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Ms. Laura Ripley
U.S. EPA, Office of Superfund
Response Section 3, SE-4J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Targeted Brownfield Assessment
Newark Processing
Newark Ohio
40^0 03' 35" N
82^0 21' 05" W

RECEIVED
MAY 17 2005
OHIO EPA

Dear Ms. Ripley:

The Ohio EPA Division of Emergency and Remedial Response has completed the Targeted Brownfield Assessment (TBA) of the Newark Processing site. The focus of this TBA was to assisted the city of Newark and their Certified Professional (CP) Civil and Environmental Consultants, Inc. in implementing a phase II assessment of the site.

In October of 2003, the Ohio EPA received the application for a Subsidized Targeted Brownfield Assessment from the city of Newark. A copy of the application is attached. The city of Newark meets the federal definition of a brownfield as it is a real property, the expansion, redevelopment, or reuse of which may be complicated by the presence of potential presence of a hazardous substance, pollutant, or contaminant. None of the exclusions listed in Title II, Section 211 (a)(39)(B) of the H.R. 2869 Small Business Liability Relief and Brownfield Revitalization Act apply to this property.

The phase II work plan was developed Civil and Environmental Consultants, Inc. (CEC) in October of 2003. The application and work plan were submitted to USEPA Region 5 on January 23, 2004. The site was approved for TBA funding on February 6, 2004.

Site Description

The Newark Processing site is located at 1367 - 1601 East Main Street in Newark, Licking County, Ohio. The site is approximately 25 acres and lies directly adjacent to the main stem of the Licking River. Shawnee Run, a small tributary, runs through the site. From 1980 to 1996, the facility was used to process aluminum dross, via a wet mill system, to recover additional aluminum. Aluminum dross fines are a by-product of the process. It is estimated there is between 550,000 and 750,000 tons of dross and dross fines currently stockpiled on-site.

There are 7 identified areas within the Newark Processing site as described below. The identified areas can also be seen on Figure 1.

Identified Area	Location
1	Main Plant Area
2	West Stockpile
3	South Stockpile
4	East Stockpile
5	Boneyard
6	Ground Water
7	Septic Tank and Leach Field

TBA Activities

Because the scope of the phase II was extensive, only a portion of the work was completed under the TBA. The following is a time line of TBA activities for the Newark Processing site in 2004.

March: The Ohio EPA reviewed the work plan and met with CEC . The biological assessment portion of the Phase II was given to Ohio EPA Division of Surface Water (DSW), who produced a work plan for the fish and macro-invertebrate assessment.

March 11: The Ohio EPA, CEC and the city of Newark met on-site for site walk over.

April: Ohio EPA received the revised work plan from CEC. The Ohio EPA prepared the site specific Health and Safety Plan and submitted it to USEPA.

June 22-24: Soil and waste samples were collected from four identified areas as shown in the table below. The background soil samples were also collected. All of the soil and waste samples, with exception of the Boneyard and the background, were collected using the Ohio EPA's Geoprobe®. On the south pile, there were approximately 20 additional geoprobe® boring locations to obtain the depth of waste. GPS coordinates were collected at all the locations.

Identified Area	Location	No. of Samples
1	Main Plant	6 surface & 6 deep soil
3	South Stockpile	14 soil at waste/soil interface 14 waste (random depths)
5	Boneyard	7 surface soil
7	Septic Tank and Leach Field	3 deep soil
	Background	12 surface soil

July 6-7: The Ohio EPA collected 5 surface water samples from Shawnee Run and 4 surface water samples from the Licking River. The first of two rounds of fish evaluation was conducted and the macro-invertebrate samplers were set in both the Licking River and Shawnee Run.

July 26-28: The Ohio EPA assisted CEC in collecting soil and waste samples form the East and West stockpiles. The analysis costs did not come from the TBA.

August 4: The Ohio EPA assisted CEC in the first round monitoring well sampling. Ten monitoring well samples were collected. The analysis costs did not come from the TBA.

August 17-18: The Ohio EPA DSW collected 5 surface water and 5 sediment samples from Shawnee Run. The macro-invertebrate samplers were collected and the second fish evaluation was conducted. On the Licking River, 3 surface water and 3 sediment samples were collected.

August 24: The Ohio EPA DSW collected the macro-invertebrate samplers and the second fish evaluation was conducted in the Licking River.

August 30: The Ohio EPA assisted CEC in the second round monitoring well sampling. Ten monitoring well samples were collected. The analysis costs did not come from the TBA.

All the samples were submitted to Kemron Environmental Services for chemical analysis. The analytical results are Ohio EPA VAP certified, where applicable. All sample results will be forwarded to CEC, who will analyze the data and produce a full Phase II report. The Ohio EPA DSW is preparing the biological assessment report, and will forward it to CEC for incorporation into the phase II.

Sincerely,

Wendy Vorwerk

Wendy Vorwerk
Site Investigator
Division of Emergency & Remedial Response

attachments

cc: Fred Myers, Site Coordinator DERR-CDO
Jessica Page, DERR-CO
Kevin Clouse, DERR-CO
Jeff Wander, DERR-CO

PHASE II PROPERTY ASSESSMENT

FORMER NEWARK PROCESSING FACILITY
NEWARK, OHIO

Prepared for

City of Newark, Ohio

CEC Project No. 040-358

June 2005

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1.0 PRIOR PHASE I AND PHASE II ASSESSMENTS

1.1 Phase I Property Assessments

The VAP Phase I assessment of the Newark Processing Company property (the Property) was completed by Jeffrey P. Hullinger, Certified Professional (CP) #214, in June 2005. No non-VAP Phase I assessments have been used in developing this No Further Action (NFA) Letter.

The Phase II assessment field activities were conducted between May 2004 and January 2005 by CEC personnel in conjunction with Ohio EPA personnel from their Site Investigation Field Unit (SIFU), and Ohio EPA's subcontractor, Tetra-Tech, EMI (Tetra-Tech). The shallow groundwater monitoring wells were installed under the supervision of Stacy DeLaReintrie of Tetra-Tech, and the deep well (MW-8D) was installed under the supervision of Dustin Reed of Tetra-Tech. Direct-push borings were installed under the supervision of Wendy Vorwerk, Jeff Wander and Sam Yebaille of SIFU, and Shay Beanland Turner, Ron Wells and Colin Flaherty of CEC. Background soil samples were collected by Ed Link and Fred Myers, members of SIFU, Sediment and surface water samples were collected from the Licking River and Shawnee Run by Dave Alfater and Mike Gray of Ohio EPA. Groundwater samples were collected by Wendy Vorwerk of SIFU, and Dave Crayne of CEC. Waste and soil samples from the identified areas were collected by Wendy Vorwerk of SIFU, and Shay Beanland Turner and Colin Flaherty of CEC. The Phase II assessment report was prepared by Jeff Hullinger (CP), Ron Wells and Shay Beanland Turner.

1.2 Non-VAP Phase II Property Assessments

In June 1998, consultants contracted to the bankruptcy trustee (URS Greiner Woodward Clyde, or URS) prepared a Work Plan for a focused sampling effort. The objective of the sampling program was to collect data regarding characteristics of dross piles present on the Property.

CEC reviewed the final report submitted by URS following the implementation of the sampling plan. Four dross samples were submitted for TCLP metals analysis. TCLP leachate results were below the corresponding hazardous characteristic criteria for all constituents, in all four samples. Filtered groundwater samples, collected from Geoprobe holes within the dross pile areas, exceeded maximum contaminant levels for chromium, barium, cadmium, nickel, and

selenium, as well as for fluoride. Detection limits for many of the parameters prevented a useful comparison of concentrations to applicable criteria.

A follow-up report by URS addressed stormwater run-off sampling. Dissolved-sample analysis results exceeded drinking water MCLs for lead in one sample, and ammonia-nitrogen concentration in one runoff sample exceeded 400 mg/L.

In June 2001, Ohio EPA transmitted to U.S. EPA a letter report summarizing Ohio EPA's sampling and analysis program aimed at evaluating whether the site scores high enough to warrant further investigation through the CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) program. In addition to using data from the URS study, Ohio EPA reported the analysis of six dross pile samples using X-ray fluorescence (XRF), along with two or three soil samples (records were somewhat unclear). XRF is a semi-quantitative method for metals analysis.

Based upon the semi-quantitative XRF analysis, one of the dross samples appears to have greatly exceeded the VAP industrial direct-contact standard for lead, at 10.6 mass percent (106,000 ppm). Reported chromium concentrations were as high as 18,000 ppm, arsenic as high as 110 ppm, barium as high as 10,000 ppm, cadmium as high as 290 ppm, nickel as high as 3,800 ppm, and zinc as high as 28,000 ppm. The locations of these samples were not specified. Notwithstanding these reported concentrations, the follow-up from U.S. EPA identified the site decision as NFRAP/Archive (no further remedial action planned).

2.0 IDENTIFIED AREAS

A total of seven Identified Areas are present on the Property, based upon the Phase I Property Assessment and subsequent discussions with representatives of the Oho EPA. These are:

1. Main plant process area
2. West stockpile area
3. South stockpile area
4. East stockpile area
5. Small boneyard north of the main plant
6. Site-wide groundwater as a source of contaminants to the Licking River
7. Septic tank and associated leachfield

These areas are shown on Figure 1. All of these Identified Areas have been evaluated in this Phase II Property Assessment.

Sediment samples were collected from the surface water body (Shawnee Run) flowing through the Property, and from the Licking River, which forms the southern boundary of the Property. Surface water samples were also collected from both of these surface water bodies. Soil samples were collected from all of the IAs, with the exception of site-wide groundwater. Waste samples were collected from the three waste piles (IAs 2, 3 and 4). Soil samples were also collected from beneath the waste piles. Groundwater was evaluated relative to the entire Property. Table 1 provides a summary of the sampling program conducted for the Property.

2.1 Main Plant Area

The Main Plant Area includes the former processing area including the area around the main plant buildings, the dross processing silos, and the holding ponds. All of the buildings and other aboveground structures were taken down to the concrete foundation walls in October 2004, and the building materials were taken off-site for disposal or recycling. Pictures of the demolition are included in Appendix A.

