69	U	72	U	79	U
N-Nitrosodipropylamine	UG/KG		818	72	U	69	U	72	U	79	U
Naphthalene	UG/KG	13000	21024000	72	U	12	J	8.9	J	79	U
Nitrobenzene	UG/KG	200	262800	72	U	69	U	72	U	79	U
Pentachlorophenol	UG/KG	1000	47693	170	U	170	U	180	U	190	U
Phenanthrene	UG/KG	50000		7.1	J	34	J	15	J	13	J
Phenol	UG/KG	30	315360000	72	U	69	U	72	U	79	U
Pyrene	UG/KG	50000	15768000	10	J	22	J	7.5	J	17	J

Seneca . Depot Activity

Table 9-4

SEAD-121H - Metals in Soil vs. NYTAGM

Non Evaluated EBS Sites

SITE				SEAD-121H Rumored Coal		SEAD-121H Rumored Coal		SEAD-121H Rumored Coal		SEAD-121H Rumored Coal	
DESCRIPTION:				Disposal Area		Disposal Area		Disposal Area		Disposal Area	
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals											
Aluminum	MG/KG	19520	525600	3610		1570		6570		12400	
Antimony	MG/KG	6	210.24	1.1	U	0.99	U	1	U	1.2	U
Arsenic	MG/KG	8.9	3.815466667	4.3		3.1		3.4		4.5	
Barium	MG/KG	300	36792	23.5	B	17.7	B	53.6		83.1	
Beryllium	MG/KG	1.13	1.330976744	0.17	B	0.11	B	0.24	B	0.48	B
Cadmium	MG/KG	2.46	262.8	0.06	U	0.06	U	0.06	U	0.07	U
Calcium	MG/KG	125300		[redacted]	E	[redacted]	E	102000	E	17400	E
Chromium	MG/KG	30	525600	6.9		3.7		11.5		19.3	
Cobalt	MG/KG	30	31536	5.7	B	4.7	B	6.9	B	10.5	B
Copper	MG/KG	33	21024	13.8		6.7		14.9		20.2	
Cyanide	MG/KG	0.35		0.55	U	0.55	U	0.58	U	0.65	U
Iron	MG/KG	37410	157680	8390		4400		14800		23600	
Lead	MG/KG	24.4		9.7		4.9		7.6		12.6	
Magnesium	MG/KG	21700		13500		13900		15400		5820	
Manganese	MG/KG	1100	12088.8	308		337		321		495	
Mercury	MG/KG	0.1	157.68	0.04	U	0.04	U	0.06	U	0.05	U
Nickel	MG/KG	50	10512	14.1		10		20.5		27.7	
Potassium	MG/KG	2623		1090		881	B	1060		1370	
Selenium	MG/KG	2	2628	0.93	U	0.87	U	0.9	U	1.1	B
Silver	MG/KG	0.8	2628	0.27	U	0.25	U	0.26	U	0.3	U
Sodium	MG/KG	188		[redacted]	B	[redacted]	B	[redacted]	B	[redacted]	B
Thallium	MG/KG	0.855	42.048	1.4	U	1.3	U	1.3	U	1.5	U
Vanadium	MG/KG	150	3679.2	8.3	B	5.4	B	11.4		21.3	
Zinc	MG/KG	115	157680	33.1		23.5		47.6		67.1	

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedance	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	4	2	50.00%	20	0	18	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	0	0.00%	0	0	0	0	50000	
Acenaphthylene	UG/KG	4	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	4	0	0.00%	0	0	0	0	50000	157680000
Benzo[a]anthracene	UG/KG	4	4	100.00%	12	0	8.3	0	224	7840
Benzo[a]pyrene	UG/KG	4	3	75.00%	10	0	8.666666667	0	61	784
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	15	0	11.55	0	1100	7840
Benzo[ghi]perylene	UG/KG	4	4	100.00%	13	0	8.85	0	50000	
Benzo[k]fluoranthene	UG/KG	4	3	75.00%	16	0	11.53333333	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	4	100.00%	8.4	0	6.975	0	50000	408800
Butylbenzylphthalate	UG/KG	4	1	25.00%	4.4	0	4.4	0	50000	105120000
Carbazole	UG/KG	4	0	0.00%	0	0	0	0		286160
Chrysene	UG/KG	4	4	100.00%	18	0	12.3	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	3.5	0	3.5	0	8100	
Di-n-octylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	2	50.00%	7.6	0	7	0	14	784
Dibenzofuran	UG/KG	4	2	50.00%	7.8	0	6.35	0	6200	2102400
Diethyl phthalate	UG/KG	4	4	100.00%	13	0	9.95	0	7100	420480000
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	33	0	20.25	0	50000	21024000
Fluorene	UG/KG	4	0	0.00%	0	0	0	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	4	3	75.00%	13	0	9.8	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		1168000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	2	50.00%	12	0	10.45	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	34	0	17.275	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	22	0	14.125	0	50000	15768000
Metals										
Aluminum	MG/KG	4	4	100.00%	12400	0	6037.5	0	19520	525600
Antimony	MG/KG	4	0	0.00%	0	0	0	0	6	210
Arsenic	MG/KG	4	4	100.00%	4.5	2	3.825	0	8.9	4
Barium	MG/KG	4	4	100.00%	83.1	0	44.475	0	300	36792
Beryllium	MG/KG	4	4	100.00%	0.48	0	0.25	0	1.13	1
Cadmium	MG/KG	4	0	0.00%	0	0	0	0	2.46	263
Calcium	MG/KG	4	4	100.00%	246000	0	146100	0	125300	
Chromium	MG/KG	4	4	100.00%	19.3	0	10.35	0	30	525600
Cobalt	MG/KG	4	4	100.00%	10.5	0	6.95	0	30	31536
Copper	MG/KG	4	4	100.00%	20.2	0	14.4	0	33	21024
Cyanide	MG/KG	4	0	0.00%	0	0	0	0	0.35	
Iron	MG/KG	4	4	100.00%	23600	0	12797.5	0	37410	157680
Lead	MG/KG	4	4	100.00%	12.6	0	8.7	0	24.4	

Seneca Army Depot Activity
Table 9-5
SEAD-121H - Data Summary
Comparison to PRG-IND

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedance	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Magnesium	MG/KG	4	4	100.00%	15400	0	12155	0	21700	
Manganese	MG/KG	4	4	100.00%	495	0	365.25	0	1100	12089
Mercury	MG/KG	4	0	0.00%	0	0	0	0	0.1	156
Nickel	MG/KG	4	4	100.00%	27.7	0	18.075	0	50	10512
Potassium	MG/KG	4	4	100.00%	1370	0	1100.25	0	2623	
Selenium	MG/KG	4	1	25.00%	1.1	0	1.1	0	2	2628
Silver	MG/KG	4	0	0.00%	0	0	0	0	0.8	2628
Sodium	MG/KG	4	4	100.00%	611	0	412.75	0	188	
Thallium	MG/KG	4	0	0.00%	0	0	0	0	0.855	42
Vanadium	MG/KG	4	4	100.00%	21.3	0	11.6	0	150	3679
Zinc	MG/KG	4	4	100.00%	67.1	0	42.825	0	115	157680

Seneca Army Depot Activity
Table 9-6
SEAD-121H - Semivolatiles in Soil vs. PRG-IND
Non Evaluated EBS Sites

SITE				SEAD-121H		SEAD-121H		SEAD-121H		SEAD-121H	
DESCRIPTION:				Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area	
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	72	U	69	U	72	U	79	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	72	U	69	U	72	U	79	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	72	U	69	U	72	U	79	U
1,4-Dichlorobenzene	UG/KG	8500	238467	72	U	69	U	72	U	79	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	170	U	170	U	180	U	190	U
2,4,6-Trichlorophenol	UG/KG		520291	72	U	69	U	72	U	79	U
2,4-Dichlorophenol	UG/KG	400	1576800	72	U	69	U	72	U	79	U
2,4-Dimethylphenol	UG/KG		10512000	72	U	69	U	72	U	79	U
2,4-Dinitrophenol	UG/KG	200	1051200	170	U	170	U	180	U	190	U
2,4-Dinitrotoluene	UG/KG		1051200	72	U	69	U	72	U	79	U
2,6-Dinitrotoluene	UG/KG	1000	525600	72	U	69	U	72	U	79	U
2-Chloronaphthalene	UG/KG			72	U	69	U	72	U	79	U
2-Chlorophenol	UG/KG	800	2628000	72	U	69	U	72	U	79	U
2-Methylnaphthalene	UG/KG	36400		72	U	20	J	16	J	79	U
2-Methylphenol	UG/KG	100	26280000	72	U	69	U	72	U	79	U
2-Nitroaniline	UG/KG	430	31536	170	U	170	U	180	U	190	U
2-Nitrophenol	UG/KG	330		72	U	69	U	72	U	79	U
3,3`-Dichlorobenzidine	UG/KG		12718	72	U	69	U	72	U	79	U
3-Nitroaniline	UG/KG	500	1576800	170	U	170	U	180	U	190	U
4,6-Dinitro-2-methylphenol	UG/KG			170	U	170	U	180	U	190	U
4-Bromophenyl phenyl ether	UG/KG		30484800	72	U	69	U	72	U	79	U
4-Chloro-3-methylphenol	UG/KG	240		72	U	69	U	72	U	79	U
4-Chloroaniline	UG/KG	220	2102400	72	U	69	U	72	U	79	U
4-Chlorophenyl phenyl ether	UG/KG			72	U	69	U	72	U	79	U
4-Methylphenol	UG/KG	900		72	U	69	U	72	U	79	U
4-Nitroaniline	UG/KG		1576800	170	U	170	U	180	U	190	U
4-Nitrophenol	UG/KG	100	31536000	170	U	170	U	180	U	190	U
Acenaphthene	UG/KG	50000		72	U	69	U	72	U	79	U
Acenaphthylene	UG/KG	41000		72	U	69	U	72	U	79	U
Anthracene	UG/KG	50000	157680000	72	U	69	U	72	U	79	U
Benzo[a]anthracene	UG/KG	224	7840	7.2	J	12	J	4.2	J	9.8	J
Benzo[a]pyrene	UG/KG	61	784	10	J	8.6	J	72	U	8	J
Benzo[b]fluoranthene	UG/KG	1100	7840	15	J	15	J	7.2	JY	9	J
Benzo[ghi]perylene	UG/KG	50000		13	J	9.4	J	4.7	J	8.3	J
Benzo[k]fluoranthene	UG/KG	1100	78400	16	J	10	J	72	U	8.6	J
Bis(2-Chloroethoxy)methane	UG/KG			72	U	69	U	72	U	79	U
Bis(2-Chloroethyl)ether	UG/KG		5203	72	U	69	U	72	U	79	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	72	U	69	U	72	U	79	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	5.2	JB	8.4	JB	7.4	JB	6.9	JB
Butylbenzylphthalate	UG/KG	50000	105120000	72	U	4.4	J	72	U	79	U
Carbazole	UG/KG		286160	72	U	69	U	72	U	79	U

Table 9-6
SEAD-121H - Semivolatiles in Soil vs. PRG-IND
Non Evaluated EBS Sites

SITE				SEAD-121H		SEAD-121H		SEAD-121H		SEAD-121H	
DESCRIPTION:				Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area		Rumored Coal Disposal Area	
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Chrysene	UG/KG	400	784000	12	J	18	J	7.2	J	12	J
Di-n-butylphthalate	UG/KG	8100		72	U	3.5	J	72	U	79	U
Di-n-octylphthalate	UG/KG	50000	10512000	72	U	69	U	72	U	79	U
Dibenz[a,h]anthracene	UG/KG	14	784	7.6	J	6.4	J	72	U	79	U
Dibenzofuran	UG/KG	6200	2102400	72	U	7.8	J	4.9	J	79	U
Diethyl phthalate	UG/KG	7100	420480000	5.4	JB	13	JB	9.4	JB	12	JB
Dimethylphthalate	UG/KG	2000	5256000000	72	U	69	U	72	U	79	U
Fluoranthene	UG/KG	50000	21024000	15	J	33	J	10	J	23	J
Fluorene	UG/KG	50000	21024000	72	U	69	U	72	U	79	U
Hexachlorobenzene	UG/KG	410	3577	72	U	69	U	72	U	79	U
Hexachlorobutadiene	UG/KG		73374	72	U	69	U	72	U	79	U
Hexachlorocyclopentadiene	UG/KG		3679200	72	U	69	U	72	U	79	U
Hexachloroethane	UG/KG		408800	72	U	69	U	72	U	79	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	13	J	8.1	J	72	U	8.3	J
Isophorone	UG/KG	4400		72	U	69	U	72	U	79	U
N-Nitrosodiphenylamine	UG/KG		1168000	72	U	69	U	72	U	79	U
N-Nitrosodipropylamine	UG/KG		818	72	U	69	U	72	U	79	U
Naphthalene	UG/KG	13000	21024000	72	U	12	J	8.9	J	79	U
Nitrobenzene	UG/KG	200	262800	72	U	69	U	72	U	79	U
Pentachlorophenol	UG/KG	1000	47693	170	U	170	U	180	U	190	U
Phenanthrene	UG/KG	50000		7.1	J	34	J	15	J	13	J
Phenol	UG/KG	30	315360000	72	U	69	U	72	U	79	U
Pyrene	UG/KG	50000	15768000	10	J	22	J	7.5	J	17	J

Seneca Army Depot Activity
Table 9-7
SEAD-121H -Metals in Soil vs. PRG-IND
Non Evaluated EBS Sites

SITE				SEAD-121H		SEAD-121H		SEAD-121H		SEAD-121H	
				Rumored Coal		Rumored Coal		Rumored Coal		Rumored Coal	
DESCRIPTION:				Disposal Area		Disposal Area		Disposal Area		Disposal Area	
LOC ID:				SB121H-1		SB121H-1		SB121H-2		SB121H-2	
SAMP_ID:				EB252		EB254		EB255		EB253	
QC CODE:				SA		SA		SA		SA	
SAMP. DETH TOP:				0		0		6.9		7.3	
SAMP. DEPTH BOT:				0.3		0.9		7.5		7.7	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				16-Mar-98		16-Mar-98		16-Mar-98		16-Mar-98	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Metals											
Aluminum	MG/KG	19520	525600	3610		1570		6570		12400	
Antimony	MG/KG	6	210	1.1	U	0.99	U	1	U	1.2	U
Arsenic	MG/KG	8.9	4	[redacted]		3.1		3.4		[redacted]	
Barium	MG/KG	300	36792	23.5	B	17.7	B	53.6		83.1	
Beryllium	MG/KG	1.13	1	0.17	B	0.11	B	0.24	B	0.48	B
Cadmium	MG/KG	2.46	263	0.06	U	0.06	U	0.06	U	0.07	U
Calcium	MG/KG	125300		227000	E	246000	E	102000	E	17400	E
Chromium	MG/KG	30	525600	6.9		3.7		11.5		19.3	
Cobalt	MG/KG	30	31536	5.7	B	4.7	B	6.9	B	10.5	B
Copper	MG/KG	33	21024	13.8		8.7		14.9		20.2	
Cyanide	MG/KG	0.35		0.55	U	0.55	U	0.58	U	0.65	U
Iron	MG/KG	37410	157680	8390		4400		14800		23600	
Lead	MG/KG	24.4		9.7		4.9		7.6		12.6	
Magnesium	MG/KG	21700		13500		13900		15400		5820	
Manganese	MG/KG	1100	12089	308		337		321		495	
Mercury	MG/KG	0.1	158	0.04	U	0.04	U	0.06	U	0.05	U
Nickel	MG/KG	50	10512	14.1		10		20.5		27.7	
Potassium	MG/KG	2623		1090		881	B	1060		1370	
Selenium	MG/KG	2	2628	0.93	U	0.87	U	0.9	U	1.1	B
Silver	MG/KG	0.8	2628	0.27	U	0.25	U	0.26	U	0.3	U
Sodium	MG/KG	188		328	B	611	B	335	B	377	B
Thallium	MG/KG	0.855	42	1.4	U	1.3	U	1.3	U	1.5	U
Vanadium	MG/KG	150	3679	8.3	B	5.4	B	11.4		21.3	
Zinc	MG/KG	115	157680	33.1		23.5		47.6		67.1	