2.2 West Stockpile Area

The West Stockpile area consists of a pile of aluminum dross and is located approximately 400 feet west of the Main Plant area just south of the railroad lines. This stockpile appears to be situated on top of weathered asphalt, is roughly rectangular in shape, and measures approximately 75 by 150 feet, by five feet in height. The volume of the dross in this IA is roughly 9,250 cubic yards. Based on the initial results of the waste pile sampling which showed the presence of dioxins at or above the method detection limits, a fence was erected around the West Stockpile to prevent exposure to the waste materials. See Appendix A.

2.3 South Stockpile Area

The South Stockpile area is composed of aluminum dross materials which may have been processed through the plant based on the finer-grained texture of the materials and lack of foreign objects (steel, scrap, wood, etc.) that are observable on the surface of the other piles. The South Stockpile is located south of the Main Plant area and is bordered to the south and west by Shawnee Run, and to the east by the Licking River. This pile is irregular in shape, and measures approximately 200 feet by 400 feet with a variable thickness. The volume of dross materials in the South Stockpile is estimated at approximately 152,000 cubic yards.

2.4 East Stockpile Area

The East Stockpile area appears to be unprocessed dross based on the more heterogeneous appearance of the dross and the presence of observable foreign materials. The East Stockpile is located east of the Main Plant and south of the railroad lines. This pile is the largest of the three dross piles and measures approximately 250 feet by 300 feet, with a variable thickness. The volume of the East Stockpile is estimated at approximately 169, 000 cubic yards.

2.5 Boneyard Area

The Boneyard area is located northwest of the Main Plant area and is described in the Phase I Property Assessment report as "containing some empty containers and rusted equipment". There is also an old dilapidated storage trailer in this area, which was empty during the Phase II investigations activities. Much of the area is overgrown with vegetative cover around and through the old equipment and containers.

2.6 Site-Wide Groundwater

Site-wide groundwater is an identified area as it poses a potential source of contamination to the Licking River and to its tributary, Shawnee Run. These contaminants may be a result of leaching from the dross piles and other sources, former spills of raw materials and waste materials to the soil during the site operations, or possibly from off-site sources. Shallow groundwater is in direct hydraulic communication with the Licking River, discharging to the river during times of low river flow and potentially being recharged during periods of high river flow.

2.7 Septic Tank and Leach Field

The former septic tank and leach field was reportedly located north of the Main Plant area. The septic tank reportedly received sanitary wastewater from the bathrooms used by facility employees during active operation.

3.0 DESCRIPTION OF SAMPLING PROGRAM

The discussions in this section are limited to sampling and analysis activities. Following the VAP NFA Letter Checklist Form, the discussion of data analysis is presented later in this report (Section 6.0). A summary of the sampling activities conducted for all of the identified areas is presented in Table 1. More specific details are included in Table 2. Sampling locations for all of the samples are shown on Figure 2. All of the samples collected and analyzed as part of this assessment were analyzed by VAP approved laboratories, as shown on Table 3. Selected samples collected from the waste piles were analyzed for dioxins; at the time of this investigation, there were no Ohio VAP-certified laboratories certified for dioxin analysis. Appendix B includes complete laboratory data packages, and Appendix C includes affidavits from the certified laboratory used for the analytical work.

3.1 Identified Area #1: Main Plant Process Area

Surface soil samples (MP-SS-1 through MP-SS-6) and subsurface soil samples (MP-GP-1 through MP-GP-6) were collected from six locations in the Main Plant area, and analyzed for volatile organic compounds (VOCs), and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, lead, nickel, selenium and zinc. A duplicate sample of MP-GP-3 was also collected and is identified as MP-GP-7.

All of the soil samples from this IA were collected with a direct-push drilling rig equipped with a new dedicated acetate liner. To assure that the acetate liner was not contributing any COCs to the samples, a rinsate blank sample (MP-GP-Rinse3) was collected.

3.2 Identified Area #2: West Stockpile Area

Identified Area #2 was characterized through the collection and analysis of twelve dross material samples (WP-GP-xxxW) and six subsurface soil samples (WP-GP-xxxS). Dross material sampling locations were chosen based on gridding the pile and a random selection of twelve grids. Subsurface soil samples were collected from the dross/soil interface beneath the pile.

All dross material and soil samples in this IA were collected using the direct-push equipment and new dedicated acetate liners. Duplicate samples of the dross materials were collected from two locations (WP-GP-291W and WP-GP-90W); these samples are designated with a "V' at the end of the sample identification number. Duplicate samples of the subsurface soil samples were collected at one location (WP-GP-255S); this sample is designated with an "R" at the end of the sample identification number.

All soil and dross material samples from the West Stockpile were submitted for analysis of volatile organic compounds (VOCs), and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, lead, nickel, selenium and zinc. Three of the dross samples (WP-GP-478W, WP-GP-241W and WP-GP-126W) were submitted for analysis of dioxins. With the exception of the samples submitted for analysis of dioxins, all of the samples were analyzed by an Ohio VAP-certified laboratory.

3.3 Identified Area #3: South Stockpile Area

Identified Area #3 was characterized through the collection and analysis of twelve dross material samples (SP-GP-xxxW) and twelve subsurface soil samples (SP-GP-xxxS). Dross material sampling locations were chosen based on gridding the pile and a random selection of twelve grids. Subsurface soil samples were collected from the dross material/soil interface beneath the pile.

All dross material and soil samples in this IA were collected using the direct-push equipment and new dedicated acetate liners. A duplicate sample of the dross material was collected from one location (SP-GP-17W); this sample is designated with a "V' at the end of the sample identification number. A duplicate of the subsurface soil sample were collected at one location (SP-GP-17S); this sample is designated with an "R" at the end of the sample identification number.

All soil and dross material samples from the South Stockpile were submitted for analysis of volatile organic compounds (VOCs), and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, lead, nickel, selenium and zinc. Three of the dross samples (SP-GP-13W, SP-GP-22W and SP-GP-21W) were submitted for

analysis of dioxins. With the exception of the samples submitted for analysis of dioxins, all of the samples were analyzed by an Ohio VAP-certified laboratory.

3.4 Identified Area #4: East Stockpile Area

Identified Area #4 was characterized through the collection and analysis of twelve dross material pile samples (EP-GP-xxxW) and twelve subsurface soil samples (EP-GP-xxxS). Dross material sampling locations were chosen based on gridding the pile and a random selection of twelve grids. Subsurface soil samples were collected from the dross material/soil interface beneath the pile.

All dross material and soil samples in this IA were collected using the direct-push equipment and new dedicated acetate liners. A duplicate sample of the dross material was collected from one location (EP-GP-15W); this sample is designated with a "V' at the end of the sample identification number. A duplicate of the subsurface soil sample were collected at one location (EP-GP-14S); this sample is designated with an "R" at the end of the sample identification number.

All soil and dross material samples from the East Stockpile were submitted for analysis of volatile organic compounds (VOCs), and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, lead, nickel, selenium and zinc. Three of the dross material samples (EP-GP-9W, EP-GP-18W and EP-GP-26W) were submitted for analysis of dioxins. With the exception of the samples submitted for analysis of dioxins, all of the samples were analyzed by an Ohio VAP-certified laboratory.

Figure 2 shows sampling locations and Tables 1 and 2 summarize the sampling program for this identified area.

3.5 Identified Area #5: Boneyard North of Main Plant

Surface soil samples (BY-SS-1 through BY-SS-6) were collected from six locations in the Boneyard area, and analyzed for volatile organic compounds (VOCs), and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium,

lead, nickel, selenium and zinc. A duplicate sample of BY-SS-1 was also collected and is identified as BY-SS-7.

All of the soil samples from this IA were collected with a stainless steel hand towel which was decontaminated between sampling locations. To assure that the trowel was not contributing any COCs to the samples, a rinsate blank sample (BG-Rinse2) was collected.

3.6 Identified Area #6: Site-wide Groundwater

Section G of the NFA Letter Form addresses groundwater, and requires Property-specific information regarding the groundwater at the Property, including lithologies, boring logs, well construction diagrams, yield determination, and groundwater flow directions. Appendix C to this Phase II report includes a Geology and Hydrogeology Summary that addresses the requirements of NFA Letter Form Section G.

Groundwater quality was assessed for all of the Identified Areas through the installation and sampling and analyses of groundwater samples. The results of groundwater sampling were also used to assess the potential impacts from off-site sources. As shown on the groundwater flow maps in Section G, MW-1 and MW-3 are upgradient wells, and all of the other wells are downgradient of at least one identified area. The groundwater-related pathways are addressed in the Pathway Completeness Analysis included in Appendix A. Groundwater results are discussed in detail in Section 4.7. Tables 1 and 2 summarize the groundwater sampling program, and well locations are shown on Figure 2.

Eleven monitoring wells (MW-1 through MW-11) were installed into the first water-bearing zone across the Property. One monitoring well (MW-8D) was installed into the next deeper water-bearing zone. The locations of all of the wells are shown on Figure 2.

All of the monitoring wells were sampled using low-flow sampling methods to minimize the potential need to collect unfiltered groundwater samples. Samples for VOC analysis were collected using dedicated disposable bailers. All other samples were collected using a decontaminated submersible pump and dedicated discharge tubing. Based on the turbidity readings collected during the monitoring well purging, field filtering was necessary for all of the monitoring well samples during both of the sampling events. All of the groundwater samples

were analyzed for VOCs, and total inorganics including ammonia, cyanide, dissolved solids (TDS), fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc.

Groundwater samples were collected from the ten shallow monitoring wells (MW-1 through MW-10) during two sampling events, August 4-5 and August 31, 2004. All of the samples were analyzed for VOCs, and inorganics including ammonia, cyanide, dissolved solids (TDS), fluoride, nitrate, nitrite, and dissolved metals including aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc. The deep monitoring well (MW-8D) was installed later in 2004 and sampled for ammonia on December 3, 2004.

Duplicate groundwater samples were collected during both of the sampling events from monitoring well MW-8. The duplicate sample is identified as MW-8S. Matrix spike and matrix spike duplicates were collected from MW-2 during the August 4-5 event. Also, a rinsate sample was collected from the submersible pump used to purge and sample the wells during the August 4-5 event.

3.7 Identified Area #7: Septic Tank and Leach Field

Three direct-push borings (STLF-GP-1 through STLF-GP-3) were installed in the Septic Tank and Leach Field area to determine if historic uses of this area had a measurable impact on the subsurface soils in this area. No visual evidence of the location or existence of the former tanks and leach field was observed in the field; therefore all of the borings were terminated at 8 feet below grade. Soil samples were collected continuously in all of the borings. Subsurface soil samples were submitted for analysis of VOCs to an Ohio VAP-certified laboratory.