SEAD-121I

Cosmoline Oil Disposal Areas

Table 10-1

Sample Collection Information
SEAD-121I - Cosmoline Oil Disposal Areas

9 Low Priority EBS Non-Evaluated Sites
Seneca Army Depot Activity

MATRIX	LOCATION ID	SAMPLE ID	SAMPLE DATE	TOP (feet)	BOTTOM (feet)	QC CODE	RATIONALE FOR SAMPLE LOCATION
SURFACE SOIL	SS121I-1	EB147	3/10/98	0	0.2	SA	Location is in a depressed ground surface area adjacent to warehouse Bldg. 343 where cosmoline may of been deposited during equipment unpacking and cleaning activities.
SURFACE SOIL	SS121I-2	EB150	3/10/98	0	0.2	SA	Location is in a depressed ground surface area adjacent to warehouse Bldg.342 where cosmoline may of been deposited during equipment unpacking and cleaning activities.
SURFACE SOIL	SS121I-3	EB149	3/10/98	0	0.2	SA	Location is in a depressed ground surface area adjacent to warehouse Bldg.341 where cosmoline may of been deposited during equipment unpacking and cleaning activities.
SURFACE SOIL	SS121I-4	EB148	3/10/98	0	0.2	SA	Location is in a depressed ground surface area adjacent to warehouse Bldg.340 where cosmoline may of been deposited during equipment unpacking and cleaning activities.
SEDIMENT	SD121I-1	EB151	3/10/98	0	0.2	SA	Location is a drainage culvert downgradient of the material staging area between warehouse Bldgs. 343 & 331, near a railway dock, where cosmoline may of been deposited from surface water runoff. Standing water was present.
SEDIMENT	SD121I-2	EB152	3/10/98	0	0.2	SA	Location is a drainage culvert downgradient of the material staging area between warehouse Bldgs. 329 & 341, near a railway dock, where cosmoline may of been deposited from surface water runoff. Standing water was present.

Notes:
SA = Sample

Table 10-2
SEAD-121I - Data Summary
Comparison to NYTAGM

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	46778400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	4	1	25.00%	54	0	54	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3'-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	4	100.00%	1900	0	632.5	0	50000	
Acenaphthylene	UG/KG	4	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	4	4	100.00%	2600	0	805	0	50000	157680000
Benzo[a]anthracene	UG/KG	4	4	100.00%	13000	4	4425	0	224	7840
Benzo[a]pyrene	UG/KG	4	4	100.00%	13000	4	4425	0	61	784
Benzo[b]fluoranthene	UG/KG	4	4	100.00%	12000	4	4325	0	1100	7840
Benzo[ghi]perylene	UG/KG	4	4	100.00%	8100	0	2865	0	50000	
Benzo[k]fluoranthene	UG/KG	4	4	100.00%	15000	4	5200	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	3	75.00%	230	0	109.3333333	0	50000	408800
Butylbenzylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	105120000
Carbazole	UG/KG	4	4	100.00%	3100	0	1007.5	0		286160
Chrysene	UG/KG	4	4	100.00%	16000	4	5400	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	45	0	45	0	8100	
Di-n-octylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	4	100.00%	4600	4	1522.5	0	14	784
Dibenzofuran	UG/KG	4	4	100.00%	440	0	143.5	0	6200	2102400
Diethyl phthalate	UG/KG	4	0	0.00%	0	0	0	0	7100	420480000
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	35000	0	11575	0	50000	21024000
Fluorene	UG/KG	4	4	100.00%	1100	0	360.25	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	4	4	100.00%	8000	1	2827.5	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		1168000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	1	25.00%	51	0	51	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	15000	0	4850	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	23000	0	7975	0	50000	15768000
TPH	MG/KG	4	3	75.00%	452	0	201.3	0		

Table 10-3
SEAD-121I - Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121I		SEAD-121I		SEAD-121I		SEAD-121I	
DESCRIPTION:											
LOC ID:				SS121I-1		SS121I-2		SS121I-3		SS121I-4	
SAMP_ID:				EB147		EB150		EB149		EB148	
QC CODE:				SA		SA		SA		SA	
SAMP. DEPTH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				10-Mar-98		10-Mar-98		35864		35864	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5256000	470	U	7400	U	770	U	550	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	470	U	7400	U	770	U	550	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	470	U	7400	U	770	U	550	U
1,4-Dichlorobenzene	UG/KG	8500	238467	470	U	7400	U	770	U	550	U
2,4,5-Trichlorophenol	UG/KG	100	52560000	1100	U	18000	U	1900	U	1300	U
2,4,6-Trichlorophenol	UG/KG		520291	470	U	7400	U	770	U	550	U
2,4-Dichlorophenol	UG/KG	400	1576800	470	U	7400	U	770	U	550	U
2,4-Dimethylphenol	UG/KG		10512000	470	U	7400	U	770	U	550	U
2,4-Dinitrophenol	UG/KG	200	1051200	1100	U	18000	U	1900	U	1300	U
2,4-Dinitrotoluene	UG/KG		1051200	470	U	7400	U	770	U	550	U
2,6-Dinitrotoluene	UG/KG	1000	525600	470	U	7400	U	770	U	550	U
2-Chloronaphthalene	UG/KG			470	U	7400	U	770	U	550	U
2-Chlorophenol	UG/KG	800	2628000	470	U	7400	U	770	U	550	U
2-Methylnaphthalene	UG/KG	36400		470	U	7400	U	54	J	550	U
2-Methylphenol	UG/KG	100	26280000	470	U	7400	U	770	U	550	U
2-Nitroaniline	UG/KG	430	31536	1100	U	18000	U	1900	U	1300	U
2-Nitrophenol	UG/KG	330		470	U	7400	U	770	U	550	U
3,3'-Dichlorobenzidine	UG/KG		12718	470	U	7400	U	770	U	550	U
3-Nitroaniline	UG/KG	500	1576800	1100	U	18000	U	1900	U	1300	U
4,6-Dinitro-2-methylphenol	UG/KG			1100	U	18000	U	1900	U	1300	U
4-Bromophenyl phenyl ether	UG/KG		30484800	470	U	7400	U	770	U	550	U
4-Chloro-3-methylphenol	UG/KG	240		470	U	7400	U	770	U	550	U
4-Chloroaniline	UG/KG	220	2102400	470	U	7400	U	770	U	550	U
4-Chlorophenyl phenyl ether	UG/KG			470	U	7400	U	770	U	550	U
4-Methylphenol	UG/KG	900		470	U	7400	U	770	U	550	U
4-Nitroaniline	UG/KG		1576800	1100	U	18000	U	1900	U	1300	U
4-Nitrophenol	UG/KG	100	31536000	1100	U	18000	U	1900	U	1300	U
Acenaphthene	UG/KG	50000		170	J	1900	J	140	J	320	J
Acenaphthylene	UG/KG	41000		470	U	7400	U	770	U	550	U
Anthracene	UG/KG	50000	157680000	170	J	2600	J	220	J	230	J
Benzo[a]anthracene	UG/KG	224	7840	1400		13000		1600	B	1700	
Benzo[a]pyrene	UG/KG	61	784	1300		13000		1800	B	1600	
Benzo[b]fluoranthene	UG/KG	1100	7840	1500		12000		2100	B	1700	
Benzo[ghi]perylene	UG/KG	50000		820		8100		1600	B	940	
Benzo[k]fluoranthene	UG/KG	1100	78400	1500		15000		2500	B	1800	
Bis(2-Chloroethoxy)methane	UG/KG			470	U	7400	U	770	U	550	U
Bis(2-Chloroethyl)ether	UG/KG		5203	470	U	7400	U	770	U	550	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	470	U	7400	U	770	U	550	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	51	JB	7400	U	230	J	47	JB

Table 10-3
SEAD-121I - Semivolatiles/TPH in Soil vs. NYTAGM
Non Evaluated EBS Sites

SITE:				SEAD-121I		SEAD-121I		SEAD-121I		SEAD-121I	
DESCRIPTION:											
LOC ID:				SS121I-1		SS121I-2		SS121I-3		SS121I-4	
SAMP_ID:				EB147		EB150		EB149		EB148	
QC CODE:				SA		SA		SA		SA	
SAMP. DEPTH TOP:				0		0		0		0	
SAMP. DEPTH BOT:				0.2		0.2		0.2		0.2	
MATRIX:				SOIL		SOIL		SOIL		SOIL	
SAMP. DATE:				10-Mar-98		10-Mar-98		35864		35864	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Butylbenzylphthalate	UG/KG	50000	105120000	470	U	7400	U	770	U	550	U
Carbazole	UG/KG		286160	230	J	3100	J	320	J	380	J
Chrysene	UG/KG	400	784000	[redacted]		[redacted]		[redacted]	B	[redacted]	
Di-n-butylphthalate	UG/KG	8100		45	JB	7400	U	770	U	550	U
Di-n-octylphthalate	UG/KG	50000	10512000	470	U	7400	U	770	U	550	U
Dibenz[a,h]anthracene	UG/KG	14	784	[redacted]	J	[redacted]	J	[redacted]	J	[redacted]	J
Dibenzofuran	UG/KG	6200	2102400	29	J	440	J	42	J	63	J
Diethyl phthalate	UG/KG	7100	420480000	470	U	7400	U	770	U	550	U
Dimethylphthalate	UG/KG	2000	5256000000	470	U	7400	U	770	U	550	U
Fluoranthene	UG/KG	50000	21024000	3200		35000		4000	B	4100	
Fluorene	UG/KG	50000	21024000	83	J	1100	J	98	J	160	J
Hexachlorobenzene	UG/KG	410	3577	470	U	7400	U	770	U	550	U
Hexachlorobutadiene	UG/KG		73374	470	U	7400	U	770	U	550	U
Hexachlorocyclopentadiene	UG/KG		3679200	470	U	7400	U	770	U	550	U
Hexachloroethane	UG/KG		408800	470	U	7400	U	770	U	550	U
Indeno[1,2,3-cd]pyrene	UG/KG	3200	7840	760		[redacted]		1600	B	950	
Isophorone	UG/KG	4400		470	U	7400	U	770	U	550	U
N-Nitrosodiphenylamine	UG/KG		1168000	470	U	7400	U	770	U	550	U
N-Nitrosodipropylamine	UG/KG		818	470	U	7400	U	770	U	550	U
Naphthalene	UG/KG	13000	21024000	470	U	7400	U	770	U	51	J
Nitrobenzene	UG/KG	200	262800	470	U	7400	U	770	U	550	U
Pentachlorophenol	UG/KG	1000	47693	1100	U	18000	U	1900	U	1300	U
Phenanthrene	UG/KG	50000		1200		15000		1400	B	1800	
Phenol	UG/KG	30	315360000	470	U	7400	U	770	U	550	U
Pyrene	UG/KG	50000	15768000	2700		23000		3000	B	3200	
TPH	MG/KG			43.9		108		452		20.3	U

Table 10-4
SEAD-121I - Data Summary
Comparison to NYS Criteria

SITE:
DESCRIPTION
LOC ID
SAMP_ID
QC CODE:
SAMP. DEPTH TOP:
SAMP. DEPTH BOT.
MATRIX:
SAMP. DATE

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	CRITERIA TYPE	LEVEL
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	2	0	0.00%	0	0	0	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000
1,2-Dichlorobenzene	UG/KG	2	0	0.00%	0	0	0	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000
1,3-Dichlorobenzene	UG/KG	2	0	0.00%	0	0	0	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000
1,4-Dichlorobenzene	UG/KG	2	0	0.00%	0	0	0	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000
2,4,5-Trichlorophenol	UG/KG	2	0	0.00%	0	0	0	0		
2,4,6-Trichlorophenol	UG/KG	2	0	0.00%	0	0	0	0		
2,4-Dichlorophenol	UG/KG	2	0	0.00%	0	0	0	0		
2,4-Dimethylphenol	UG/KG	2	0	0.00%	0	0	0	0		
2,4-Dinitrophenol	UG/KG	2	0	0.00%	0	0	0	0		
2,4-Dinitrotoluene	UG/KG	2	0	0.00%	0	0	0	0		
2,6-Dinitrotoluene	UG/KG	2	0	0.00%	0	0	0	0		
2-Chloronaphthalene	UG/KG	2	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	2	0	0.00%	0	0	0	0		
2-Methylnaphthalene	UG/KG	2	1	50.00%	33	0	33	0		
2-Methylphenol	UG/KG	2	0	0.00%	0	0	0	0		
2-Nitroaniline	UG/KG	2	0	0.00%	0	0	0	0		
2-Nitrophenol	UG/KG	2	0	0.00%	0	0	0	0		
3,3'-Dichlorobenzidine	UG/KG	2	0	0.00%	0	0	0	0		
3-Nitroaniline	UG/KG	2	0	0.00%	0	0	0	0		
4,6-Dinitro-2-methylphenol	UG/KG	2	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	2	0	0.00%	0	0	0	0		
4-Chloro-3-methylphenol	UG/KG	2	0	0.00%	0	0	0	0		
4-Chloroaniline	UG/KG	2	0	0.00%	0	0	0	0		
4-Chlorophenyl phenyl ether	UG/KG	2	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	2	0	0.00%	0	0	0	0		
4-Nitroaniline	UG/KG	2	0	0.00%	0	0	0	0		
4-Nitrophenol	UG/KG	2	0	0.00%	0	0	0	0		
Acenaphthene	UG/KG	2	2	100.00%	390	0	265	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	140000
Acenaphthylene	UG/KG	2	1	50.00%	420	0	420	0		
Anthracene	UG/KG	2	2	100.00%	1800	0	1030	0		
Benzo[a]anthracene	UG/KG	2	2	100.00%	14000	1	7650	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Benzo[a]pyrene	UG/KG	2	2	100.00%	18000	1	9650	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Benzo[b]fluoranthene	UG/KG	2	2	100.00%	22000	2	12050	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Benzo[ghi]perylene	UG/KG	2	2	100.00%	12000	0	6420	0		
Benzo[k]fluoranthene	UG/KG	2	2	100.00%	23000	2	12300	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Bis(2-Chloroethoxy)methane	UG/KG	2	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	2	0	0.00%	0	0	0	0		
Bis(2-Chloroisopropyl)ether	UG/KG	2	0	0.00%	0	0	0	0		
Bis(2-Ethylhexyl)phthalate	UG/KG	2	1	50.00%	25	0	25	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	200000
Butylbenzylphthalate	UG/KG	2	0	0.00%	0	0	0	0		
Carbazole	UG/KG	2	2	100.00%	1600	0	1005	0		
Chrysene	UG/KG	2	2	100.00%	25000	2	13350	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Di-n-butylphthalate	UG/KG	2	0	0.00%	0	0	0	0		
Di-n-octylphthalate	UG/KG	2	0	0.00%	0	0	0	0		
Dibenz[a,h]anthracene	UG/KG	2	2	100.00%	5000	0	2700	0		
Dibenzofuran	UG/KG	2	1	50.00%	58	0	58	0		
Diethyl phthalate	UG/KG	2	0	0.00%	0	0	0	0		
Dimethylphthalate	UG/KG	2	0	0.00%	0	0	0	0		
Fluoranthene	UG/KG	2	2	100.00%	24000	0	13700	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	102000
Fluorene	UG/KG	2	2	100.00%	360	0	245	0		
Hexachlorobenzene	UG/KG	2	0	0.00%	0	0	0	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	150
Hexachlorobutadiene	UG/KG	2	0	0.00%	0	0	0	0		
Hexachlorocyclopentadiene	UG/KG	2	0	0.00%	0	0	0	0		
Hexachloroethane	UG/KG	2	0	0.00%	0	0	0	0		
Indeno[1,2,3-cd]pyrene	UG/KG	2	2	100.00%	12000	1	6425	0	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300
Isophorone	UG/KG	2	0	0.00%	0	0	0	0		
N-Nitrosodiphenylamine	UG/KG	2	0	0.00%	0	0	0	0		
N-Nitrosodipropylamine	UG/KG	2	0	0.00%	0	0	0	0		
Naphthalene	UG/KG	2	0	0.00%	0	0	0	0		
Nitrobenzene	UG/KG	2	0	0.00%	0	0	0	0		
Pentachlorophenol	UG/KG	2	0	0.00%	0	0	0	0		
Phenanthrene	UG/KG	2	2	100.00%	4400	0	3000	0	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	120000
Phenol	UG/KG	2	0	0.00%	0	0	0	0		
Pyrene	UG/KG	2	2	100.00%	17000	0	9850	0		
TPH	MG/KG	2	2	100.00%	370	0	253	0		

SEAD-121I -Semivolatiles/TPH in Sediment vs NYS Criteria
Non Evaluated EBS Sites

SITE				SEAD-121I		SEAD-121I	
DESCRIPTION							
LOC ID				SS121I-1		SS121I-2	
SAMP_ID				EB151		EB152	
QC CODE				SA		SA	
SAMP_DEPTH TOP				0		0	
SAMP_DEPTH BOT				0.2		0.2	
MATRIX				SEDIMENT		SEDIMENT	
SAMP_DATE				10-Mar-98		10-Mar-98	
PARAMETER	UNIT	CRITERIA TYPE	LEVEL	VALUE	Q	VALUE	Q
Semivolatiles							
1,2,4-Trichlorobenzene	UG/KG			480	U	4400	U
1,2-Dichlorobenzene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000	480	U	4400	U
1,3-Dichlorobenzene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000	480	U	4400	U
1,4-Dichlorobenzene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	12000	480	U	4400	U
2,4,5-Trichlorophenol	UG/KG			1200	U	11000	U
2,4,6-Trichlorophenol	UG/KG			480	U	4400	U
2,4-Dichlorophenol	UG/KG			480	U	4400	U
2,4-Dimethylphenol	UG/KG			480	U	4400	U
2,4-Dinitrophenol	UG/KG			1200	U	11000	U
2,4-Dinitrotoluene	UG/KG			480	U	4400	U
2,6-Dinitrotoluene	UG/KG			480	U	4400	U
2-Chloronaphthalene	UG/KG			480	U	4400	U
2-Chlorophenol	UG/KG			480	U	4400	U
2-Methylnaphthalene	UG/KG			33	J	4400	U
2-Methylphenol	UG/KG			480	U	4400	U
2-Nitroaniline	UG/KG			1200	U	11000	U
2-Nitrophenol	UG/KG			480	U	4400	U
3,3'-Dichlorobenzidine	UG/KG			480	U	4400	U
3-Nitroaniline	UG/KG			1200	U	11000	U
4,6-Dinitro-2-methylphenol	UG/KG			1200	U	11000	U
4-Bromophenyl phenyl ether	UG/KG			480	U	4400	U
4-Chloro-3-methylphenol	UG/KG			480	U	4400	U
4-Chloroaniline	UG/KG			480	U	4400	U
4-Chlorophenyl phenyl ether	UG/KG			480	U	4400	U
4-Methylphenol	UG/KG			480	U	4400	U
4-Nitroaniline	UG/KG			1200	U	11000	U
4-Nitrophenol	UG/KG			1200	U	11000	U
Acenaphthene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	140000	140	J	390	J
Acenaphthylene	UG/KG			480	U	420	J
Anthracene	UG/KG			260	J	1800	J
Benzo[a]anthracene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	1300	B	[illegible]	B
Benzo[a]pyrene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	1300	B	[illegible]	B
Benzo[b]fluoranthene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	[illegible]	B	[illegible]	B
Benzo[ghi]perylene	UG/KG			840	B	12000	B
Benzo[k]fluoranthene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	[illegible]	B	[illegible]	B
Bis(2-Chloroethoxy)methane	UG/KG			480	U	4400	U
Bis(2-Chloroethyl)ether	UG/KG			480	U	4400	U
Bis(2-Chloroisopropyl)ether	UG/KG			480	U	4400	U
Bis(2-Ethylhexyl)phthalate	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	200000	25	J	4400	U
Butylbenzylphthalate	UG/KG			480	U	4400	U
Carbazole	UG/KG			410	J	1600	J
Chrysene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	[illegible]	B	[illegible]	B
Di-n-butylphthalate	UG/KG			480	U	4400	U
Di-n-octylphthalate	UG/KG			480	U	4400	U
Dibenz[a,h]anthracene	UG/KG			400	J	5000	
Dibenzofuran	UG/KG			58	J	4400	U
Diethyl phthalate	UG/KG			480	U	4400	U
Dimethylphthalate	UG/KG			480	U	4400	U
Fluoranthene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	102000	3400	B	24000	B
Fluorene	UG/KG			130	J	360	J
Hexachlorobenzene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	150	480	U	4400	U
Hexachlorobutadiene	UG/KG			480	U	4400	U
Hexachlorocyclopentadiene	UG/KG			480	U	4400	U
Hexachloroethane	UG/KG			480	U	4400	U
Indeno[1,2,3-cd]pyrene	UG/KG	NYS HUMAN HEALTH BIOACCUMULATION CRITERIA	1300	850	B	[illegible]	B
Isophorone	UG/KG			480	U	4400	U
N-Nitrosodiphenylamine	UG/KG			480	U	4400	U
N-Nitrosodipropylamine	UG/KG			480	U	4400	U
Naphthalene	UG/KG			480	U	4400	U
Nitrobenzene	UG/KG			480	U	4400	U
Pentachlorophenol	UG/KG			1200	U	11000	U
Phenanthrene	UG/KG	NYS BENTHIC AQUATIC LIFE CHRONIC TOXICITY CRITERIA	120000	1600	B	4400	JB
Phenol	UG/KG			480	U	4400	U
Pyrene	UG/KG			2700	B	17000	B
TPH	MG/KG			136		370	

PARAMETER	UNIT	Number of Analyses	Number of Detections	Frequency of Detection	Maximum Value	Number of Exceedances	Mean of Detected Values	Number of Rejected Analyses	NYSDEC TAGM	PRG-IND
Semivolatiles										
1,2,4-Trichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	3400	5256000
1,2-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	7900	47304000
1,3-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	1600	48778400
1,4-Dichlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	8500	238467
2,4,5-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	100	52560000
2,4,6-Trichlorophenol	UG/KG	4	0	0.00%	0	0	0	0		520291
2,4-Dichlorophenol	UG/KG	4	0	0.00%	0	0	0	0	400	1576800
2,4-Dimethylphenol	UG/KG	4	0	0.00%	0	0	0	0		10512000
2,4-Dinitrophenol	UG/KG	4	0	0.00%	0	0	0	0	200	1051200
2,4-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0		1051200
2,6-Dinitrotoluene	UG/KG	4	0	0.00%	0	0	0	0	1000	525600
2-Chloronaphthalene	UG/KG	4	0	0.00%	0	0	0	0		
2-Chlorophenol	UG/KG	4	0	0.00%	0	0	0	0	800	2628000
2-Methylnaphthalene	UG/KG	4	1	25.00%	54	0	54	0	36400	
2-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	100	26280000
2-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	430	31536
2-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	330	
3,3`-Dichlorobenzidine	UG/KG	4	0	0.00%	0	0	0	0		12718
3-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0	500	1576800
4,6-Dinitro-2-methylphenol	UG/KG	4	0	0.00%	0	0	0	0		
4-Bromophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		30484800
4-Chloro-3-methylphenol	UG/KG	4	0	0.00%	0	0	0	0	240	
4-Chloroaniline	UG/KG	4	0	0.00%	0	0	0	0	220	2102400
4-Chlorophenyl phenyl ether	UG/KG	4	0	0.00%	0	0	0	0		
4-Methylphenol	UG/KG	4	0	0.00%	0	0	0	0	900	
4-Nitroaniline	UG/KG	4	0	0.00%	0	0	0	0		1576800
4-Nitrophenol	UG/KG	4	0	0.00%	0	0	0	0	100	31536000
Acenaphthene	UG/KG	4	4	100.00%	1900	0	632.5	0	50000	
Acenaphthylene	UG/KG	4	0	0.00%	0	0	0	0	41000	
Anthracene	UG/KG	4	4	100.00%	2600	0	805	0	50000	157680000
Benzo(a)anthracene	UG/KG	4	4	100.00%	13000	1	4425	0	224	7840
Benzo(a)pyrene	UG/KG	4	4	100.00%	13000	4	4425	0	61	784
Benzo(b)fluoranthene	UG/KG	4	4	100.00%	12000	1	4325	0	1100	7840
Benzo(ghi)perylene	UG/KG	4	4	100.00%	8100	0	2865	0	50000	
Benzo(k)fluoranthene	UG/KG	4	4	100.00%	15000	0	5200	0	1100	78400
Bis(2-Chloroethoxy)methane	UG/KG	4	0	0.00%	0	0	0	0		
Bis(2-Chloroethyl)ether	UG/KG	4	0	0.00%	0	0	0	0		5203
Bis(2-Chloroisopropyl)ether	UG/KG	4	0	0.00%	0	0	0	0		81760
Bis(2-Ethylhexyl)phthalate	UG/KG	4	3	75.00%	230	0	109.3333333	0	50000	406800
Butylbenzylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	105120000
Carbazole	UG/KG	4	4	100.00%	3100	0	1007.5	0		286160
Chrysene	UG/KG	4	4	100.00%	16000	0	5400	0	400	784000
Di-n-butylphthalate	UG/KG	4	1	25.00%	45	0	45	0	8100	
Di-n-octylphthalate	UG/KG	4	0	0.00%	0	0	0	0	50000	10512000
Dibenz[a,h]anthracene	UG/KG	4	4	100.00%	4600	1	1522.5	0	14	784
Dibenzofuran	UG/KG	4	4	100.00%	440	0	143.5	0	6200	2102400
Diethyl phthalate	UG/KG	4	0	0.00%	0	0	0	0	7100	420480000
Dimethylphthalate	UG/KG	4	0	0.00%	0	0	0	0	2000	5256000000
Fluoranthene	UG/KG	4	4	100.00%	35000	0	11575	0	50000	21024000
Fluorene	UG/KG	4	4	100.00%	1100	0	360.25	0	50000	21024000
Hexachlorobenzene	UG/KG	4	0	0.00%	0	0	0	0	410	3577
Hexachlorobutadiene	UG/KG	4	0	0.00%	0	0	0	0		73374
Hexachlorocyclopentadiene	UG/KG	4	0	0.00%	0	0	0	0		3679200
Hexachloroethane	UG/KG	4	0	0.00%	0	0	0	0		408800
Indeno[1,2,3-cd]pyrene	UG/KG	4	4	100.00%	8000	1	2827.5	0	3200	7840
Isophorone	UG/KG	4	0	0.00%	0	0	0	0	4400	
N-Nitrosodiphenylamine	UG/KG	4	0	0.00%	0	0	0	0		1168000
N-Nitrosodipropylamine	UG/KG	4	0	0.00%	0	0	0	0		818
Naphthalene	UG/KG	4	1	25.00%	51	0	51	0	13000	21024000
Nitrobenzene	UG/KG	4	0	0.00%	0	0	0	0	200	262800
Pentachlorophenol	UG/KG	4	0	0.00%	0	0	0	0	1000	47693
Phenanthrene	UG/KG	4	4	100.00%	15000	0	4850	0	50000	
Phenol	UG/KG	4	0	0.00%	0	0	0	0	30	315360000
Pyrene	UG/KG	4	4	100.00%	23000	0	7975	0	50000	15768000
TPH	MG/KG	4	3	75.00%	452	0	201.3	0		