3.8 Surface Water

Surface water onsite was evaluated by collecting and analyzing surface water samples from Shawnee Run. Four surface water samples (SR-SW-1 through SR-SW-4) were collected on July 7, 2004 at the four locations along the stream segment as shown on Figure 2. Samples SRSW-01B through SRSW-04B were collected at the same locations on August 18, 2004. All of the samples were analyzed for VOCs, hardness, and total inorganics including ammonia,

cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc.

Surface water quality off-site was evaluated by collecting and analyzing surface water samples from the Licking River. Four surface water samples (LR-SW-01 through LR-SW-04) were collected on July 7, 2004 at the approximate locations shown on Figure 2. Samples LRSW-01B through LRSW-03B were collected on August 18, 2004 at the same approximate locations. All of the samples were analyzed for hardness and total inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc.

All surface water samples were collected using the laboratory supplied bottles directly from the surface water body. No intermediate containers were utilized for the sample collection; therefore no decontamination or rinsate blanks samples were necessary. All of the surface water samples were analyzed by a VAP certified laboratory. The surface water sampling program is presented in Tables 1 and 2; sampling locations are shown on Figure 2.

3.9 Sediments

Sediment samples were collected from Shawnee Run and the Licking River in the same approximate locations as the surface water samples. Sediment samples were collected by Ohio EPA SIFU personnel from Shawnee Run (SRSE-01 through SRSE-05). All of these samples were analyzed for VOCs, and inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc.

Sediment samples collected from the Licking River (LRSE-01 through LRSE-03) were also collected by Ohio EPA SIFU personnel. All of these samples were analyzed for inorganics including ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc.

All of the samples were analyzed by an Ohio EPA VAP-certified laboratory. Sample locations are shown on Figure 2.

3.10 Background Soil Sampling

Surface soil samples were collected at twelve locations (BG-1 through BG-12) on the Property in an undeveloped area west of the former industrial operations. All of the samples were collected from the soil immediately underlying the vegetative cover using a decontaminated stainless steel trowel. Sample locations are shown on Figure 2. Background soil samples were analyzed for VOCs, ammonia, cyanide, fluoride, nitrate, nitrite, aluminum, arsenic, barium, cadmium, chromium, nickel, selenium and zinc. An Ohio VAP-certified laboratory performed all of the analyses.

4.0 DATA ANALYSIS

The results of the sampling program are discussed in the following sections, and are summarized in Tables 4 through 15. The complete laboratory reports are included in Appendix B. The applicable standards for the COCs were taken directly from the VAP published standards in Ohio Administrative Code (OAC) 3745-300-08, and from the Ohio Water Quality Standards in OAC 3745-1.

4.1 Applicable Standards

Sampling results were compared to applicable standards in order to determine whether there is a need for corrective measures associated with the media in each of the identified areas. In general, the applicable standards for the Former Newark Processing Property are the generic numerical standards presented in the OAC, section 3745-300-08.

The Property is currently a mix of undeveloped land and the industrial development of the Former Newark Processing manufacturing facility. There are commercial/industrial properties adjoining the parcel and the future plans for the Property land use are most likely for commercial/industrial land use. Therefore, the generic numeric standards applicable to commercial/industrial properties were used for comparison, as appropriate.

Groundwater results were compared to the Generic Unrestricted Potable Use Standards (UPUS) from OAC 3745-300-08. Per Ohio EPA Technical Decision Compendium VA30009.02.002, the sediment results from the onsite surface water bodies were compared to the generic numerical direct-contact standards for commercial/industrial property use.

The applicable standards for surface water at the Property are from the Ohio Water Quality Standards contained in OAC 3745-1. Surface waters from the Property drain to the Licking River, which is a part of the Muskingum River watershed which ultimately discharges to the Ohio River. Shawnee Run is a tributary to the Licking River, and runs through a portion of the Property, discharging to the Licking River on the south end of the Property. Both Shawnee Run

and the Licking River are designated as a warmwater habitat, agricultural water supply, industrial water supply and primary contact recreation.

Soil sampling results were also compared to the results obtained from the background soil samples. The analytical data from the background soil sampling is presented in Tables 4 and 5. As shown on Table 4, arsenic concentrations in all of the background soil samples exceed the Ohio VAP Generic Direct Contact Standard of 6.8 milligrams per kilogram (mg/kg) for Commercial/industrial Land Use. These concentrations range from a low of 10.6 mg/kg to a high of 17.8 mg/kg and an average of 14.1 mg/kg. Some VOCs were also detected in the background soil samples including 1,2-dichlorobenzene, methylene chloride and toluene. None of these compounds would be expected to be present in the background soil samples.

4.2 Identified Area #1: Main Plant Area

A total of 6 soil samples were collected in Identified Area #1 during the Phase II Assessment investigations, in addition to quality control duplicates. As shown on Table 6 and 7, none of the inorganic results exceed the Commercial/Industrial generic direct contact standards.

Several VOCs were detected in the surface soil samples collected from the Main Plant area including acetone, chlorobenzene, methylene chloride, toluene, trichloroethene and trichlorofluoromethane as shown on Table 8. Chlorobenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, carbon disulfide and tetrachloroethene were detected in the subsurface soil samples collected from the Main Plant area. These results are presented in Table 9. All of the results are low estimated values with the exception of methylene chloride, detected at 7.5 milligrams per kilogram (mg/kg) in one surface sample (MP-SS-06), acetone, detected at 126 mg/kg in a subsurface sample (MP-GP-04) and chlorobenzene, detected at 5.88 mg/kg in one subsurface sample (MP-GP-02). None of the results exceed any of the applicable generic direct contact VAP standards for Commercial/Industrial property use.

4.3 Identified Area #2: West Stockpile Area

Fourteen (14) dross material samples and seven (7) subsurface soil samples, including three (3) duplicates were collected from this area. All of the samples were analyzed for VOCs, ammonia, nitrite, nitrate, fluoride, aluminum, arsenic, barium, cadmium, chromium, cyanide, nickel,

selenium, and zinc. Selected surface soil samples were analyzed for total lead. Three samples were also analyzed for dioxins. Sample results are presented in Tables 10 through 14.

Table 10 shows that none of the inorganic results from the dross material samples exceeded the VAP Generic Direct-Contact standards for Commercial/Industrial land use.

As shown on Table 11, none of the inorganic results from the subsurface samples exceeded the VAP Generic Direct-Contact standards for Commercial/Industrial land use.

Volatile organic chemicals detected in the dross material samples and the subsurface soil samples from the West Stockpile included 2-butanone, acetone, chlorobenzene, and trichloroethene. All of these were detected at low concentrations; none of the results exceed any of the applicable VAP standards. These results are shown on Tables 12 and 13.

Detectable concentrations of dioxin were found in only one of the three samples analyzed for dioxins from the dross material materials in the West Stockpile, WP-GP-126W collected from 0 to 2 feet. The calculated TEF for this sample is 212.3 as shown on Table 14.

4.4 Identified Area #3: South Stockpile Area

Thirteen (13) dross material samples and thirteen (13) subsurface soil samples including two duplicates, were collected from the South Stockpile area. All of the samples were analyzed for VOCs, ammonia, nitrite, nitrate, fluoride, arsenic, cyanide, aluminum, barium, cadmium, chromium, nickel, selenium, and zinc. Selected surface soil samples were analyzed for total lead. Three samples were also analyzed for dioxins. Sample results are presented in Tables 15 through 19.

Table 15 shows that none of the inorganic results from the dross material samples exceeded the VAP Generic Direct-Contact standards for Commercial/Industrial land use.

As shown on Table 16, none of the inorganic results from the subsurface soil samples exceeded VAP Generic Direct-Contact standards for Commercial/Industrial land use.

Volatile organic chemicals detected in the dross material samples and the subsurface soil samples from the South Stockpile included 1,2-trimethylbenzene, 1,3,5-trimethylbenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, 2-butanone, acetone, carbon disulfide, chlorobenzene, methylene chloride, xylenes, p-isopropyltoluene, toluene, trichloroethene and vinyl chloride. All of these were detected at low concentrations; most of the detections were below the nominal reporting limit, and none of the results exceed any of the VAP standards. These results are shown on Tables 17 and 18.

Detectable concentrations of dioxin were found in only one of the three samples analyzed for dioxins from the dross materials in the South Stockpile, SP-GP-22W collected from 2 to 4 feet. The calculated TEF for this sample is 4.4 as shown on Table 19.

4.5 Identified Area #4: East Stockpile Area

Twelve (12) dross material samples and twelve (12) subsurface soil samples including two duplicates, were collected from the South Stockpile area. All of the samples were analyzed for VOCs, ammonia, nitrite, nitrate, fluoride, arsenic, cyanide, aluminum, barium, cadmium, chromium, nickel, selenium, and zinc. Selected samples were analyzed for total lead. Three dross material samples were collected and analyzed for dioxins. A duplicate sample from EP-GP-26W was also collected for dioxin analysis (EP-GP-26V).

Table 20 shows that none of the dross material sample inorganic results exceed the VAP Generic Direct Contact standard for Commercial/Industrial land use.

As shown on Table 21, none of the inorganic results from the subsurface soil samples exceeded the VAP Generic Direct-Contact standards for Commercial/Industrial land use.

Volatile organic chemicals detected in the dross material samples and the subsurface soil samples from the West Stockpile included 2-butanone, acetone, carbon disulfide, chlorobenzene, methylene chloride, toluene, and trichloroethene. All of these were detected at low concentrations; most of them were estimated values below the detection limit, and none of the results exceed any of the applicable VAP standards. These results are shown on Tables 22 and 23.

Detectable dioxin concentrations were found in all four of the dross material samples submitted for analysis. The TEFs calculated for the individual samples ranged from 0.04 in EP-GP-26W to 5.1 in EP-GP-9W as shown on Table 24.

4.6 Identified Area #5: Boneyard

Six surface soil samples (BY-SS-1 through BY-SS-6) and one duplicate sample (BY-SS-7) were collected from the Boneyard Area and analyzed for VOCs, aluminum, arsenic, barium, cadmium, chromium, cyanide, fluoride, lead, nickel, selenium, zinc, ammonia, and nitrite and nitrate. The results of these analyses are shown on Tables 25 and 26. As shown on Table 25, none of the sample results exceed the Ohio VAP Direct Contact Standards for Commercial/industrial Land Use.

Several VOCs were detected in the surface soil samples collected and analyzed from this identified area, including 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, naphthalene and toluene. All of these detections were estimated values below the nominal reporting limit and none of the concentrations exceed any of their applicable VAP standards.

4.7 Identified Area #6 Site-Wide Groundwater

Groundwater samples were collected and analyzed from the shallow zone monitoring wells on August 8 (1st event) and August 30-31, 2004 (2nd event). All of the samples were analyzed for VOCs, ammonia, nitrate and nitrite, total dissolved solids (TDS), fluoride, cyanide, and filtered aluminum, arsenic, barium, cadmium, chromium, nickel, selenium, and zinc,. Duplicate samples were collected from MW-8 (MW-8S) during the both events. The results are shown on Tables 27 and 28.

An examination of the results presented on Table 27 shows that significantly elevated concentrations of fluoride, nitrate-nitrite, ammonia, and TDS are present in the downgradient wells (MW-8 and MW-9) compared to the upgradient wells. Moderately elevated concentrations of selenium were also detected in the downgradient wells. A comparison of the concentrations to the Ohio EPA VAP Unrestricted Potable Use Standards (UPUS) shows exceedences of the

applicable standards for nitrate-nitrite in MW-4 and MW-7, and for fluoride, selenium, and nitrate-nitrite in MW-8 and MW-9. Based on the calculated groundwater flow direction at the Property, groundwater containing these contaminants is discharging to the Licking River. Figure 3 shows the distribution of these COCs in the monitoring wells relative to the locations of the dross storage piles and nearby surface water bodies.

Several VOCs were detected in the samples collected and analyzed from the monitoring wells during the two sampling events. These include 1,2,3-trichlorobenzene, 4-methyl-2-pentanone, cis-1,2-dichloroethene, 1,1-dichloroethane, 2-butanone, 4-methylpentanone, acetone, benzene, ethylbenzene, xylenes, toluene, chloroform, hexachlorobutadiene, methylene chloride, naphthalene, and trichloroethene. Nearly all of these detections were estimated values present below the nominal detection limit. However, methylene chloride was detected in the samples collected and analyzed from MW-8 (and the duplicate MW-8S) above the VAP UPUS of 5 ug/L. The methylene chloride concentrations ranged from 27.5 ug/L to 31.3 ug/L.

Figure 3 is included which shows the maximum concentrations of the COCs detected in groundwater.

4.8 Identified Area # 7: Septic Tank and Leach Field

Three subsurface soil samples (STLF-GP1 through STLF-GP-3) were collected in the area of the former septic tank and leach field from approximately eight (8) feet below grade and analyzed for VOCs. The results are presented in Table 29. Detectable concentrations of VOCs were only found in one sample (STLF-GP-1) including chlorodibromomethane, toluene and trichloroethene. All of these chemicals were detected at low concentrations and none of them exceeded any of the VAP Direct Contact standards.

4.9 Surface Water

The quality of the surface water on and adjacent to the Newark Processing Property was assessed through the collection and analysis of surface water samples from the Licking River and the tributary to the Licking River that flows through the Property. Sampling locations are

shown on Figure 2. All of the samples were analyzed for ammonia, nitrate-nitrite, fluoride, cyanide, arsenic, and total aluminum, barium, cadmium, chromium, nickel, selenium and zinc. Samples collected from Shawnee Run were also analyzed for VOCs. . The results are presented in Tables 30, 31, and 32.

As shown on table 30, detectable concentrations of aluminum, barium, fluoride, and nickel were found in the samples collected and analyzed from Shawnee Run. Hardness, ammonia and nitrite-nitrate were also measured in the surface water samples.

The inorganic results of the surface water sampling from the Licking River are presented in Table 31. Aluminum, barium, fluoride, nickel, and zinc, as well as ammonia and nitrite-nitrate were detected in the samples. Hardness was also measured, ranging from 286 mg/L to 289 mg/L as Ca CO_3, with an average of 288 mg/L.

The evaluation of the surface water quality at the Property requires a comparison of the surface water results to the statewide water quality standards specified in OAC 3745-1-07. None of the results exceed any of the applicable water quality standards.

The samples collected from Shawnee Run were also analyzed for VOCs. The results are presented in Table 32. Two organic compounds, dichlorodifluoromethane and toluene, were detected at low estimated concentrations below the nominal reporting limit in the samples. None of these detections exceed the applicable water quality standards.

4.10 Sediments

Sediment samples were collected and analyzed from Shawnee Run and the Licking River on August 18, 2004 from eight (8) locations as shown on Figure 2. All of the samples were analyzed for aluminum, arsenic, barium, cadmium, chromium, cyanide, fluoride, nickel, selenium, zinc and ammonia. The results are presented in Tables 33 and 34. The sediment samples collected from Shawnee Run were also analyzed for VOCs. These results are presented in Table 35.

Detectable concentrations of all of the inorganic chemicals except cyanide were found in the samples collected from both waterway segments. The results were compared to the Ohio VAP

Generic Direct-Contact Soil Standards for Residential Land Use. Only arsenic exceeded the applicable standards in any of the samples, and arsenic exceeded the standard in all of the samples. Based on these results and the results of the background soil samples, it appears that elevated arsenic concentrations are naturally occurring on an area-wide basis, and are not associated with the former Newark Processing operations.

As shown on Table 35, several VOCs were detected in the sediment samples collected from Shawnee Run including 2-butanone, acetone, p-isopropyltoluene, toluene and trichloroethene. All of the detections were estimated values below the nominal reporting limits, and none of the concentrations exceeded any of the Ohio VAP Generic Direct-Contact Soil Standards.

4.11 Biological Assessment

Ohio EPA conducted a biological assessment of the Licking River and Shawnee Run as part of the Phase II Property Assessment. A copy of their report is included in Appendix D.

5.0 GROUNDWATER PROTECTION

5.1 Protection of Groundwater Meeting Potable Use Standards

The hydrogeologic characteristics of the Former Newark Processing area are documented in Appendix D. According to ODNR well log records, groundwater is extracted within a one-mile radius of the Property for industrial and potable uses. Based on these records and the available published literature, there are three major water-bearing zones from which potable water is obtained. These are (from shallow to deep) the unconsolidated deposits associated with alluvial erosion; Blackhand sandstone bedrock, and deeper sandstones of the lower Cuyahoga formation.

The uppermost aquifer at the Property is the unconsolidated alluvial deposits associated with the erosional floodplain of the Licking River. UPUS has been exceeded in this aquifer at the Property due to the presence of fluoride, selenium and nitrate-nitrites detected above the action level in samples collected from MW-8 and MW-9, and methylene chloride detected in MW-8,. The Volunteer is required to meet protection of groundwater meeting potable use standards (POGWMUPUS) in the next deepest aquifer. The results of the Phase II hydrogeologic investigation showed that the unconsolidated aquifer at the Property has two separate saturated zones separated by approximately 67 feet of hard dry clay. A review of the well logs for the area near the Property shows that the depth to the top of the first massive sandstone unit is at least 225 feet beneath the Former Newark Processing plant. This massive sandstone is the next deeper regional aquifer for which POGWMUPUS must be demonstrated.

The information obtained from the borings installed through the dross piles show that the native topography slopes southward from the northern portion of the Property towards the Licking River. It has been shown that groundwater flow on the Property also flows towards the Licking River. There is little doubt based on the available evidence, that the shallow groundwater and the surface water at the Property are in hydraulic communication with each other. Based on a comparison of the groundwater elevation in the monitoring wells nearest to the river and the normal river stage, it is apparent that groundwater discharges to the river, except possibly under river flood conditions. Therefore, rather than vertical migration downward to the next deeper aquifer, contamination in groundwater would most likely seek the easier flow path and discharge

to the Licking River. The contaminant plume also appears to be localized to the area between the dross piles and the river.

Another limiting factor for the migration of COCs exceeding UPUS at the Property to impact the deeper aquifer is the clay layer underlying shallow aquifer. During drilling of the deeper well, this clay was described as a dry gray hard silty clay or clay with gravel.

5.2 Groundwater Response Requirements

The hydrogeologic investigation of the uppermost saturated zone at the Former Newark Processing Property has shown that UPUS has been exceeded for methylene chloride, fluoride and selenium, and nitrate-nitrites in samples collected from the monitoring wells that monitor this zone upgradient from the source area. Based on this assessment, the Volunteer is required to meet the requirements of OAC 3745-300-10(F). The requirements are based in part on the groundwater classification of the uppermost saturated zone as determined in accordance with OAC 3745-300-10(C). The Volunteer has determined that the uppermost saturated zone at the Former Newark Processing Property is Class A.

For groundwater meeting the Class A classification when contamination is entirely attributable to sources on the Property, the provisions of OAC 3745-300-10(F)(4) require the volunteer to:

1. Implement institutional or engineering controls that reliably prevent human exposure on the property to groundwater with concentrations of chemical(s) of concern in excess of unrestricted potable use standards, or restore the groundwater underlying the property to those unrestricted potable use standards.
2. Ensure that groundwater emanating from the property does not exceed unrestricted potable use standards except when groundwater discharges to surface water at the property boundary, in which case the applicable standards in OAC 3745-300-08(E) must be met.
3. Take appropriate corrective action in the event that groundwater has emanated from the property causing or is reasonably expected to cause unrestricted potable use standards to be exceeded at off-site wells used for potable purposes.

4. Ensure protection of humans on and off the property from exposures to chemical(s) of concern in groundwater not related to potable use.
5. Ensure protection of important ecological resources on and off the property.

To meet requirement No. 1 above, the Volunteer will implement institutional controls in the form of a deed restriction to prevent the use of groundwater for potable use on the Property.

Based on the results of the Phase II Assessment, the requirements for No. 2 above do not appear to be met at the present time. To ensure compliance with meeting requirement No. 2 above, the Volunteer plans to conduct the following activities:

(a) Install an interceptor trench to collect impacted groundwater downgradient of the source areas and implement treatment for removal of the COCs to an acceptable concentration.

The risk of non-compliance with requirement No. 3 is extremely low. There are no potable wells downgradient of the source areas, and the deed restriction will prevent the installation of any potable wells downgradient of the sources.

Compliance with Requirement No. 4 will be achieved by imposing a deed restriction that prevents the use of groundwater for any purpose at the Property.