SITE				SEAD-121I		SEAD-121I		SEAD-121I		SEAD-121I	
DESCRIPTION											
LOC ID				SS121I-1		SS121I-2		SS121I-3		SS121I-4	
SAMP_ID				EB147		EB150		EB149		EB148	
QC CODE				SA		SA		SA		SA	
SAMP DEPTH TOP				0		0		0		0	
SAMP DEPTH BOT				0 2		0 2		0 2		0 2	
MATRIX				SOIL		SOIL		SOIL		SOIL	
SAMP DATE				10-Mar-98		10-Mar-98		35854		35854	
PARAMETER	UNIT	NYSDEC TAGM	PRG-IND	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Semivolatiles											
1,2,4-Trichlorobenzene	UG/KG	3400	5258000	470	U	7400	U	770	U	550	U
1,2-Dichlorobenzene	UG/KG	7900	47304000	470	U	7400	U	770	U	550	U
1,3-Dichlorobenzene	UG/KG	1600	46778400	470	U	7400	U	770	U	550	U
1,4-Dichlorobenzene	UG/KG	8500	238467	470	U	7400	U	770	U	550	U
2,4,5-Trichlorophenol	UG/KG	100	52580000	1100	U	18000	U	1900	U	1300	U
2,4,6-Trichlorophenol	UG/KG		520291	470	U	7400	U	770	U	550	U
2,4-Dichlorophenol	UG/KG	400	1578600	470	U	7400	U	770	U	550	U
2,4-Dimethylphenol	UG/KG		10512600	470	U	7400	U	770	U	550	U
2,4-Dinitrophenol	UG/KG	200	1051200	1100	U	18000	U	1900	U	1300	U
2,4-Dinitrotoluene	UG/KG		1051200	470	U	7400	U	770	U	550	U
2,6-Dinitrotoluene	UG/KG	1000	525600	470	U	7400	U	770	U	550	U
2-Chloronaphthalene	UG/KG			470	U	7400	U	770	U	550	U
2-Chlorophenol	UG/KG	800	2628000	470	U	7400	U	770	U	550	U
2-Methylnaphthalene	UG/KG	36400		470	U	7400	U	54	J	550	U
2-Methylphenol	UG/KG	100	26280000	470	U	7400	U	770	U	550	U
2-Nitroaniline	UG/KG	430	31536	1100	U	18000	U	1900	U	1300	U
2-Nitrophenol	UG/KG	330		470	U	7400	U	770	U	550	U
3,3'-Dichlorobenzidine	UG/KG		12718	470	U	7400	U	770	U	550	U
3-Nitroaniline	UG/KG	500	1575000	1100	U	18000	U	1900	U	1300	U
4,6-Dinitro-2-methylphenol	UG/KG			1100	U	18000	U	1900	U	1300	U
4-Bromophenyl phenyl ether	UG/KG		30484800	470	U	7400	U	770	U	550	U
4-Chloro-3-methylphenol	UG/KG	240		470	U	7400	U	770	U	550	U
4-Chloroaniline	UG/KG	220	2102400	470	U	7400	U	770	U	550	U
4-Chlorophenyl phenyl ether	UG/KG			470	U	7400	U	770	U	550	U
4-Methylphenol	UG/KG	900		470	U	7400	U	770	U	550	U
4-Nitroaniline	UG/KG		1576800	1100	U	18000	U	1900	U	1300	U
4-Nitrophenol	UG/KG	100	31536000	1100	U	18000	U	1900	U	1300	U
Acenaphthene	UG/KG	50000		170	J	1900	J	140	J	320	J
Acenaphthylene	UG/KG	41000		470	U	7400	U	770	U	550	U
Anthracene	UG/KG	50000	157680000	170	J	2600	J	220	J	230	J
Benzo(a)anthracene	UG/KG	224	7840	1400		[redacted]		1600	B	1700	
Benzo(a)pyrene	UG/KG	61	784	[redacted]		[redacted]		[redacted]	B	[redacted]	
Benzo(b)fluoranthene	UG/KG	1100	7840	1500		[redacted]		2100	B	1700	
Benzo(ghi)perylene	UG/KG	50000		820		6100		1600	B	940	
Benzo(k)fluoranthene	UG/KG	1100	78400	1500		15000		3500	B	1600	
Bis(2-Chloroethoxy)methane	UG/KG			470	U	7400	U	770	U	550	U
Bis(2-Chloroethyl)ether	UG/KG		5203	470	U	7400	U	770	U	550	U
Bis(2-Chloroisopropyl)ether	UG/KG		81760	470	U	7400	U	770	U	550	U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	408800	51	JB	7400	U	230	J	47	JB
Butylbenzylphthalate	UG/KG	50000	105120000	470	U	7400	U	770	U	550	U
Carbazole	UG/KG		288180	230	J	3100	J	320	J	380	J
Chrysene	UG/KG	400	784000	1700		18000		2000	B	1900	
Di-n-butylphthalate	UG/KG	8100		45	JB	7400	U	770	U	550	U
Di-n-octylphthalate	UG/KG	50000	10512000	470	U	7400	U	770	U	550	U
Dibenz(a,h)anthracene	UG/KG	14	784	350	J	[redacted]	J	720	J	420	J
Dibenzofuran	UG/KG	6200	2102400	29	J	440	J	42	J	83	J
Diethyl phthalate	UG/KG	7100	420480000	470	U	7400	U	770	U	550	U
Dimethylphthalate	UG/KG	2000	$2580000000	470	U	7400	U	770	U	550	U
Fluoranthene	UG/KG	50000	21024000	3200		35000		4000	B	4100	
Fluorene	UG/KG	50000	21024000	63	J	1100	J	98	J	160	J
Hexachlorobenzene	UG/KG	410	3577	470	U	7400	U	770	U	550	U
Hexachlorobutadiene	UG/KG		73374	470	U	7400	U	770	U	550	U
Hexachlorocyclopentadiene	UG/KG		3679200	470	U	7400	U	770	U	550	U
Hexachloroethane	UG/KG		408800	470	U	7400	U	770	U	550	U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7840	750		[redacted]		1600	B	950	
Isophorone	UG/KG	4400		470	U	7400	U	770	U	550	U
N-Nitrosodiphenylamine	UG/KG		1168080	470	U	7400	U	770	U	550	U
N-Nitrosodipropylamine	UG/KG		818	470	U	7400	U	770	U	550	U
Naphthalene	UG/KG	13000	21024000	470	U	7400	U	770	U	51	J
Nitrobenzene	UG/KG	200	262800	470	U	7400	U	770	U	550	U
Pentachlorophenol	UG/KG	1000	47693	1100	U	18000	U	1900	U	1300	U
Phenanthrene	UG/KG	50000		1200		15000		1400	B	1800	
Phenol	UG/KG	30	315360000	470	U	7400	U	770	U	550	U
Pyrene	UG/KG	50000	15768000	2700		23000		3000	B	3200	
TPH	MG/KG			43.9		108		452		20 3	U

FIGURES

SEAD-121A

SEAD-121I

SEAD-121G

SEAD-121F

SEAD-121E

SEAD-121H

SEAD-121B

SEAD-121C

SEAD-121D

N

LEGEND:

SEAD-121B NON-EVALUATED EBS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- 8 — PARCEL NUMBER
- (2) — CATEGORY NUMBER
- PS — CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- 8 — PARCEL NUMBER
- 19 — FACILITY NUMBER (IF APPLICABLE)
- Q — QUALIFIED
- A — QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - R PCB
  - B RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RAD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-2800 0 2800

SCALE: 1" = 2800'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

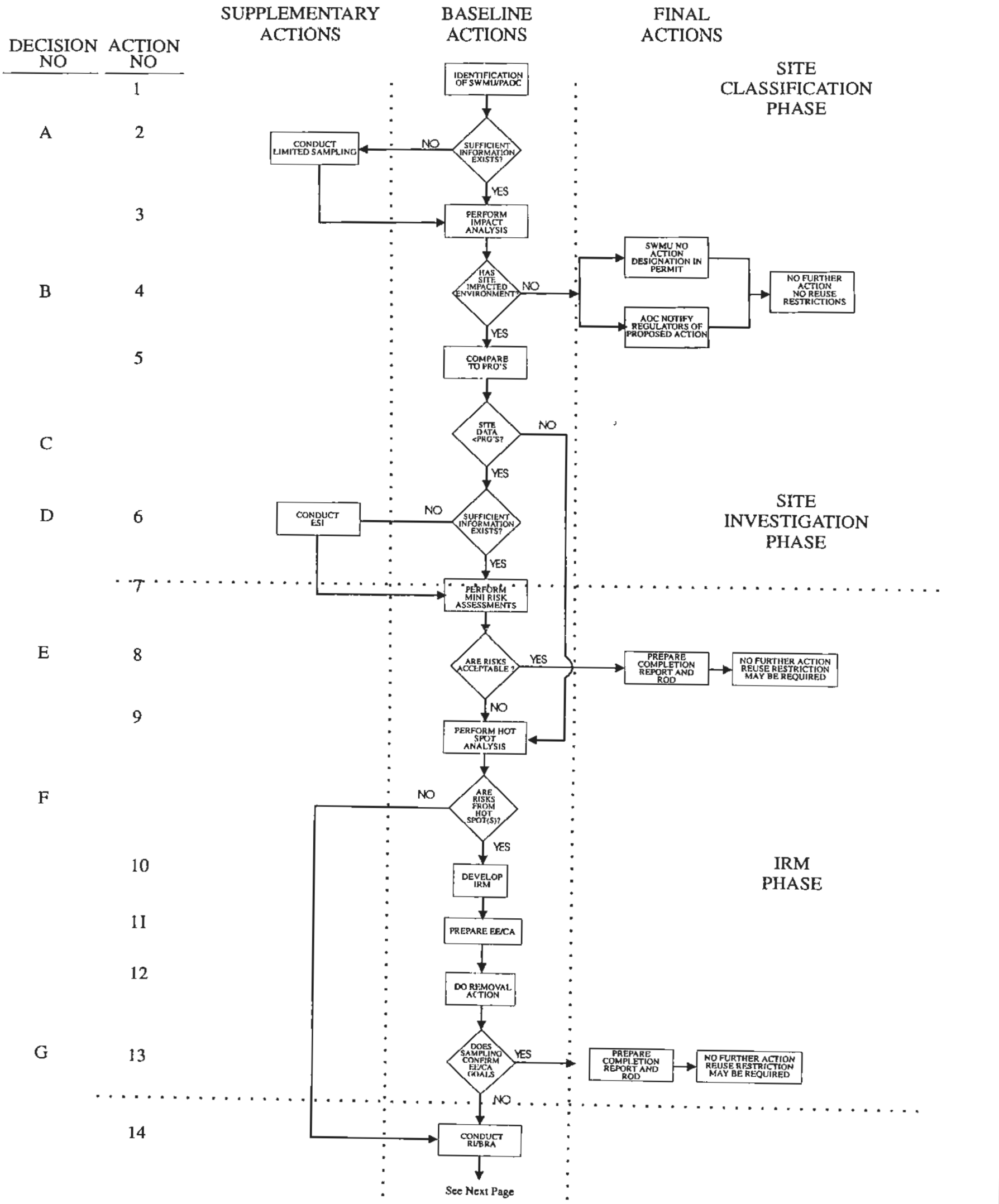
DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 1-1
LOCATION OF 9 LOW PRIORITY
NON-EVALUATED EBS SITES

SCALE	DATE	REV
1" = 2800'	JUNE 1998	NA

R:\SENECA\ERS\LOWSITE.DWG

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart

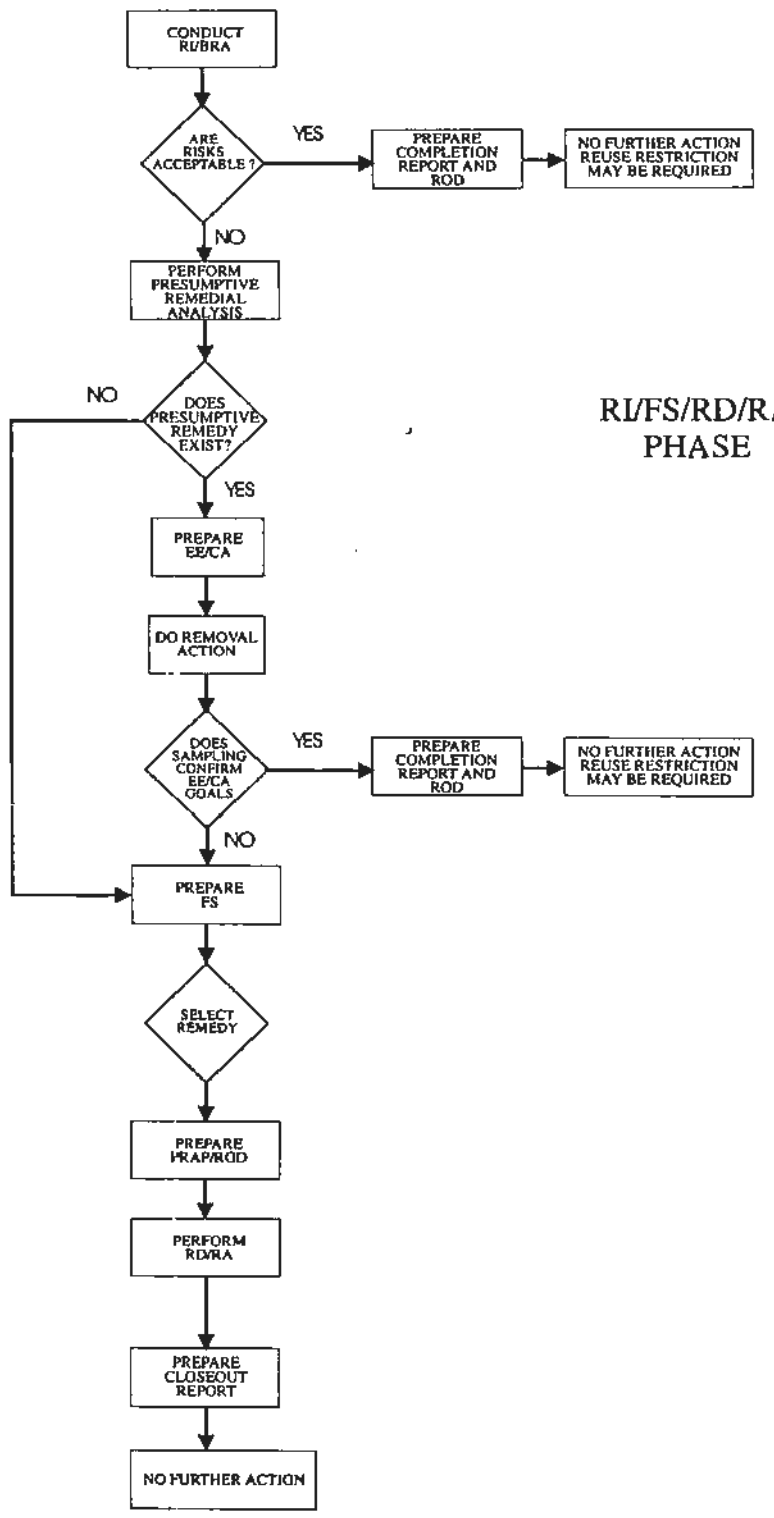


PARSONS
PARSONS ENGINEERING SCIENCE, INC.
CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
Environmental Baseline Survey
Investigation of Non-Evaluated Sites
DEPT ENVIRONMENTAL ENGINEERING
DWG NO.

FIGURE 1-2
Decision Criteria
Remediation Flowchart
Page 1 of 2
SCALE N/A
DATE APRIL 1998

SENECA ARMY DEPOT ACTIVITY
Decision Criteria Flowchart

DECISION NO	ACTION NO	SUPPLEMENTARY ACTIONS	BASELINE ACTIONS	FINAL ACTIONS
	15			
H	16			
	17			
I				
	18			
	19			
J	20			
	21			
K				
	22			
	23			
	24			
	25			