Compliance with Requirement No. 5 requires no action, since important ecological resources have not been identified at or near the Property.

6.0 EXPOSURE PATHWAY COMPLETENESS DETERMINATION

The Phase II assessment results were used to determine which if any of the potential complete exposure pathways are actually complete potential exposure pathways. Based upon sampling and analysis, and upon Property-specific Risk Assessment presented in Appendix E, the following analysis is presented to show which of the pathways are still potentially complete.

Potential Exposure Pathway	Determined to be Potentially Complete?	Rationale for Determination
Ingestion of groundwater by on-property receptors	No	There are no on-property receptors
Dermal contact with groundwater by on-property receptors	No	There are no on-property receptors
Ingestion of groundwater by off-property receptors	No	Groundwater discharges to the Licking River at the property boundary
Dermal contact with groundwater by off-property receptors	Yes	COCs likely exceed applicable standards at the point of discharge into the Licking River
Volatiles in groundwater released to on-property or off-property receptors	No	VOCs detected in groundwater are well below applicable standards
Direct contact with impacted soils and the dross pile materials onsite to trespassers, ecological receptors and workers	Yes	Multiple chemical adjustments exceed applicable standards
Dermal contact with surface water to onsite trespassers and offsite downstream receptors	No	COCs in surface water do not exceed applicable standards
Dermal contact with surface water to onsite and downstream offsite ecological receptors	No	COCs in surface water do not exceed applicable standards
Ingestion of surface water onsite and downstream offsite by ecological receptors	No	COCs in surface water do not exceed applicable standards
Dermal contact with sediments to onsite trespassers or offsite downstream receptors	No	COCs below applicable standards
Dermal contact with sediments to onsite or offsite ecological receptors	No	COCs below applicable standards
Ingestion of sediments onsite and offsite by ecological receptors	No	COCs below applicable standards
Inhalation of particulates from impacted soils and the dross pile by onsite trespassers, ecological receptors and workers	Yes	Multiple chemical adjustments exceed applicable standards

Potential Exposure Pathway	Determined to be Potentially Complete?	Rationale for Determination
Ingestion of impacted soils and dross pile materials by an onsite trespassers, ecological receptors and workers	Yes	Multiple chemical adjustments exceed applicable standards
Ingestion of plants which have incorporated chemicals of concern by ecological receptors	No	COCs below applicable standards
Ingestion of sediment fauna which have incorporated chemicals of concern by ecological receptors	No	COCs below applicable standards

In order to justify preparation of a No Further Action Letter for the Property, the complete exposure pathways shown above must be remedied. If successful in securing a Clean Ohio Revitalization Fund (CORF) Grant, the City of Newark plans to address the pathways through a combination of active remediation and institutional controls. These include the removal of the West Pile from the Property and disposal at a licensed off-site disposal facility, consolidation of dross and dross fines above Elevation 805 from the South Pile into the East Pile, the installation of a soil cap over the consolidated East Pile to prevent future direct-contact exposure, restrictions on the use of groundwater on the Property, and the installation of a groundwater interceptor trench to prevent contaminated groundwater from discharging to surface water.

Table 1
Summary of Sampled Media by Identified Area
Former Newark Processing Property
Newark, Ohio

COCs	Licking River Shawnee Run	Identified Area #1: Main Plant Area	Identified Area #2: West Stockpile Area	Identified Area #3: South Stockpile Area	Identified Area #4: East Stockpile Area	Identified Area #5: Boneyard Area	Identified Area #6: Site-wide Groundwater	Identified Area #7: Septic Tank & Leachfield
Aluminum, Arsenic, Barium, Cadmium, Chromium, Cyanide, Fluoride, Nickel, Selenium, Zinc	SD, SW	SS, SBS	DM, SBS*	DM, SBS	DM, SBS	SS	GW	
Ammonia, Nitrate-Nitrite	SD, SW	SS, SBS*	WT, SBS*	WT, SBS	WT, SBS	SS	GW	
Dioxins			DM	DM	DM			
VOCs	SD, SW	SS, SBS	DM, SBS*	DM, SBS	DM, SBS	SS	GW	SBS
Lead		DM	DM	DM	DM	DM		
Was the identified area from the Phase I eliminated or re-designated during the Phase II?		NO	NO	NO	NO	NO	NO	NO

SS = Surface Soil
SBS = Subsurface Soil
SD = Sediments
SW = Surface Water
GW = Groundwater
DM= Dross Materials

Table 3
Laboratories Used for Analytical Work
Former Newark Processing Property
Newark, Ohio

	KEMRON	TestAmerica	STL	PARADIGM	ENVIRONMENTAL SCIENCE CORP
CL #	CL0012	CL0018	CL0024	NONE	CLOO69
Method #s	160.1, 353.2, SM4500-F-C, 6010B, 9014, 6010A, 8260B,			8280	350.1
Total Dissolved Solids	GW				
Nitrate-Nitrite, Fluoride, Zinc, Cyanide, Selenium, Cadmium, Chromium, Barium, Arsenic, VOCs	SS, SBS, DM, SW, SD, GW				
Aluminum, Nickel		SS, SBS, DM, SW, SD, GW			
Lead			SS, DM		
Ammonia					SS, SBS, DM, GW, SW, SD
DIOXINS				DM	

KEMRON: Kemron Laboratories, Marietta, Ohio
STL: Severn Trent Laboratories, North Canton, Ohio
TestAmerica: TestAmerica Analytical Testing Corp, Dayton, Ohio
PARADIGM: Paradigm Analytical Laboratories, Wilmington, North Carolina
American Science Corp, Mt. Juliet, Tennessee
SS = Surface Soil
SBS = Subsurface Soil
SD = Sediments
SW = Surface Water
GW = Groundwater
DM = Dross Materials

TABLE 4
Inorganic Results from Background Soil Samples
Newark Processing

Parameter	VAP Standard	BG-1 6/22/2004	BG-2 6/22/2004	BG-3 6/22/2004	BG-4 6/22/2004	BG-5 6/22/2004	BG-6 6/22/2004
Aluminum	1,000,000	7,300	6,420	7,630	6,630	5,410	7,290
Arsenic, Total	80.0	14.4	14.4	11.3	15.2	13.6	17.8
Barium, Total	2,000,000	77.3	69.1	73.2	84.3	63.3	85.8
Cadmium, Total	770	0.638	0.687	0.553	0.793	0.678	0.908
Chromium, Total	1,000,000	12.9	11.8	14.6	18.5	16	16.5
Cyanide	60,000	< 0.6	< 0.604	< 0.622	< 0.567	0.305 J	0.314 J
Fluoride	180,000	4.67	2.74	2.22	4.27	1.79	1.8
Nickel	57,000	18.6	18.9	16.9	19.5	16.9	21.9
Selenium, Total	15,000	4.49 J	5.05 J	4.53	5.56	3.94 J	5.08 J
Zinc, Total	900,000	91.3	90	105	128	113	128
Nitrogen, Ammonia	NS	8.89	11.6	11.6	< 6.15	7.17	9.34
Nitrogen, Nitrate-Nitrite	NS	< 15	< 16	< 16	< 16	< 6.1	8.2

Notes:
All results are shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 4
Inorganic Results from Background Soil Samples
Newark Processing

Parameter	VAP Standard	BG-7 6/22/2004	BG-8 6/22/2004	BG-9 6/22/2004	BG-10 6/22/2004	BG-11 6/22/2004	BG-12 6/22/2004
Aluminum	1,000,000	5,270	5,320	7,410	8,950	6,590	10,700
Arsenic, Total	80.0	14.5	13.2	12.8	15.5	15.5	10.6
Barium, Total	2,000,000	60.6	57.3	76.3	85.7	77.7	81.5
Cadmium, Total	770	0.661	0.601	0.648	0.58	0.569	0.618
Chromium, Total	1,000,000	11.5	9.88	14.4	17.2	20.9	24.5
Cyanide	60,000	< 0.603	< 0.579	< 0.599	< 0.548	0.36 J	0.45
Fluoride	180,000	1.61	1.63	2.4	2.21	3.27	4.21
Nickel	57,000	15.6	16.1	17.3	19.6	15.1	18.5
Selenium, Total	15,000	3.94 J	3.63 J	5 J	5.9	5.63	5.88
Zinc, Total	900,000	82.6	81.4	106	103	125	126
Nitrogen, Ammonia	NS	6.16	9.67	11.3	10.9	6.04	15.1
Nitrogen, Nitrate-Nitrite	NS	13	7.9	7.2	< 16	< 15	< 15

Notes:
All results are shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 5
Organic Results from Background Soil Samples
Newark Processing

Parameter	VAP Standard	BG-1 6/22/2004	BG-2 6/22/2004	BG-3 6/22/2004	BG-4 6/22/2004
1,1,1,2-Tetrachloroethane	490,000	< 6.2	< 6.1	< 6.39	< 5.94
1,1,1-Trichloroethane	1,400,000	< 6.2	< 6.1	< 6.39	< 5.94
1,1,2,2-Tetrachloroethane	55,000	< 6.2	< 6.1	< 6.39	< 5.94
1,1,2-Trichloroethane	120,000	< 6.2	< 6.1	< 6.39	< 5.94
1,1-Dichloroethane	2,300,000	< 6.2	< 6.1	< 6.39	< 5.94
1,1-Dichloroethene	7,500	< 6.2	< 6.1	< 6.39	< 5.94
1,1-Dichloropropene	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,2,3-Trichlorobenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,2,3-Trichloropropane	29,000	< 6.2	< 6.1	< 6.39	< 5.94
1,2,4-Trichlorobenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,2,4-Trimethylbenzene	210,000	< 6.2	< 6.1	< 6.39	< 5.94
1,2-Dibromo-3-chloropropane	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,2-Dibromoethane	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,2-Dichlorobenzene	370,000	< 6.2	< 6.1	< 6.39	< 5.94
1,2-Dichloroethane	49,000	< 6.2	< 6.1	< 6.39	< 5.94
1,2-Dichloropropane	60,000	< 6.2	< 6.1	< 6.39	< 5.94
1,3,5-Trimethylbenzene	180,000	< 6.2	< 6.1	< 6.39	< 5.94
1,3-Dichlorobenzene	240,000	< 6.2	< 6.1	< 6.39	< 5.94
1,3-Dichloropropane	NS	< 6.2	< 6.1	< 6.39	< 5.94
1,4-Dichlorobenzene	470,000	< 6.2	< 6.1	< 6.39	< 5.94
2,2-Dichloropropane	NS	< 6.2	< 6.1	< 6.39	< 5.94
2-Butanone	71,600,000	< 124	< 122	< 128	< 119
2-Chloroethyl vinyl ether	NS	< 12.4	< 12.2	< 12.8	< 11.9
2-Chlorotoluene	NS	< 6.2	< 6.1	< 6.39	< 5.94
2-Hexanone	NS	< 12.4	< 12.2	< 12.8	< 11.9
4-Chlorotoluene	NS	< 6.2	< 6.1	< 6.39	< 5.94
4-Methyl-2-pentanone	NS	< 12.4	< 12.2	< 12.8	< 11.9
Acetone	100,000,000	< 124	< 122	< 128	< 119
Benzene	100,000	< 6.2	< 6.1	< 6.39	< 5.94
Bromobenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Bromochloromethane	NS	< 6.2	< 6.1	< 6.39	< 5.94
Bromodichloromethane	NS	< 6.2	< 6.1	< 6.39	< 5.94
Bromoform	NS	< 6.2	< 6.1	< 6.39	< 5.94
Bromomethane	NS	< 12.4	< 12.2	< 12.8	< 11.9
Carbon disulfide	720,000	< 6.2	< 6.1	< 6.39	< 5.94
Carbon tetrachloride	16,000	< 6.2	< 6.1	< 6.39	< 5.94
Chlorobenzene	690,000	< 6.2	< 6.1	< 6.39	< 5.94
Chlorodibromomethane	NS	< 6.2	< 6.1	< 6.39	< 5.94
Chloroethane	100,000,000	< 12.4	< 12.2	< 12.8	< 11.9
Chloroform	32,000	< 6.2	< 6.1	< 6.39	< 5.94
Chloromethane	NS	< 12.4	< 12.2	< 12.8	< 11.9
cis-1,2-Dichloroethene	12,000,000	< 6.2	< 6.1	< 6.39	< 5.94
cis-1,3-Dichloropropene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Dibromomethane	NS	< 6.2	< 6.1	< 6.39	< 5.94
Dichlorodifluoromethane	850,000	< 12.4	< 12.2	< 12.8	< 11.9
Ethylbenzene	230,000	< 6.2	< 6.1	< 6.39	< 5.94
Hexachlorobutadiene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Isopropylbenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
m-,p-Xylene	160,000	< 6.2	< 6.1	< 6.39	< 5.94
Methylene chloride	1,300,000	< 6.2	< 6.1	< 6.39	< 5.94
Naphthalene	530,000	< 12.4	< 12.2	< 12.8	< 11.9
n-Butylbenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
n-Hexane	180,000	< 12.4	< 12.2	< 12.8	< 11.9
n-Propylbenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
o-Xylene	160,000	< 6.2	< 6.1	< 6.39	< 5.94
p-Isopropyltoluene	NS	< 6.2	< 6.1	< 6.39	< 5.94
sec-Butylbenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Styrene	1,700,000	< 6.2	< 6.1	< 6.39	< 5.94
tert-Butylbenzene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Tetrachloroethene	370,000	< 6.2	< 6.1	< 6.39	< 5.94
Toluene	520,000	0.641 J	< 6.1	< 6.39	< 5.94
trans-1,2-Dichloroethene	2,500,000	< 6.2	< 6.1	< 6.39	< 5.94
trans-1,3-Dichloropropene	NS	< 6.2	< 6.1	< 6.39	< 5.94
Trichloroethene	380,000	< 6.2	< 6.1	< 6.39	< 5.94
Trichlorofluoromethane	2,000,000	< 12.4	< 12.2	< 12.8	< 11.9
Vinyl acetate	2,700,000	< 12.4	< 12.2	< 12.8	< 11.9
Vinyl chloride	25,000	< 2.48	< 2.44	< 2.55	< 2.38

Notes:
All results are shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 5
Organic Results from Background Soil Samples
Newark Processing

Parameter	VAP Standard	BG-5 6/22/2004	BG-6 6/22/2004	BG-7 6/22/2004	BG-8 6/22/2004
1,1,1,2-Tetrachloroethane	490,000	< 6.1	< 6.37	< 6.26	< 5.83
1,1,1-Trichloroethane	1,400,000	< 6.1	< 6.37	< 6.26	< 5.83
1,1,2,2-Tetrachloroethane	55,000	< 6.1	< 6.37	< 6.26	< 5.83
1,1,2-Trichloroethane	120,000	< 6.1	< 6.37	< 6.26	< 5.83
1,1-Dichloroethane	2,300,000	< 6.1	< 6.37	< 6.26	< 5.83
1,1-Dichloroethene	7,500	< 6.1	< 6.37	< 6.26	< 5.83
1,1-Dichloropropene	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,2,3-Trichlorobenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,2,3-Trichloropropane	29,000	< 6.1	< 6.37	< 6.26	< 5.83
1,2,4-Trichlorobenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,2,4-Trimethylbenzene	210,000	< 6.1	< 6.37	< 6.26	< 5.83
1,2-Dibromo-3-chloropropane	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,2-Dibromoethane	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,2-Dichlorobenzene	370,000	< 6.1	< 6.37	< 6.26	< 5.83
1,2-Dichloroethane	49,000	< 6.1	< 6.37	< 6.26	< 5.83
1,2-Dichloropropane	60,000	< 6.1	< 6.37	< 6.26	< 5.83
1,3,5-Trimethylbenzene	180,000	< 6.1	< 6.37	< 6.26	< 5.83
1,3-Dichlorobenzene	240,000	< 6.1	< 6.37	< 6.26	< 5.83
1,3-Dichloropropane	NS	< 6.1	< 6.37	< 6.26	< 5.83
1,4-Dichlorobenzene	470,000	< 6.1	< 6.37	< 6.26	< 5.83
2,2-Dichloropropane	NS	< 6.1	< 6.37	< 6.26	< 5.83
2-Butanone	71,600,000	< 122	< 127	< 125	< 117
2-Chloroethyl vinyl ether	NS	< 12.2	< 12.7	< 12.5	< 11.7
2-Chlorotoluene	NS	< 6.1	< 6.37	< 6.26	< 5.83
2-Hexanone	NS	< 12.2	< 12.7	< 12.5	< 11.7
4-Chlorotoluene	NS	< 6.1	< 6.37	< 6.26	< 5.83
4-Methyl-2-pentanone	NS	< 12.2	< 12.7	< 12.5	< 11.7
Acetone	100,000,000	< 122	< 127	< 125	< 117
Benzene	100,000	< 6.1	< 6.37	< 6.26	< 5.83
Bromobenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Bromochloromethane	NS	< 6.1	< 6.37	< 6.26	< 5.83
Bromodichloromethane	NS	< 6.1	< 6.37	< 6.26	< 5.83
Bromoform	NS	< 6.1	< 6.37	< 6.26	< 5.83
Bromomethane	NS	< 12.2	< 12.7	< 12.5	< 11.7
Carbon disulfide	720,000	< 6.1	< 6.37	< 6.26	< 5.83
Carbon tetrachloride	16,000	< 6.1	< 6.37	< 6.26	< 5.83
Chlorobenzene	690,000	< 6.1	< 6.37	< 6.26	< 5.83
Chlorodibromomethane	NS	< 6.1	< 6.37	< 6.26	< 5.83
Chloroethane	100,000,000	< 12.2	< 12.7	< 12.5	< 11.7
Chloroform	32,000	< 6.1	< 6.37	< 6.26	< 5.83
Chloromethane	NS	< 12.2	< 12.7	< 12.5	< 11.7
cis-1,2-Dichloroethene	12,000,000	< 6.1	< 6.37	< 6.26	< 5.83
cis-1,3-Dichloropropene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Dibromomethane	NS	< 6.1	< 6.37	< 6.26	< 5.83
Dichlorodifluoromethane	850,000	< 12.2	< 12.7	< 12.5	< 11.7
Ethylbenzene	230,000	< 6.1	< 6.37	< 6.26	< 5.83
Hexachlorobutadiene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Isopropylbenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
m-,p-Xylene	160,000	< 6.1	< 6.37	< 6.26	< 5.83
Methylene chloride	1,300,000	< 6.1	< 6.37	< 6.26	< 5.83
Naphthalene	530,000	< 12.2	< 12.7	< 12.5	< 11.7
n-Butylbenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
n-Hexane	180,000	< 12.2	< 12.7	< 12.5	< 11.7
n-Propylbenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
o-Xylene	160,000	< 6.1	< 6.37	< 6.26	< 5.83
p-Isopropyltoluene	NS	< 6.1	< 6.37	< 6.26	< 5.83
sec-Butylbenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Styrene	1,700,000	< 6.1	< 6.37	< 6.26	< 5.83
tert-Butylbenzene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Tetrachloroethene	370,000	< 6.1	< 6.37	< 6.26	< 5.83
Toluene	520,000	< 6.1	< 6.37	< 6.26	< 5.83
trans-1,2-Dichloroethene	2,500,000	< 6.1	< 6.37	< 6.26	< 5.83
trans-1,3-Dichloropropene	NS	< 6.1	< 6.37	< 6.26	< 5.83
Trichloroethene	380,000	< 6.1	< 6.37	< 6.26	< 5.83
Trichlorofluoromethane	2,000,000	< 12.2	< 12.7	< 12.5	< 11.7
Vinyl acetate	2,700,000	< 12.2	< 12.7	< 12.5	< 11.7
Vinyl chloride	25,000	< 2.44	< 2.55	< 2.5	< 2.33

Notes:
All results are shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 5
Organic Results from Background Soil Samples
Newark Processing