RI/FS/RD/RA PHASE

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

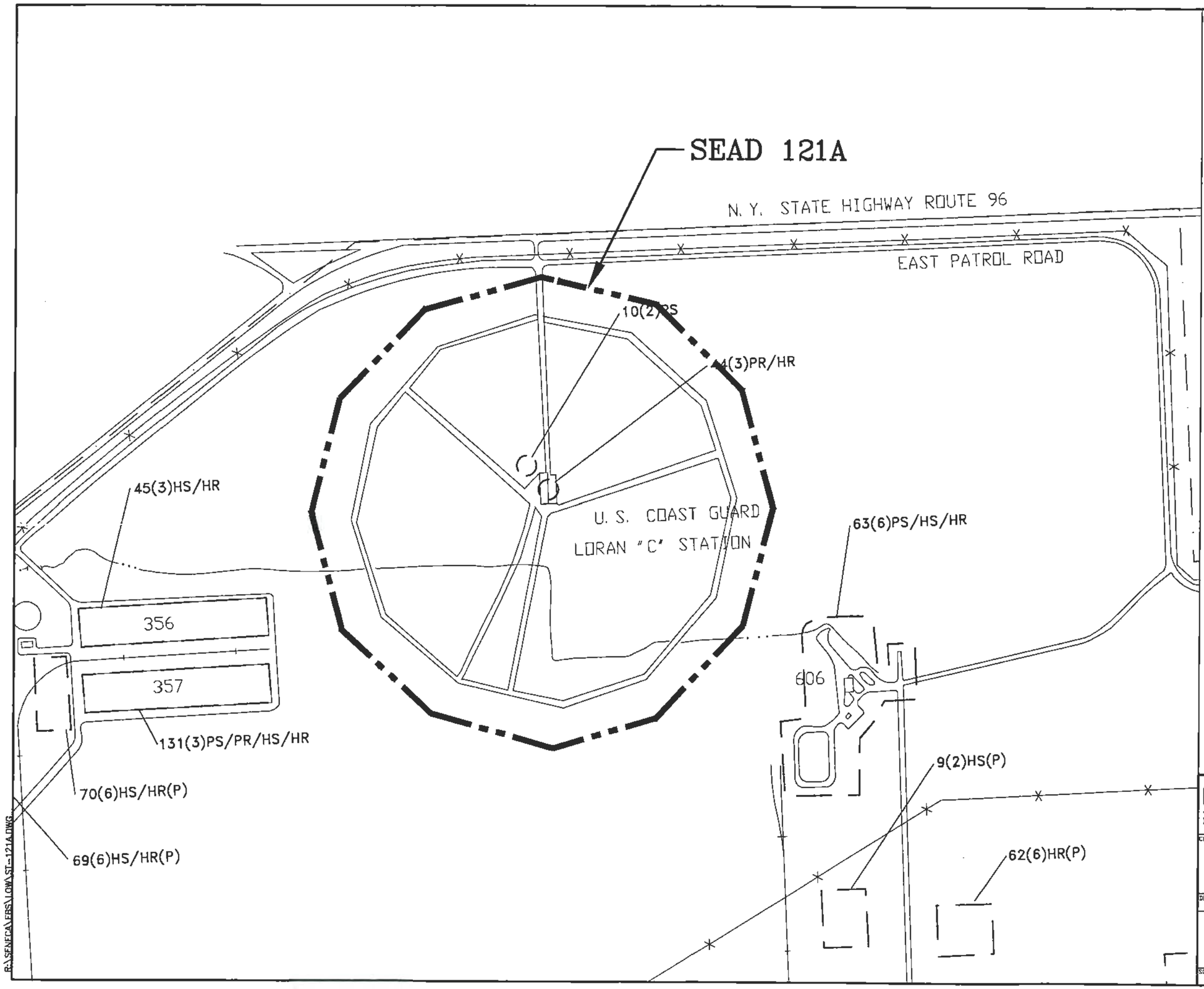
CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL PEER REVIEW PROGRAM

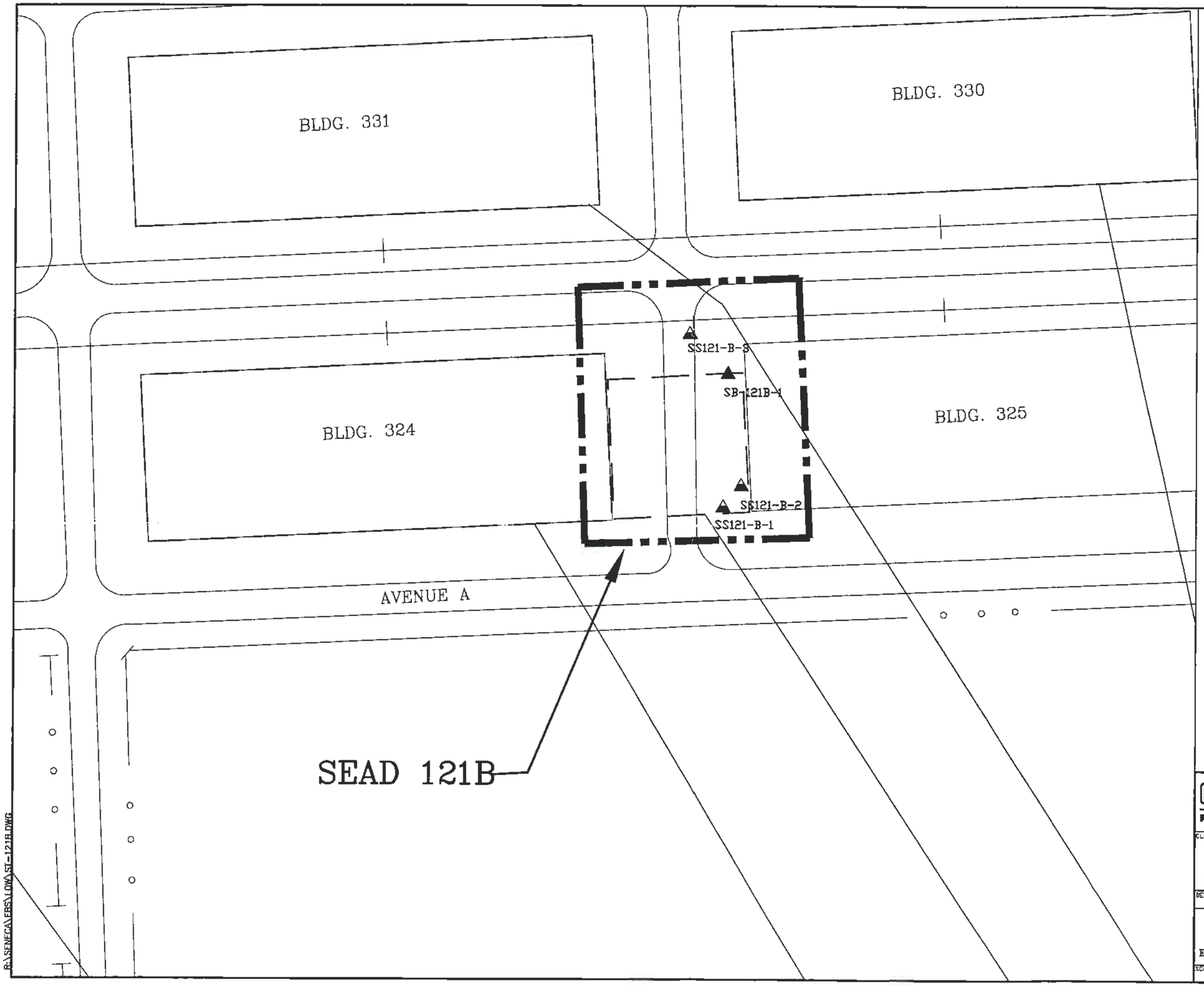
DEPT. ENVIRONMENTAL ENGINEERING | DWG NO.

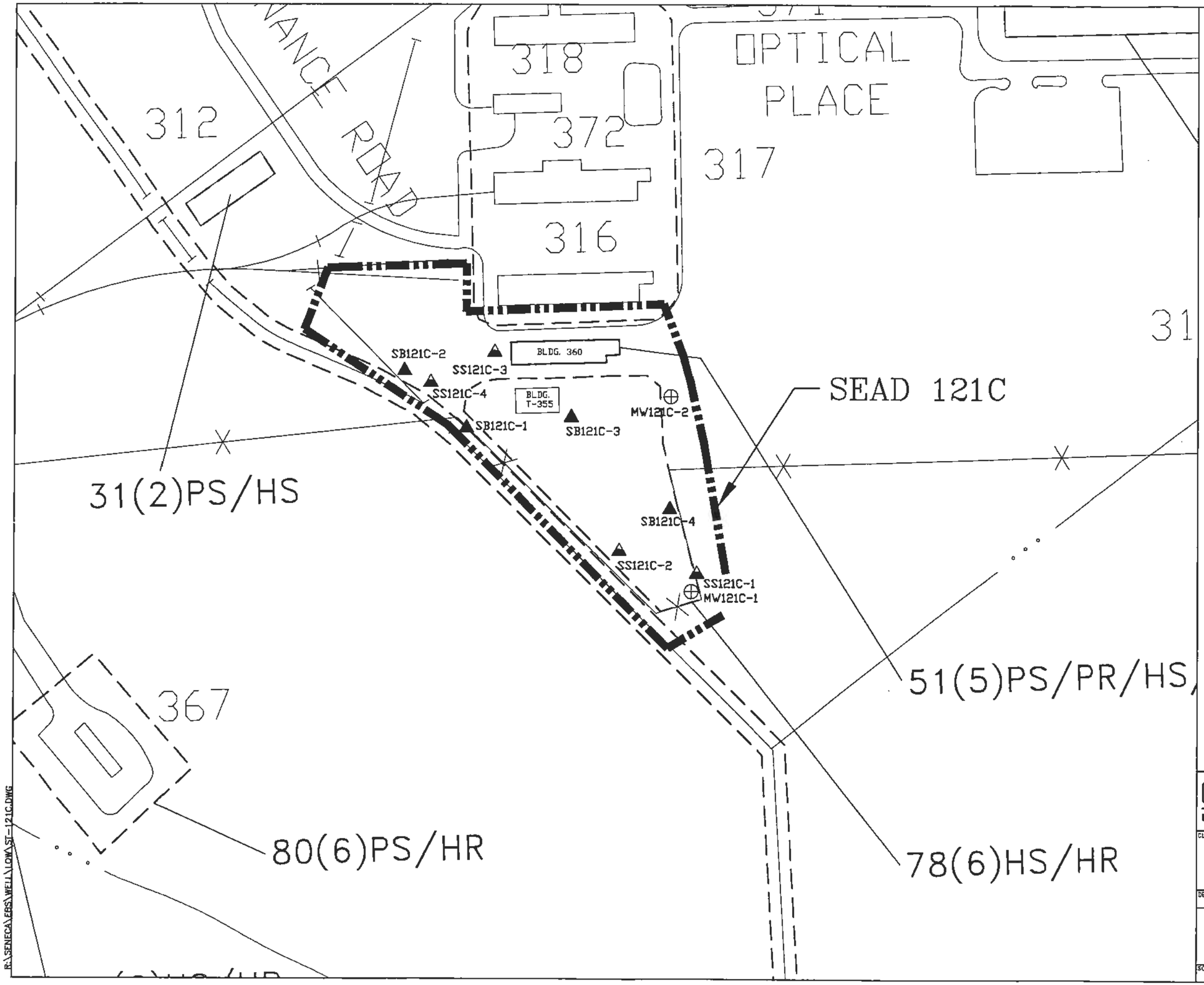
FIGURE 1-2
Decision Criteria
Remediation Flowchart

Page 2 of 2

SCALE N/A | DATE MARCH 1998


SEAD 121A
N. Y. STATE HIGHWAY ROUTE 96
EAST PATROL ROAD
10(2)PS
4(3)PR/HR
45(3)HS/HR
U. S. COAST GUARD
LORAN "C" STATION
63(6)PS/HS/HR
356
357
606
131(3)PS/PR/HS/HR
70(6)HS/HR(P)
69(6)HS/HR(P)
9(2)HS(P)
62(6)HR(P)
N
LEGEND:
SEAD-121B NON-EVALUATED EBS SITE
BRAC PARCEL LABEL DEFINITIONS
B(2)PS
CONTAMINATION DESCRIPTION
CATEGORY NUMBER
PARCEL NUMBER
PS PETROLEUM STORAGE
PR PETROLEUM RELEASE OR DISPOSAL
HS HAZARDOUS SUBSTANCE STORAGE
HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
(P) POSSIBLE (UNVERIFIED)
NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS
B-19Q-A(P)
QUALIFIERS
QUALIFIED
FACILITY NUMBER (IF APPLICABLE)
PARCEL NUMBER
A ASBESTOS-CONTAINING MATERIAL
L LEAD-BASED PAINT
P PCB
R RADON
X UXO AND/OR ORDNANCE FRAGMENTS
RS RADIONUCLIDES
(P) POSSIBLE (UNVERIFIED)
-500 0 500
SCALE: 1" = 500'
PARSONS
PARSONS ENGINEERING SCIENCE, INC.
CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES
DEPT. ENVIRONMENTAL ENGINEERING
Dwg. No.
FIGURE 2-1
SITE FEATURES AT EBS SEAD-121A
USCG HALON DISCHARGE
SCALE 1" = 500'
DATE JUNE 1998
REV NA
R:\SENECA\EBS\LOW\ST-121A.DWG


BLDG. 331
BLDG. 330
BLDG. 324
BLDG. 325
AVENUE A
SS121-B-3
SB-121B-1
SS121-B-2
SS121-B-1
SEAD 121B
N
LEGEND:
SB121B-1
SOIL BORING
SS121B-1
SURFACE SOIL SAMPLE
SEAD-121B
NON-EVALUATED EBS SITE
BRAC PARCEL LABEL DEFINITIONS
8(2)PS
CONTAMINATION DESCRIPTION
CATEGORY NUMBER
PARCEL NUMBER
PS PETROLEUM STORAGE
PR PETROLEUM RELEASE OR DISPOSAL
HS HAZARDOUS SUBSTANCE STORAGE
HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
(P) POSSIBLE (UNVERIFIED)
NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS
B-190-A(P)
QUALIFIERS
QUALIFIED
FACILITY NUMBER (IF APPLICABLE)
PARCEL NUMBER
A ASBESTOS-CONTAINING MATERIAL
L LEAD-BASED PAINT
P PCB
R RADON
U UXO AND/OR ORDNANCE FRAGMENTS
RQ RADIONUCLIDES
(P) POSSIBLE (UNVERIFIED)
-100
0
100
SCALE: 1" = 100'
PARSONS
PARSONS ENGINEERING SCIENCE, INC.
CLIENT/PROJECT TITLE
SENECA army DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES
DEPT.
ENVIRONMENTAL ENGINEERING
Dwg. No.
FIGURE 3-1
SITE FEATURES AND SAMPLE LOCATIONS AT
EBS SEAD 121B, BUILDING 325 PCB OIL SPILL
SCALE
1" = 100'
DATE
JUNE 1998
REV
NA
R:\SENECA\EBS\DWG\SI-121B.DWG


312
318
372
316
317
OPTICAL
PLACE
31
SEAD 121C
BLDG. 360
BLDG. T-355
SB121C-2
SS121C-3
SS121C-4
SB121C-1
SB121C-3
MW121C-2
SB121C-4
SS121C-2
SS121C-1
MW121C-1
31(2)PS/HS
51(5)PS/PR/HS
367
80(6)PS/HR
78(6)HS/HR
N
LEGEND:
SB121C-1
SOIL BORING
SS121C-4
SURFACE SOIL SAMPLE
MW121C-1
MONITORING WELL
SEAD-121B
NON-EVALUATED EBS SITE
BRAC PARCEL LABEL DEFINITIONS
8(2)PS
CONTAMINATION DESCRIPTION
CATEGORY NUMBER
PARCEL NUMBER
PSR PETROLEUM STORAGE
PR PETROLEUM RELEASE OR DISPOSAL
HS HAZARDOUS SUBSTANCE STORAGE
HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
(P) POSSIBLE (UNVERIFIED)
NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS
8-190-A(P)
QUALIFIERS
QUALIFIED
FACILITY NUMBER (IF APPLICABLE)
PARCEL NUMBER
A ASBESTOS-CONTAINING MATERIAL
L LEAD-BASED PAINT
P PCB
R RADON
X UXO AND/OR ORDNANCE FRAGMENTS
(RD) RADIONUCLIDES
(P) POSSIBLE (UNVERIFIED)
-200
0
200
SCALE: 1" = 200'
PARSONS
PARSONS ENGINEERING SCIENCE, INC.
CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES
DEPT.
ENVIRONMENTAL ENGINEERING
Dwg. No.
FIGURE 4-1
SITE FEATURES AND SAMPLE LOCATIONS
AT EBS SEAD-121C, DRMO YARD
SCALE
1" = 200'
DATE
JUNE 1998
REV
NA
R:\SENECA\EBS\WELLOW\ST-121C.DWG

309

84(6)PS/PR(P)

81(6

82(6)PS/

S/HR(P)

ROAD

BLDG. 306

SB121D-3

SS121D-2

BLDG. 306

SEAD 120D

SS121D-1

SB121D-2

SB121D-1

83(6)HS/

300

ROAD NO. 17

ROAD NO. 18

ROAD NO. 20

C0513

ROAD NO. 22

R:\SENECA\EBS\LOWAST-121D.DWG

N

LEGEND:

▲ SB121D-1 — SOIL BORING

▲ SS121D-1 — SURFACE SOIL SAMPLE

SEAD-121B — NON-EVALUATED EBS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- 8 — PARCEL NUMBER
- (2) — CATEGORY NUMBER
- PS, PR, HS, HR — CONTAMINATION DESCRIPTION
  - PS — PETROLEUM STORAGE
  - PR — PETROLEUM RELEASE OR DISPOSAL
  - HS — HAZARDOUS SUBSTANCE STORAGE
  - HR — HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) — POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

- 8 — PARCEL NUMBER
- 190 — FACILITY NUMBER (IF APPLICABLE)
- A — QUALIFIED
- A, L, P, R, X, RD, (P) — QUALIFIERS
  - A — ASBESTOS-CONTAINING MATERIAL
  - L — LEAD-BASED PAINT
  - P — PCB
  - R — RADON
  - X — UXO AND/OR ORDNANCE FRAGMENTS
  - RD — RADIOLOGICS
  - (P) — POSSIBLE (UNVERIFIED)

-200 0 200

SCALE: 1" = 200'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

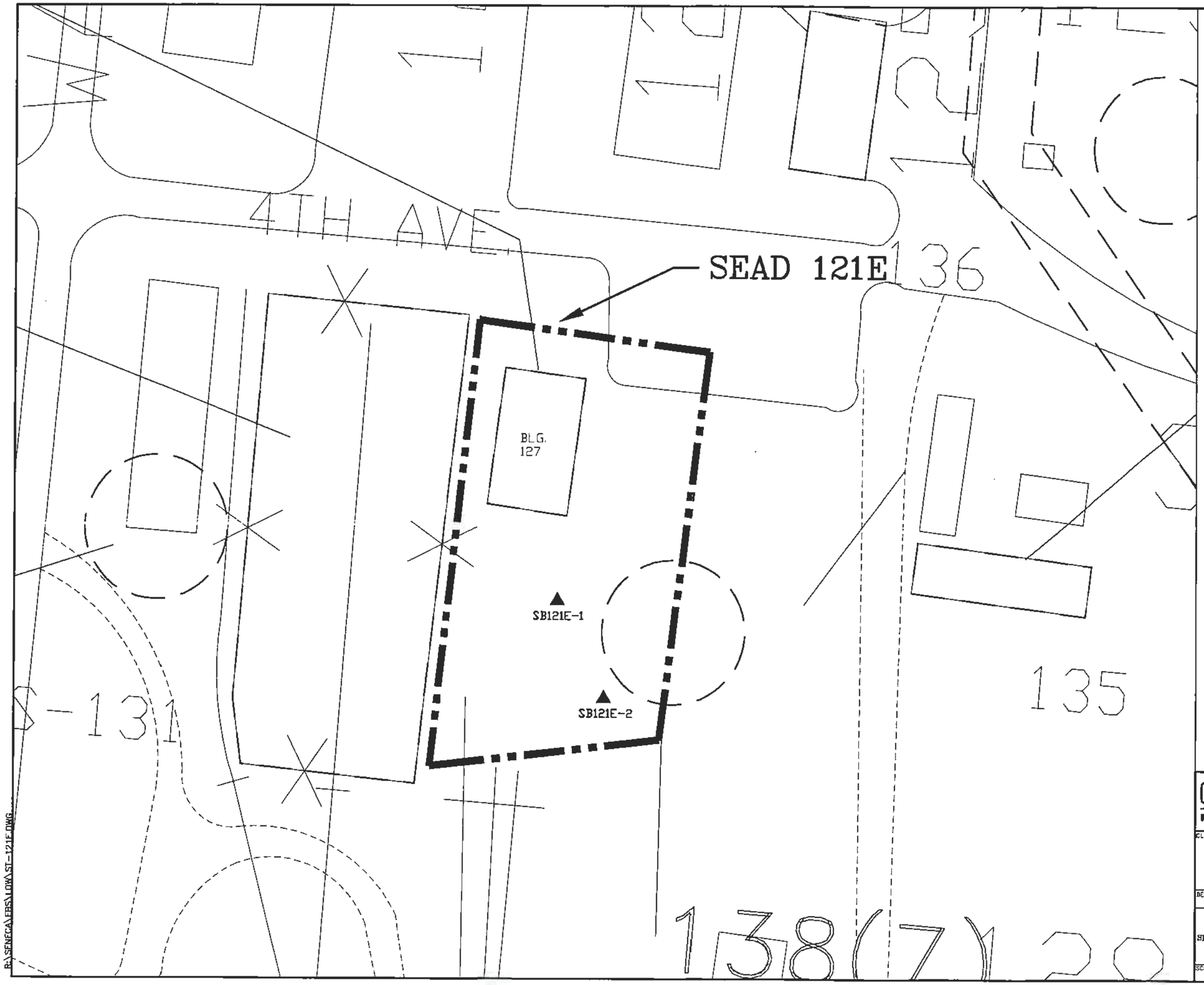
SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT. ENVIRONMENTAL ENGINEERING | Dwg. No.

FIGURE 5-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SEAD-121D
BUILDING 306 AND 308 HAZARDOUS MATERIALS RELEASE

SCALE 1" = 200' | DATE JUNE 1998 | REV NA



N

LEGEND:

▲ SB121E-1 — SOIL BORING

SEAD-121B — NON-EVALUATED ERS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION:
  - PS — PETROLEUM STORAGE
  - PR — PETROLEUM RELEASE OR DISPOSAL
  - HS — HAZARDOUS SUBSTANCE STORAGE
  - HR — HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) — POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)
- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS:
  - A — ASBESTOS-CONTAINING MATERIAL
  - L — LEAD-BASED PAINT
  - P — PCB
  - R — RADON
  - X — UXO AND/OR ORDNANCE FRAGMENTS
  - RN — RADIONUCLIDES
  - (P) — POSSIBLE (UNVERIFIED)

-70 0 70

SCALE: 1" = 70'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

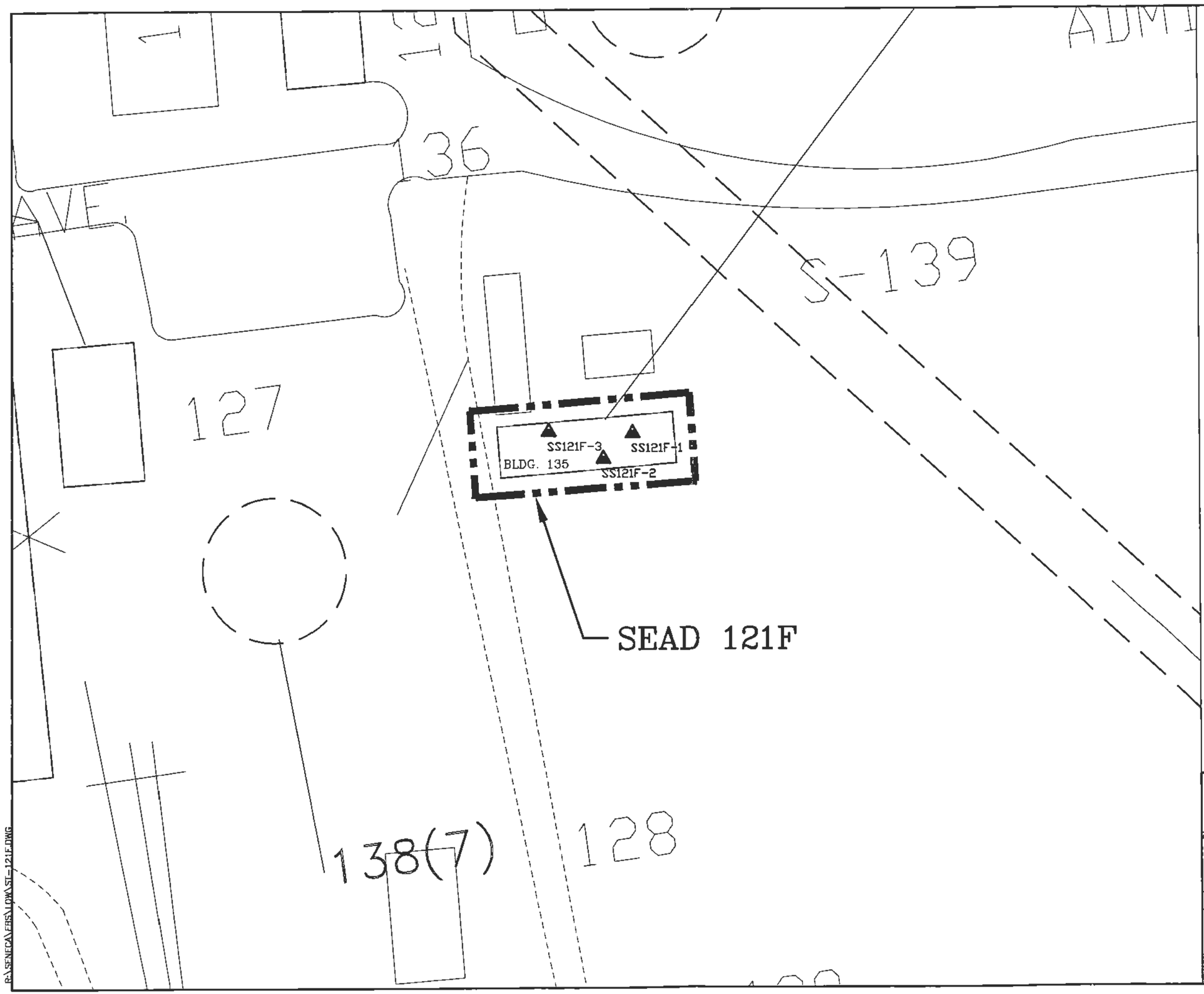
FIGURE 6-1

SITE FEATURES AND SAMPLE LOCATIONS AT ERS SEAD-121E

BUILDING 127 UST PETROLEUM RELEASE

SCALE	DATE	REV
1" = 70'	JUNE 1998	NA

R:\SENECA\ERS\LOWA\ST-121E.DWG



LEGEND:

SS121F-1 — SURFACE SOIL SAMPLE

SEAD-121B — NON-EVALUATED ERS SITE

BRAC PARCEL LABEL DEFINITIONS

B(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS — PETROLEUM STORAGE
  - PR — PETROLEUM RELEASE OR DISPOSAL
  - HS — HAZARDOUS SUBSTANCE STORAGE
  - HR — HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) — POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A — ASBESTOS-CONTAINING MATERIAL
  - L — LEAD-BASED PAINT
  - P — PCB
  - R — RADON
  - X — UXO AND/OR ORDNANCE FRAGMENTS
  - RD — RADIONUCLIDES
  - (P) — POSSIBLE (UNVERIFIED)

-70 0 70

SCALE: 1" = 70'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA army DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 7-1

SITE FEATURES AND SAMPLE LOCATIONS AT ERS SEAD-121F
BUILDING 135 STAINED SOIL

SCALE	DATE	REV
1" = 70'	JUNE 1998	NA

R:\SENECA\ERS\LOW\ST_121F.DWG

S-142

52(5)PR

SEAD 121G

138

137(7)

86(6)PR

BLDG. 126

BLDG. 123

SB121G-2

SB121G-1

ADMINISTRAT

79(6)

136

S-139

127

125

N

LEGEND:

▲ SB121G-1 SOIL BORING

SEAD-121B NON-EVALUATED ERS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION
  - PS PETROLEUM STORAGE
  - PR PETROLEUM RELEASE OR DISPOSAL
  - HS HAZARDOUS SUBSTANCE STORAGE
  - HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
  - (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS
  - A ASBESTOS-CONTAINING MATERIAL
  - L LEAD-BASED PAINT
  - P PCB
  - R RADON
  - X UXO AND/OR ORDNANCE FRAGMENTS
  - RD RADIONUCLIDES
  - (P) POSSIBLE (UNVERIFIED)

-100 0 100

SCALE: 1" = 100'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 8-1

SITE FEATURES, SAMPLE LOCATIONS AND GEOPHYSICAL GRID AT SEAD-121G, RUMORED COAL ASH DISPOSAL AREA

SCALE	DATE	REV
1" = 100'	JUNE 1996	NA

R:\SENECA\FBS\LOWAST-121G.DWG

South Ave.

Building 123

FENCE

Building 126

FENCE

Play Ground Area

Maintenance Area Parking Pad

FENCE

FENCE

FENCE

POWER LINE

Administration Ave.

LEGEND

X Mapped Metallic Surface Object

Metallic Park Bench

Parcel Associated with SEAD-121G

35

25

15

Apparent Ground Conductivity (mS/m)

75 0 75 Feet

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SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
SEAD-121G

Figure : 8-2
Apparent Ground Conductivity

Scale 1"=75 feet

Date July 1998

o:\eng\seneca\avgis\geoplay.apr /app ground cond layout

South Ave.

Building 123

FENCE

Building 126

FENCE

Play Ground Area

Maintenance Area Parking Pad

FENCE

FENCE

FENCE

POWER LINE

Administration Ave.