Parameter	VAP Standard	BG-9 6/22/2004	BG-10 6/22/2004	BG-11 6/22/2004	BG-12 6/22/2004
1,1,1,2-Tetrachloroethane	490,000	< 6.21	< 5.78	< 5.95	< 6.29
1,1,1-Trichloroethane	1,400,000	< 6.21	< 5.78	< 5.95	< 6.29
1,1,2,2-Tetrachloroethane	55,000	< 6.21	< 5.78	< 5.95	< 6.29
1,1,2-Trichloroethane	120,000	< 6.21	< 5.78	< 5.95	< 6.29
1,1-Dichloroethane	2,300,000	< 6.21	< 5.78	< 5.95	< 6.29
1,1-Dichloroethene	7,500	< 6.21	< 5.78	< 5.95	< 6.29
1,1-Dichloropropene	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,2,3-Trichlorobenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,2,3-Trichloropropane	29,000	< 6.21	< 5.78	< 5.95	< 6.29
1,2,4-Trichlorobenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,2,4-Trimethylbenzene	210,000	< 6.21	< 5.78	< 5.95	< 6.29
1,2-Dibromo-3-chloropropane	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,2-Dibromoethane	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,2-Dichlorobenzene	370,000	< 6.21	1.13 J,B,E	0.893 J,B	1.01 J,B,E
1,2-Dichloroethane	49,000	< 6.21	< 5.78	< 5.95	< 6.29
1,2-Dichloropropane	60,000	< 6.21	< 5.78	< 5.95	< 6.29
1,3,5-Trimethylbenzene	180,000	< 6.21	< 5.78	< 5.95	< 6.29
1,3-Dichlorobenzene	240,000	< 6.21	< 5.78	< 5.95	< 6.29
1,3-Dichloropropane	NS	< 6.21	< 5.78	< 5.95	< 6.29
1,4-Dichlorobenzene	470,000	< 6.21	< 5.78	< 5.95	< 6.29
2,2-Dichloropropane	NS	< 6.21	< 5.78	< 5.95	< 6.29
2-Butanone	71,600,000	< 124	< 116	< 119	< 12.6
2-Chloroethyl vinyl ether	NS	< 12.4	< 11.6	< 11.9	< 12.6
2-Chlorotoluene	NS	< 6.21	< 5.78	< 5.95	< 6.29
2-Hexanone	NS	< 12.4	< 11.6	< 11.9	< 12.6
4-Chlorotoluene	NS	< 6.21	< 5.78	< 5.95	< 6.29
4-Methyl-2-pentanone	NS	< 12.4	< 11.6	< 11.9	< 12.6
Acetone	100,000,000	< 124	< 116	< 119	< 126
Benzene	100,000	< 6.21	< 5.78	< 5.95	< 6.29
Bromobenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Bromochloromethane	NS	< 6.21	< 5.78	< 5.95	< 6.29
Bromodichloromethane	NS	< 6.21	< 5.78	< 5.95	< 6.29
Bromoform	NS	< 6.21	< 5.78	< 5.95	< 6.29
Bromomethane	NS	< 12.4	< 11.6	< 11.9	< 12.6
Carbon disulfide	720,000	< 6.21	< 5.78	< 5.95	< 6.29
Carbon tetrachloride	16,000	< 6.21	< 5.78	< 5.95	< 6.29
Chlorobenzene	690,000	< 6.21	< 5.78	< 5.95	< 6.29
Chlorodibromomethane	NS	< 6.21	< 5.78	< 5.95	< 6.29
Chloroethane	100,000,000	< 12.4	< 11.6	< 11.9	< 12.6
Chloroform	32,000	< 6.21	< 5.78	< 5.95	< 6.29
Chloromethane	NS	< 12.4	< 11.6	< 11.9	< 12.6
cis-1,2-Dichloroethene	12,000,000	< 6.21	< 5.78	< 5.95	< 6.29
cis-1,3-Dichloropropene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Dibromomethane	NS	< 6.21	< 5.78	< 5.95	< 6.29
Dichlorodifluoromethane	850,000	< 12.4	< 11.6	< 11.9	< 12.6
Ethylbenzene	230,000	< 6.21	< 5.78	< 5.95	< 6.29
Hexachlorobutadiene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Isopropylbenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
m-,p-Xylene	160,000	< 6.21	< 5.78	< 5.95	< 6.29
Methylene chloride	1,300,000	< 6.21	1.76 J	< 5.95	< 6.29
Naphthalene	530,000	< 12.4	< 11.6	< 11.9	< 12.6
n-Butylbenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
n-Hexane	180,000	< 12.4	< 11.6	< 11.9	< 12.6
n-Propylbenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
o-Xylene	160,000	< 6.21	< 5.78	< 5.95	< 6.29
p-Isopropyltoluene	NS	< 6.21	< 5.78	< 5.95	< 6.29
sec-Butylbenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Styrene	1,700,000	< 6.21	< 5.78	< 5.95	< 6.29
tert-Butylbenzene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Tetrachloroethene	370,000	< 6.21	< 5.78	< 5.95	< 6.29
Toluene	520,000	< 6.21	< 5.78	< 5.95	< 6.29
trans-1,2-Dichloroethene	2,500,000	< 6.21	< 5.78	< 5.95	< 6.29
trans-1,3-Dichloropropene	NS	< 6.21	< 5.78	< 5.95	< 6.29
Trichloroethene	380,000	< 6.21	< 5.78	< 5.95	< 6.29
Trichlorofluoromethane	2,000,000	< 12.4	< 11.6	< 11.9	< 12.6
Vinyl acetate	2,700,000	< 12.4	< 11.6	< 11.9	< 12.6
Vinyl chloride	25,000	< 2.49	< 2.31	< 2.38	< 2.52

Notes:
All results are shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 6
Inorganic Results from Identified Area #1 - Surface Soil Samples
Main Plant Area
Newark Processing

Parameter	VAP Standard	MP-SS-01 6/23/2004	MP-SS-02 6/23/2004	MP-SS-03 6/23/2004	MP-SS-04 6/23/2004	MP-SS-05 6/23/2004	MP-SS-06 6/23/2004
Aluminum	1,000,000	8,690	10,100	154,000	8,670	169,000	185,000
Arsenic, Total	80.0	8.65	17	11.5	13.8	9.22	8.73
Barium, Total	2,000,000	82.3	69.9	392	159	379	235
Cadmium, Total	770	0.268 J	0.298 J	7.73	0.414 J	4.44	3.38
Chromium, Total	1,000,000	14.3	14.7	356	20.5	333	188
Cyanide	60,000	< 0.576	< 0.553	1.7	< 0.567	1.65	0.936
Fluoride	180,000	0.758	0.682	120	0.424	123	202
Nickel	57,000	15.1	22.8	188	19.9	183	109
Selenium, Total	15,000	4.03 J	5.5	42.8	6.63	37	32.1
Zinc, Total	900,000	62.6	76.5	2,360	88.2	1,560	1,530
Nitrogen, Ammonia	NS	56.9	13.2	8.48	125	< 6.92	< 7.22
Nitrogen, Nitrate-Nitrite	NS	19	< 24	5.2	< 0.61	65	17

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 7
Inorganic Results from Identified Area #1 - Subsurface Soil Samples
Main Plant Area
Newark Processing

Parameter	VAP Standard (mg/kg)	MP-GP-01 6/23/2004 (2' - 4')	MP-GP-02 6/23/2004 (2' - 4')	MP-GP-03 6/23/2004 (2' - 4')	MP-GP-04 6/23/2004 (2' - 4')	MP-GP-05 6/23/2004 (2' - 4')	MP-GP-06 6/23/2004 (2' - 4')	MP-GP-07 6/23/2004 (2' - 4')
Aluminum	1,000,000	6,240	6,660	8,380	12,200	39,000	9,060	10,200
Arsenic, Total	80.0	10.9	17.7	22.5	14.3	19.1	10.6	25.8
Barium, Total	2,000,000	55.1	60.9	74	115	105	83.4	89
Cadmium, Total	770	0.37 J	0.459 J	0.48	0.376 J	0.397	0.213 J	0.37
Chromium, Total	1,000,000	9.5	12.4	18.2	21	54.5	15.8	14.7
Cyanide	60,000	< 0.523	< 0.565	< 0.517	< 0.612	< 0.603	< 0.547	< 0.536
Fluoride	180,000	0.459	0.981	10.4	0.136	27.5	9.12	11.6
Lead	1,800	735	N/A	396	N/A	424	N/A	N/A
Nickel	57,000	17.3	19.4	19.3	20.7	24.4	17.5	21.1
Selenium, Total	15,000	3.08 J	5.75	6.17	6.87	11	5.06	5.84
Zinc, Total	900,000	57.6	72.6	97.4	82.3	517	91.4	85.8
Nitrogen, Ammonia	NS	14.4	17.3	17.8	64.6	84.2	< 5.87	11.4
Nitrogen, Nitrate-Nitrite	NS	12	< 28	< 110	8.6	< 64	< 55	< 57

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 8
Organic Results from Identified Area #1 - Surface Soil Samples
Main Plant Area
Newark Processing

Parameter	VAP Standard	MP-SS-01 6/23/2004	MP-SS-02 6/23/2004	MP-SS-03 6/23/2004	MP-SS-04 6/23/2004	MP-SS-05 6/23/2004	MP-SS-06 6/23/2004
1,1,1,2-Tetrachloroethane	490,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1,1-Trichloroethane	1,400,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1,2,2-Tetrachloroethane	55,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1,2-Trichloroethane	120,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1-Dichloroethane	2,300,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1-Dichloroethene	7,500	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,1-Dichloropropene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2,3-Trichlorobenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2,3-Trichloropropane	29,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2,4-Trichlorobenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2,4-Trimethylbenzene	210,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2-Dibromo-3-chloropropane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2-Dibromoethane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2-Dichlorobenzene	370,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2-Dichloroethane	49,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,2-Dichloropropane	60,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,3,5-Trimethylbenzene	180,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,3-Dichlorobenzene	240,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,3-Dichloropropane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
1,4-Dichlorobenzene	470,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
2,2-Dichloropropane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
2-Butanone	71,600,000	< 120	< 117	< 146	< 120	< 143	< 145
2-Chloroethyl vinyl ether	NS	< 12	< 11.7	< 14.6	< 12	< 14.3	< 7.24
2-Chlorotoluene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
2-Hexanone	NS	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
4-Chlorotoluene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
4-Methyl-2-pentanone	NS	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
Acetone	100,000,000	< 120	< 117	< 146	13.4 J	< 143	< 145
Benzene	100,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Bromobenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Bromochloromethane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Bromodichloromethane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Bromoform	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Bromomethane	NS	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
Carbon disulfide	720,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Carbon tetrachloride	16,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Chlorobenzene	690,000	0.799 J	0.632 J	2.62 J	1.74 J	1.34 J,E	< 7.24
Chlorodibromomethane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 14.5
Chloroethane	100,000,000	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
Chloroform	32,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Chloromethane	NS	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
cis-1,2-Dichloroethene	12,000,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
cis-1,3-Dichloropropene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Dibromomethane	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Dichlorodifluoromethane	850,000	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
Ethylbenzene	230,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Hexachlorobutadiene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Isopropylbenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
m-,p-Xylene	160,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Methylene chloride	1,300,000	< 5.99	< 5.86	< 7.29	< 6.02	4.37 J,E	7.5 E
Naphthalene	530,000	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
n-Butylbenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
n-Hexane	180,000	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
n-Propylbenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
o-Xylene	160,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
p-Isopropyltoluene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
sec-Butylbenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Styrene	1,700,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
tert-Butylbenzene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Tetrachloroethene	370,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Toluene	520,000	< 5.99	< 5.86	1.11 J	0.649 J	1.4 J,E	2.43 J,E
trans-1,2-Dichloroethene	2,500,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
trans-1,3-Dichloropropene	NS	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	< 7.24
Trichloroethene	380,000	< 5.99	< 5.86	< 7.29	< 6.02	< 7.16	1.54 J,E
Trichlorofluoromethane	2,000,000	< 12	< 11.7	< 14.6	< 12	< 14.3	1.96 J,E
Vinyl acetate	2,700,000	< 12	< 11.7	< 14.6	< 12	< 14.3	< 14.5
Vinyl chloride	25,000	< 2.4	< 2.35	< 2.92	< 2.41	< 2.86	< 2.9