LEGEND

X Mapped Metallic Surface Object

Metallic Park Bench

Parcel Associated with SEAD-121G

6

0

-6

In-Phase Response (ppt)

75 0 75 Feet

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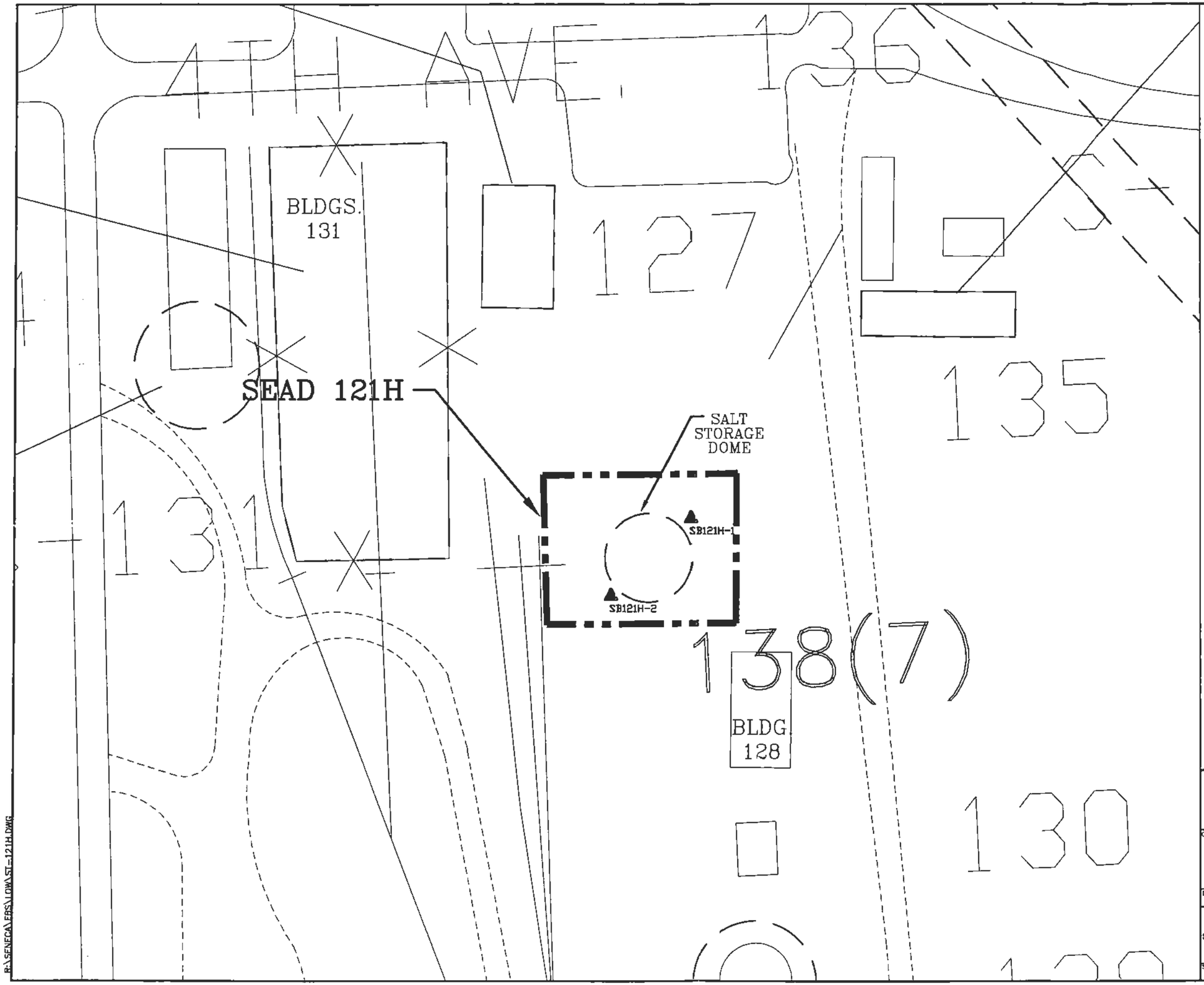
SENECA ARMY DEPOT ACTIVITY
ENVIRONMENTAL BASELINE SURVEY
SEAD-121G

Figure: 8-3
In-Phase Response

scale 1"=75 feet | Date July 1998

h:\eng\seneca\eba\arcview\geoplay.apr /inphase layout



LEGEND:

▲ SB121H-1 — SOIL BORING

SEAD-121B — NON-EVALUATED EBS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION: PS (PETROLEUM STORAGE), PR (PETROLEUM RELEASE OR DISPOSAL), HS (HAZARDOUS SUBSTANCE STORAGE), HR (HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL), (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-19Q-A(P)
- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS: A (ASBESTOS-CONTAINING MATERIAL), L (LEAD-BASED PAINT), V (PCB), R (RADON), X (UXO AND/OR ORDNANCE FRAGMENTS), RN (RADIONUCLIDES), (P) POSSIBLE (UNVERIFIED)

-80 0 80

SCALE: 1" = 80'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	

FIGURE 9-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SEAD-121H
RUMORED COAL DISPOSAL AREA

SCALE	DATE	REV
1" = 80'	JUNE 1996	NA

P:\SENECA\EBS\LOWAST-121H.DWG

76(6)HS/HR(P)

HS(P)/HR(P)

16(2)HS

NEW YORK S

AVE. H

350

AVE. G

130(3)PR/HR(P)

349

348

AVE. F

245

244

345

346

347

SEAD 121I

AVE. E

AVE. E

343

342

341

340

339

374

3RD ST.

4TH ST.

5TH ST.

6TH ST.

7TH ST.

SS121I-1

SS121I-2

SS121I-3

SS121I-4

SD121I-1

SD121I-2

S-335

AVE. C

336

AVE. D

AVE. C

AVE. D

373

332

331

330

329

328

AVE. B

AVE. B

323

324

325

326

327

AVE. A

AVE. A

11(2)HS

12(2)HS

13(3)HS/HR

314

R:\SENECA\EBS\LOWA\ST-121I.DWG

N

LEGEND:

SS121I-1 SURFACE SOIL BORING

SD121I-1 SEDIMENT SAMPLE

SEAD-121B NON-EVALUATED EBS SITE

BRAC PARCEL LABEL DEFINITIONS

8(2)PS

- PARCEL NUMBER
- CATEGORY NUMBER
- CONTAMINATION DESCRIPTION: P PETROLEUM STORAGE; PR PETROLEUM RELEASE OR DISPOSAL; HS HAZARDOUS SUBSTANCE STORAGE; HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
- (P) POSSIBLE (UNVERIFIED)

NON-CERCLA ISSUE (QUALIFIED) LABEL DEFINITIONS

8-190-A(P)

- PARCEL NUMBER
- FACILITY NUMBER (IF APPLICABLE)
- QUALIFIED
- QUALIFIERS: A ASBESTOS-CONTAINING MATERIAL; L LEAD-BASED PAINT; P PCB; R RADON; U UXO AND/OR ORDNANCE FRAGMENTS; X RADIONUCLIDES
- (P) POSSIBLE (UNVERIFIED)

-300 0 300

SCALE: 1" = 300'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ENVIROMENTAL BASELINE SURVEY
INVESTIGATION OF NON-EVALUATED SITES

DEPT. ENVIRONMENTAL ENGINEERING | Drg. No.

FIGURE 10-1

SITE FEATURES AND SAMPLE LOCATIONS AT EBS SEAD-121I
RUMORED COSMOLINE OIL DISPOSAL AREAS

SCALE 1" = 300' | DATE JUNE 1998 | REV NA

APPENDIX A. Soil Boring Logs

LOG OF BORING 121B-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 7/3/98
DATE COMPLETED: 7/3/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.3
DEPTH TO WATER: 4
BORING LOCATION: 750819.9713 ft NORTH
994880.8121 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 739.0833 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
						This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	
EB212	4 8 10 16	1.4	0	0 1 1.4		Brown, SILT, some very fine Sand, little roots, organic material, trace coarse Sand to fine Gravel, trace Cobble. moist.	OL
				2		No Recovery.	
	13 25 30 100/.3	1.5	0	2 3 3.5		OLive gray to yellowish orange, SILT and very fine SAND, little medium Sand, trace coarse Sand, tarce fine to coarse Gravel, trace Cobble, trace iron-oxide nodes, moist, tight Till.	ML
				4		No Recovery.	
EB213	34 40 44 40	0.5	0	4 4.5		Olive gray to yellowish orange, SILT and very fine SAND, little medium Sand, trace coarse Sand, trace fine to coarse Gravel, trace Cobble, trace iron-oxide nodes, moist, tight Till.	ML
				5		No Recovery.	
	13 100/.3		0	6 6.8		No Recovery.	
				7		No Recovery.	
	14 100/.4	0.9	0	8 8.9		Yellowish orenge to light brown, SILT, some fine to coarse Sand, little fine to coarse Gravel, little Cobble.	TL
				9		No Recovery.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121B-1

LOG OF BORING 121B-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 7/3/98
DATE COMPLETED: 7/3/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 11.3
DEPTH TO WATER: 4
BORING LOCATION: 750819.9713 ft NORTH
994880.8121 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 739.0833 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
	100/ 4		0	10		No Recovery.	
				10.4		No Recovery.	
				11			
				11.3		Auger Refusal at 11.3'.	BRK

This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121B-1

LOG OF BORING 121C-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 4.3
DEPTH TO WATER: 2
BORING LOCATION: 997305.3484 ft NORTH
749798.8895 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 729.2438 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRF
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB231	12 14 42 48	1.5	0	0 1 1.2		Brown to Olive Gray SILT, some fine Sand, little medium Gravel, trace Cobble, trace Clay, trace Debris, moist.	FL
						No Recovery	
EB232	28 36 100/.3	1.3	0	2 2 2.9		Olive Gray to Brown Tight SILT, little fine to coarse Sand, little Gravel, trace Cobble, wet to saturated.	TL
				3 3.3		Weathered Shale	BRK
						No Recovery	
	100/.3	0.3	0	4 4.3		Weathered Bedrock	BRK
						End of Boring	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121C-1

LOG OF BORING 121C-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/9/98
DATE COMPLETED: 3/9/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 7.2
DEPTH TO WATER: 2.1
BORING LOCATION: ft NORTH
ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB226	10 12 9 11	1.2	0	0		Dark Gray-Reddish Brown Coarse SAND and fine Gravl, little fine to medium Sand.	FL
				0.7			
				1		Olive Gray SILT, some fine Sand, little coarse Sand, trace fine Gravel, wet.	TL
				1.2		No Recovery	
EB228	9 12 43 100/.3	1.5	0	2 ▽		Olive Gray SILT, some fine Sand, little coarse Sand, trace fine Gravel, wet.	TL
				3			
				3.5		No Recovery	
	85 100/.2	0.7	0	4		Weathered Bedrock	BRK
				4.7		No Recovery	
				5			
				6			
	21 100/.3	0.8	0	6		Weathered Bedrock	BRK
				6.8		No Recovery	
				7			
				7.2		Auger Refusal	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121C-2

Sheet 1 of 1

LOG OF BORING 121C-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/9/98
DATE COMPLETED: 3/9/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 7.7
DEPTH TO WATER: 0.2
BORING LOCATION: ft NORTH
ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB233	11 22 7 11	1.4	0	0 1 1.4		Olive Gray medium to coarse GRAVEL, some fine Gravel, little fine to coarse Sand, trace Cobble, saturated.	FL
				2		No Recovery	
EB234	19 19 16 20	1	0	2 2.8 3		Olive Gray medium to coarse GRAVEL, some fine Gravel, little fine to coarse Sand, trace Cobble, saturated. Dark Gray to Brown SILT, trace medium Sand, trace medium to coarse Gravel, saturated.	FL
				4		No Recovery	
	16 20 24 100/.3	0.8	0	4 4.8		Weathered Bedrock	BRK
				5		No Recovery	
	100/.2	0.2	0	6 6.2		Weathered Bedrock No Recovery	BRK
				7 7.7		Auger Refusal at 7.7'	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121C-3

LOG OF BORING 121C-4

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/9/98
DATE COMPLETED: 3/9/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 7.1
DEPTH TO WATER: 2
BORING LOCATION: 996868.9407 ft NORTH
749628.1538 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 728.1890 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB229	10 14 14 8	1.5	0	0 – 1.5		Dark Gray Gravel and COBBLE, some fine to medium Sand, little coarse Sand, trace SILT, moist.	FL
				1.5 – 2		No Recovery	
EB231	10 8 8 8	2	0	2 – 2.6		Dark Gray Gravel and COBBLE, some fine to medium Sand, little coarse Sand, trace SILT, wet.	FL
				2.6 – 4		Olive Gray to Brown SILT, trace fine Sand, trace roots, organic material.	TL
	30 42 100/.3	1.3	0	4 – 5.3		Olive gray to dark gray SILT, trace Clay, trace coarse Gravel, trace Cobble, trace organics, trace medium to coarse Sand, Saturated.	TL
				5.3 – 6		No Recovery	
	100/.3	0.4	0	6 – 6.4		Weathered Bedrock	BRK
				6.4 – 7.1		No Recovery	
				7.1		Auger Refusal at 7.1'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121C-4

LOG OF BORING 121D-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 3
DEPTH TO WATER: 0.9
BORING LOCATION: 999369.1146 ft NORTH
747882.6307 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 721.9356 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
						DESCRIPTION	
EB220	15	17	0	0		Brown SILT, little fine Sand, trace roots, wet to saturated.	FL
	13						
	18						
EB221	100.2		0	1			
				1.2		Olive gray SILT and fine Sand, little coarse Sand to coarse Gravel, little Cobble, saturated.	TL
				1.9			
	100/.5		0	2		No Recovery	
				2		No Recovery	
				3		Auger Refusal at 3.0'.	TI/BRK

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121D-1

LOG OF BORING 121D-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/8/98
DATE COMPLETED: 3/8/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 5.4
DEPTH TO WATER: 4
BORING LOCATION: 999469.3345 ft NORTH
747872.8964 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 722.2865 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
EB218	5 8 9 12	1.5	0	0		Olive gray to brown SILT, some coarse Gravel, some Cobbles, trace fine Sand, moist.	FL
				1.5		No Recovery	
	18 30 22 22	0.5	0	2		Olive gray to brown SILT, some coarse Gravel, some Cobbles, trace fine Sand, moist.	FL
				2.5		No Recovery	
EB219	15 18 100.2	0.5	0	4		Olive gray SILT, some very fine Sand, little coarse Sand, little fine to coarse Gravel, trace Cobble, saturated.	TL
				4.5		No Recovery	
				5.4		Auger Refusal at 5.4'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121D-2

LOG OF BORING 121D-3

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/11/98
DATE COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 5.9
DEPTH TO WATER: 2.4
BORING LOCATION: 999499.2027 ft NORTH
748148.2246 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 724.7897 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
						This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	
EB222	28 32 16 17	1.8	0	0 1 1.2		Olive gray, GRAVEL, some fine to coarse Sand, little Cobble, trace Asphalt pieces, trace Silt, dry.	FL
				1.8		Brown to olive gray, SILT, and fine Sand, little medium to coarse Sand, tarce medium to coarse Gravel, moist.	TL
				2		No Recovery.	
EB223	30 36 40 46	1.5	0 0	2 3 3.5		Brown to olive gray, SILT and fine sand, little medium to coarse Sand, trace medium to coarse Gravel, wet.	TL
				4		No Recovery.	
	17 18 17 100/.2	1.7	0	4 5 5.7		Brown to olive gray, SILT and fine Sand, little medium to coarse sand, trace medium to coarse Gravel, little Cobble, saturated.	TL
				5.9		No Recovery. Auger refusal at 5.9'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121D-3

LOG OF BORING 121E-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/17/98
DATE COMPLETED: 3/17/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 2.5
DEPTH TO WATER: 1.1
BORING LOCATION: 999162.3325 ft NORTH
750936.1244 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 740.1209 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)		Depth (ft)	Macro Lithology	This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	USCS
							DESCRIPTION	
EB267		1.1			0		Olive gray fine SAND, some fine to coarse Gravel, little Silt, wet.	SM
EB268					1 ▽ 1.1		No Recovery	
					2			
					2.5		End of Boring	

NOTES: Spit Spoon was driven by sledge hammer.

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121E-1

LOG OF BORING 121E-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/17/98
DATE COMPLETED: 3/17/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 8.6
DEPTH TO WATER: 6.7
BORING LOCATION: 999127.1644 ft NORTH
750864.1559 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 743.1674 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
EB256	14	1.5	0	0			
	16			0.3		Olive Gray, SILT, little fine Gravel, trace fine to medium Sand, moist, roots in top 1".	ML
	16					OLive Gray fine to coarse GRAVEL, little Silt, trace fine Sand, moist.	GM
	14			1			
				1.5		No Recovery	
	9	1.1	0	2		Light brown Silt, trace fine to coarse Gravel, trace fien Sand, moist.	ML
	9						
	14						
	20			3			
				3.1		No Recovery	
	8	2	44	4		Olive gray Silt, little fine to coarse Gravel, trace fine Sand, moist.(Petroleum Odor)	ML
	12						
	15						
	29			5			
EB257							
	5	1.4	7	6		Olive Gray SILT, trace fine Gravel, trace fine Sand, moist.	ML
	8						
	100/.5			6.7 ▽			
				7		Olive gray SILT, some fine to coarse Saand, trace fine Gravel, saturated.	ML
				7.1			
				7.4		Olive gray SILT, trace fine to coarse Gravel, trace fine Sand, wet.	ML
				8		No Recovery	
	100/.3						
				8.6		No Recovery	
						Auger Refusal at 8.6'.	

This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121E-2

Sheet 1 of 1

LOG OF BORING 121G-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 7/3/98
DATE COMPLETED: 7/3/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 5
DEPTH TO WATER: 4.4
BORING LOCATION: 998769.4389 ft NORTH
751317.7683 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 741.7422 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
EB214	4	1.5	0	0		Brown, SILT, little fine Sand, trace roots, trace Gravel, moist.	FL
	6						
	6			0.7			
EB215	7			1		Black, orange, and white, layer of gravel size Coal Ash fragments.	FL
				1.2			
				1.5		Brown, SILT, little fine Sand, trace roots, trace Gravel, moist.	FL
						No Recovery.	
				2			
	13	1.8	0			Brown, SILT, little fine Sand, trace Gravel, moist.	FL
	13						
	13			2.8			
	15			3		Yellowish to orange, very fine SAND, some Silt, trace coarse Sand.	FL
				3.8			
				4		No Recovery.	
	13	0.6	0			Yellowish to orange, very fine SAND, some Silt, trace coarse Sand.	FL
	100/.1			4.4			
				4.6		Olive gray, SILT and fine Sand, little coarse Sand, little fine Gravel, trace coarse Gravel, trace Cobble, saturated.	TL
				5		No Recovery.	
						Auger Refusal at 5.0'.	

This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121G-1

LOG OF BORING 121G-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 7/3/98
DATE COMPLETED: 7/3/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 5.8
DEPTH TO WATER: 5.1
BORING LOCATION: 998762.8739 ft NORTH
751344.6764 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 744.8884 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
EB216	4	1.4	0	0		Brown SILT, little fine Sand, trace coarse Sand to fine Gravel, moist.	FL
	8						
	12						
EB217	12		0	0.9			
				1		Gray to Brown to Orange to Black Gravel size fragments of COAL ASH, moist.	FL
				1.4		No Recovery	
				2			
	30	0.5	0			Brown SILT, little fine Sand, trace coarse Saand to fine Gravel, moist.	FL
	38			2.5		No Recovery	
	38						
	42			3			
				4			
	15	1.3	0			Olive gray to yellowish Orange SILT, some fine to coarse Sand, little fine to coarse Gravel, Ironoxide nodes, wet to saturated.	TL
	16						
	15						
	100/.2			5 ▽			
				5.3		No Recovery	
				5.8		Auger Refusal at 5.8'.	

This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121G-2

LOG OF BORING 121H-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/16/98
DATE COMPLETED: 3/16/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 9.2
DEPTH TO WATER:
BORING LOCATION: 999025.081 ft NORTH
750752.5813 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 741.3367 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
EB254	14 28 36 28	2	0	0 0.7 0.9 1 2		Light Brown fine to coarse Sand, little Fine Gravel, trace Silt, wet. Dark gray COAL, some Gravel, dry. Olive gray SILT and Gravel, moist.	SW ML
	28 28 23 21	1	0	2 3		Olive gray fine to coarse GRAVEL, little Silt, little fine Sand, moist.	GM
				4		No Recovery	
	11 15 18 21	1.5	0	4 5 5.5		Light brown SILT, little, fine to coarse Gravel, trace fine to coarse, Sand, moist.	ML
				6		No Recovery	
EB255	4 10 18 22	2	0	6 7 8		Light Brown SILT, little fine to coarse Gravel, trace fine to coarse Sand, moist. Zone from 6.9' to 7.5' is stained dark gray and includes coal ash fragments.	ML
	22 40 100/.2	1.2	0	8 9 9.2		Light brown SILT, little fine to coarse Gravel, trace Sand, moist. Auger Refusal at 9.2'.	ML

This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING 121H-1

LOG OF BORING 121H-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
DATE STARTED: 3/16/98
DATE COMPLETED: 3/16/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 7.7
DEPTH TO WATER:
BORING LOCATION: 999094.7882 ft NORTH
750689.3504 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 740.7130 ft
ELEVATION DATUM: NAVD88
INSPECTOR: MW
CHECKED BY: ITR

Sample Number	Blow Counts (# Blows per 6")	Sample Recovery	VOC Screen-PID (ppm)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
				0		This log is part of a report prepared by Parsons Engineering-Science, Inc. for the named company and should be read together with the report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.	
EB252	23 23 23 23	1.5	0	0.5		Olive gray fine to coarse SAND, some fine to coarse Gravel, trace Silt, wet.	SW
				1.5		Dark gray fine to coerse GRAVEL, little fine to coarse Sand, little Silt, moist.	GM
				2		No Recovery	
	15 15 23 15	1.3	0	3.3		Light Brown fine to coarse GRAVEL, trace fine to coarse Sand, little Silt, moist.	GM
				4		No Recovery	
	6 17 20 30	2	0	6		Light Brown Silt, some fine to coarse Gravel, little fine Sand, moist.	ML
EB253	7 53 100/.3	1	0	7		Light brown SILT, little fine Gravel, little fine Sand, moist.	ML
				7.7		No Recovery	
						Auger Refusal at 7.7'.	

NOTES:

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

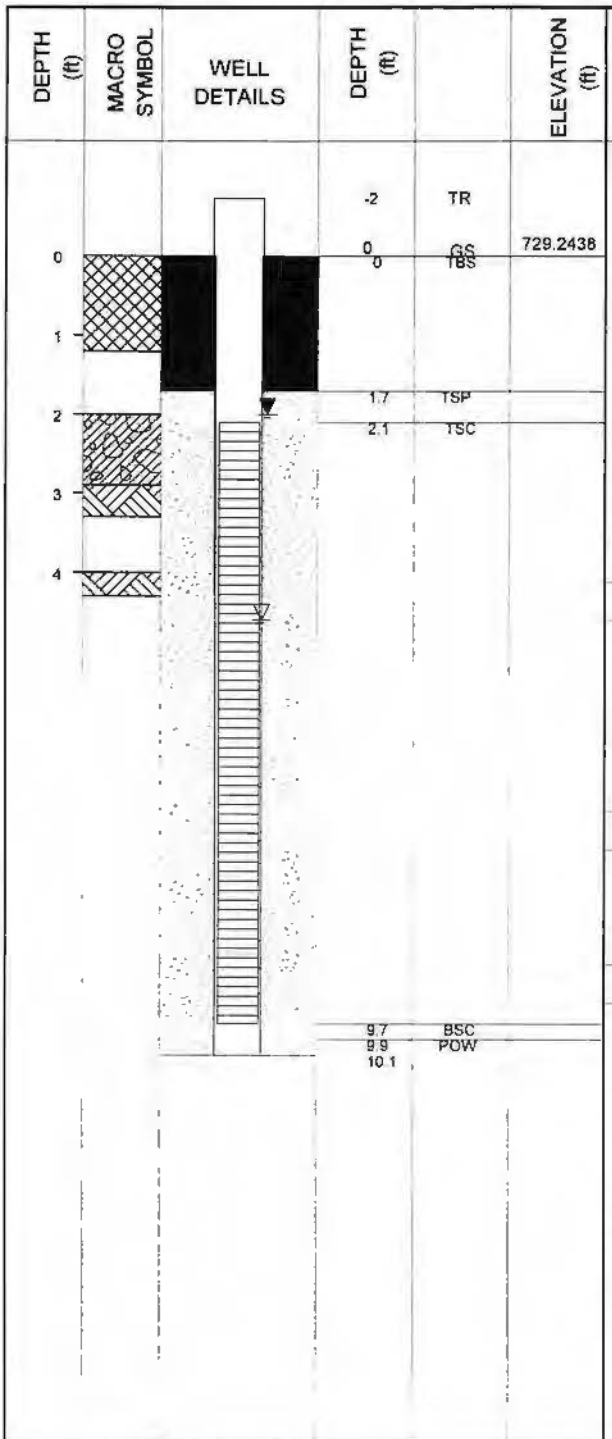
LOG OF BORING 121H-2

APPENDIX B. Well Construction Diagrams

TEMPORARY WELL COMPLETION REPORT: 121C-1

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
WELL INSTALLATION STARTED: 3/11/98
WELL INSTALLATION COMPLETED: 3/11/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 4.3
DEPTH TO WATER: 2
BORING LOCATION: 997305.3484 ft NORTH
749798.8895 ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: 729.2438 ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRF
CHECKED BY: ITR



WELL CONSTRUCTION DETAILS

RISER
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft):

SCREEN
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 7.8
Slot Size (in): 0.10

SEAL
Type: BENTONITE
Length (ft): 1.7

SANDPACK
Type: #1
Length (ft): 8.2

WELL DEVELOPMENT DATA

Date: 3/9/98
Method: PERISTALTIC PUMP
Duration: NA
Rate: NA
Total Volume Removed (gals): 3.1

WATER LEVELS

	Date	Time	Depth, TR
Development	3/9/98	1410	4.6
Installation	3/11/98	1530	2

LEGEND

TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
POW	POINT OF WELL
BOD	BOTTOM OF DRILL HOLE
in	INCHES
ft	FEET
ID	INSIDE DIAMETER
gals	GALLONS
SCH	SCHEDULE
NA	NOT APPLICABLE

WELL DETAILS: SEAL, SANDPACK

LITHOLOGY: FILL, SHALE, TILL, BEDROCK

NOTES: Temporary Well development consisted of removal of 3-5 well volumes.

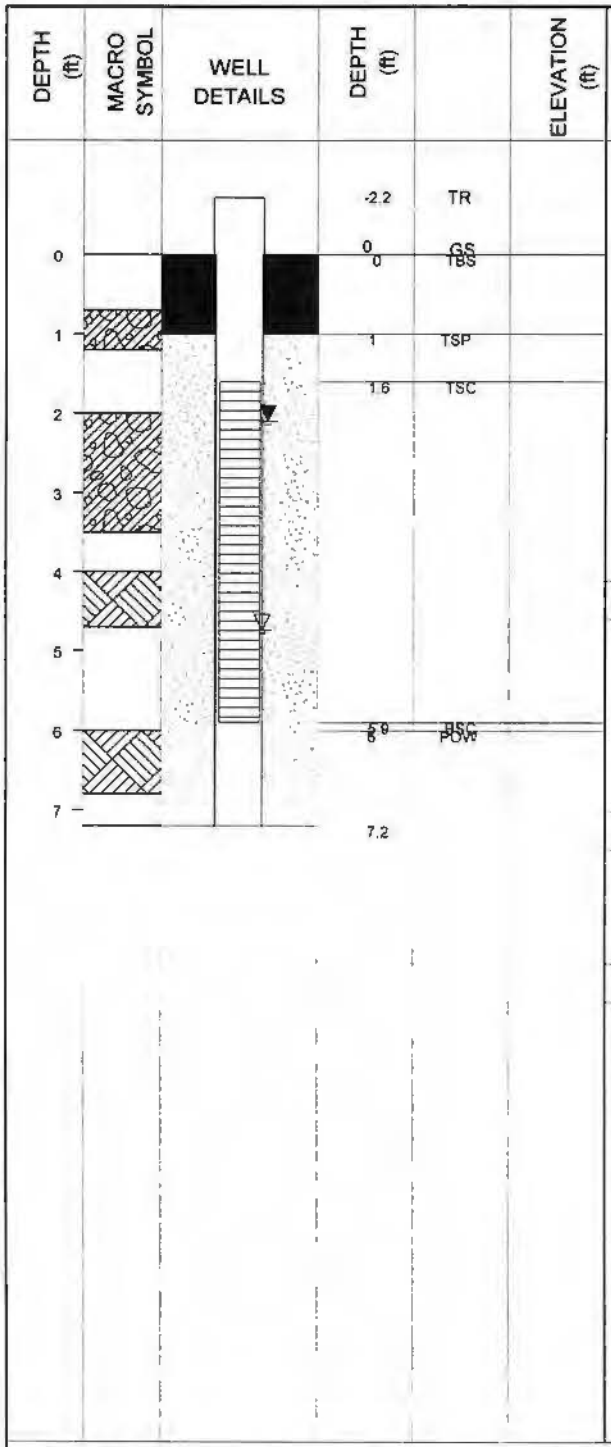
UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

TEMPORARY WELL
COMPLETION REPORT: 121C-1

TEMPORARY WELL COMPLETION REPORT: 121C-2

PROJECT: Seneca Non-evaluated EBS Sites
PROJECT LOCATION: Seneca Army Depot, Romulus, New York
ASSOCIATED AREA/UNIT: SEAD 121
PROJECT NO: 733193-01001
WELL INSTALLATION STARTED: 3/9/98
WELL INSTALLATION COMPLETED: 3/9/98
DRILLING CONTRACTOR: Nothnagle
DRILLING METHOD: HSA 8"
SAMPLING METHOD: Split Spoon

TOTAL DEPTH: 7.2
DEPTH TO WATER: 2.1
BORING LOCATION: ft NORTH
ft EAST
COORDINATE SYSTEM: NAD83
GROUND SURFACE ELEVATION: ft
ELEVATION DATUM: NAVD88
INSPECTOR: DRG
CHECKED BY: ITR



WELL CONSTRUCTION DETAILS

RISER
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft):

SCREEN
Diameter (ID) (in): 2
Type: SCH.40 PVC
Length (ft): 4.4
Slot Size (in): 0.10

SEAL
Type: BENTONITE
Length (ft): 1

SANDPACK
Type: #1
Length (ft): 5

WELL DEVELOPMENT DATA

Date: 3/10/98
Method: PERISTALTIC PUMP
Duration: NA
Rate: NA
Total Volume Removed (gals): 1.1

WATER LEVELS

	Date	Time	Depth, TR
Development	3/10/98	1430	4.74
Installation	3/9/98	0740	2.1

LEGEND

TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
POW	POINT OF WELL
BOD	BOTTOM OF DRILL HOLE
in	INCHES
ft	FEET
ID	INSIDE DIAMETER
gals	GALLONS
SCH	SCHEDULE
NA	NOT APPLICABLE

WELL DETAILS: SEAL, SANDPACK

LITHOLOGY: FILL, SHALE, TILL, BEDROCK

NOTES: Temporary Well development consisted of removal of 3-5 well volumes.

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

TEMPORARY WELL
COMPLETION REPORT: 121C-2

APPENDIX C. Chemical Analyses Data Qualifiers and QC Samples

Laboratory Qualifiers for Chemical Data

(not all qualifiers apply)

Organics Qualifiers (GC/HPLC)

U	Indicates compound was analyzed for but not detected above the reporting limits
J	Indicates an estimated value. This flag is used when the result is less than he reporting limit, but greater than or equal to one half the reporting limit.
P	This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25.0% difference for detected concentrations between the two analytical columns. The lower of the two values is reported on the Form I and flagged with a P .
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag applies when the analyte is found in the associated method blank as well as in the sample. It indicates a possible/probable blank contamination and warns the data user to take appropriate action. On the samples get a B flag. The method blank does not.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor. This flag alerts the data users that any discrepancies between the concentrations reported for the dilutions may be due to dilution of the sample extract. It additionally indicates that spike recoveries may have been diluted below quantifiable levels.
E	This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of calibration range, the extract shall be diluted and re-analyzed.
Y	Laboratory-defined flag for semivolatile reporting. Qantitation of benzo(b/k)fluoranthene is based on the combined instrument response of the unresolved isomer peaks. The combined response has been quantified as benzo(b)fluoranthene.
Z	The reported result is based on the combined response from coeluting compounds.