Notes:
J = Present below nominal reporting limit.
E = Estimated concentration due to sample matrix interference.
All results are shown in micrograms per kilogram (ug/kg).
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 9
Organic Results from Identified Area #1 - Suburface Soil Samples
Main Plant Area
Newark Processing

Parameter	VAP Standard (ug/kg)	MP-GP-01 6/23/2004 (2' - 4')	MP-GP-02 6/23/2004 (2' - 4')	MP-GP-03 6/23/2004 (2' - 4')	MP-GP-04 6/23/2004 (2' - 4')
1,1,1,2-Tetrachloroethane	490,000	< 5.75	< 5.88	< 5.5	< 6.32
1,1,1-Trichloroethane	1,400,000	< 5.75	< 5.88	< 5.5	< 6.32
1,1,2,2-Tetrachloroethane	55,000	< 5.75	< 5.88	< 5.5	< 6.32
1,1,2-Trichloroethane	120,000	< 5.75	< 5.88	< 5.5	< 6.32
1,1-Dichloroethane	2;300,000	< 5.75	< 5.88	< 5.5	< 6.32
1,1-Dichloroethene	7,500	< 5.75	< 5.88	< 5.5	< 6.32
1,1-Dichloropropene	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,2,3-Trichlorobenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,2,3-Trichloropropane	29,000	< 5.75	< 5.88	< 5.5	< 6.32
1,2,4-Trichlorobenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,2,4-Trimethylbenzene	210,000	< 5.75	< 5.88	< 5.5	< 6.32
1,2-Dibromo-3-chloropropane	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,2-Dibromoethane	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,2-Dichlorobenzene	370,000	< 5.75	< 5.88	< 5.5	< 6.32
1,2-Dichloroethane	49,000	< 5.75	< 5.88	< 5.5	< 6.32
1,2-Dichloropropane	60,000	< 5.75	< 5.88	< 5.5	< 6.32
1,3,5-Trimethylbenzene	180,000	< 5.75	< 5.88	< 5.5	< 6.32
1,3-Dichlorobenzene	240,000	< 5.75	< 5.88	< 5.5	< 6.32
1,3-Dichloropropane	NS	< 5.75	< 5.88	< 5.5	< 6.32
1,4-Dichlorobenzene	470,000	< 5.75	< 5.88	< 5.5	< 6.32
2,2-Dichloropropane	NS	< 5.75	< 5.88	< 5.5	< 6.32
2-Butanone	71,600,000	< 115	< 118	< 110	< 126
2-Chloroethyl vinyl ether	NS	< 11.5	< 11.8	< 11	< 12.6
2-Chlorotoluene	NS	< 5.75	< 5.88	< 5.5	< 6.32
2-Hexanone	NS	< 11.5	< 11.8	< 11	< 12.6
4-Chlorotoluene	NS	< 5.75	< 5.88	< 5.5	< 6.32
4-Methyl-2-pentanone	NS	< 11.5	< 11.8	< 11	< 12.6
Acetone	100,000,000	< 115	< 118	< 110	< 126
Benzene	100,000	< 5.75	< 5.88	< 5.5	< 6.32
Bromobenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Bromochloromethane	NS	< 5.75	< 5.88	< 5.5	< 6.32
Bromodichloromethane	NS	< 5.75	< 5.88	< 5.5	< 6.32
Bromoform	NS	< 5.75	< 5.88	< 5.5	< 6.32
Bromomethane	NS	< 11.5	< 11.8	< 11	< 12.6
Carbon disulfide	720,000	< 5.75	< 5.88	< 5.5	< 6.32
Carbon tetrachloride	16,000	< 5.75	< 5.88	< 5.5	< 6.32
Chlorobenzene	690,000	< 5.75	< 5.88	1.29 J	< 6.32
Chlorodibromomethane	NS	< 5.75	< 5.88	< 5.5	< 6.32
Chloroethane	100,000,000	< 11.5	< 11.8	< 11	< 12.6
Chloroform	32,000	< 5.75	< 5.88	< 5.5	< 6.32
Chloromethane	NS	< 11.5	< 11.8	< 11	< 12.6
cis-1,2-Dichloroethene	12,000,000	< 5.75	< 5.88	< 5.5	< 6.32
cis-1,3-Dichloropropene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Dibromomethane	NS	< 5.75	< 5.88	< 5.5	< 6.32
Dichlorodifluoromethane	850,000	< 11.5	< 11.8	< 11	< 12.6
Ethylbenzene	230,000	< 5.75	< 5.88	< 5.5	< 6.32
Hexachlorobutadiene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Isopropylbenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
m-,p-Xylene	160,000	< 5.75	< 5.88	< 5.5	< 6.32
Methylene chloride	1,300,000	< 5.75	< 5.88	< 5.5	< 6.32
Naphthalene	530,000	< 11.5	< 11.8	< 11	< 12.6
n-Butylbenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
n-Hexane	180,000	< 11.5	< 11.8	< 11	< 12.6
n-Propylbenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
o-Xylene	160,000	< 5.75	< 5.88	< 5.5	< 6.32
p-Isopropyltoluene	NS	< 5.75	< 5.88	< 5.5	< 6.32
sec-Butylbenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Styrene	1,700,000	< 5.75	< 5.88	< 5.5	< 6.32
tert-Butylbenzene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Tetrachloroethene	370,000	< 5.75	< 5.88	< 5.5	< 6.32
Toluene	520,000	< 5.75	< 5.88	0.598 J	0.64 J
trans-1,2-Dichloroethene	2,500,000	< 5.75	< 5.88	< 5.5	< 6.32
trans-1,3-Dichloropropene	NS	< 5.75	< 5.88	< 5.5	< 6.32
Trichloroethene	380,000	< 5.75	< 5.88	< 5.5	< 6.32
Trichlorofluoromethane	2,000,000	< 11.5	< 11.8	< 11	< 12.6
Vinyl acetate	2,700,000	< 11.5	< 11.8	< 11	< 12.6
Vinyl chloride	25,000	< 2.3	< 2.35	< 2.2	< 2.53

Notes:
J = Present below nominal reporting limit.
All results are shown in micrograms per kilogram (ug/kg).
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 9
Organic Results from Identified Area #1 - Suburface Soil Samples
Main Plant Area
Newark Processing

Parameter	VAP Standard (ug/kg)	MP-GP-05 6/23/2004 (2' - 4')	MP-GP-06 6/23/2004 (2' - 4')	MP-GP-07 6/23/2004 (2' - 4')
1,1,1,2-Tetrachloroethane	490,000	< 6.13	< 5.91	< 5.51
1,1,1-Trichloroethane	1,400,000	< 6.13	< 5.91	< 5.51
1,1,2,2-Tetrachloroethane	55,000	< 6.13	< 5.91	< 5.51
1,1,2-Trichloroethane	120,000	< 6.13	< 5.91	< 5.51
1,1-Dichloroethane	2,300,000	< 6.13	< 5.91	< 5.51
1,1-Dichloroethene	7,500	< 6.13	< 5.91	< 5.51
1,1-Dichloropropene	NS	< 6.13	< 5.91	< 5.51
1,2,3-Trichlorobenzene	NS	< 6.13	< 5.91	< 5.51
1,2,3-Trichloropropane	29,000	< 6.13	< 5.91	< 5.51
1,2,4-Trichlorobenzene	NS	< 6.13	< 5.91	< 5.51
1,2,4-Trimethylbenzene	210,000	1.72 J	< 5.91	< 5.51
1,2-Dibromo-3-chloropropane	NS	< 6.13	< 5.91	< 5.51
1,2-Dibromoethane	NS	< 6.13	< 5.91	< 5.51
1,2-Dichlorobenzene	370,000	< 6.13	< 5.91	< 5.51
1,2-Dichloroethane	49,000	< 6.13	< 5.91	< 5.51
1,2-Dichloropropane	60,000	< 6.13	< 5.91	< 5.51
1,3,5-Trimethylbenzene	180,000	1.03 J	< 5.91	< 5.51
1,3-Dichlorobenzene	240,000	< 6.13	< 5.91	< 5.51
1,3-Dichloropropane	NS	< 6.13	< 5.91	< 5.51
1,4-Dichlorobenzene	470,000	< 6.13	< 5.91	< 5.51
2,2-Dichloropropane	NS	< 6.13	< 5.91	< 5.51
2-Butanone	71,600,000	< 123	< 118	< 110
2-Chloroethyl vinyl ether	NS	< 12.3	< 11.8	< 11
2-Chlorotoluene	NS	< 6.13	< 5.91	< 5.51
2-Hexanone	NS	< 12.3	< 11.8	< 11
4-Chlorotoluene	NS	< 6.13	< 5.91	< 5.51
4-Methyl-2-pentanone	NS	< 12.3	< 11.8	< 11
Acetone	100,000,000	17.2 J	< 118	< 110
Benzene	100,000	< 6.13	< 5.91	< 5.51
Bromobenzene	NS	< 6.13	< 5.91	< 5.51
Bromochloromethane	NS	< 6.13	< 5.91	< 5.51
Bromodichloromethane	NS	< 6.13	< 5.91	< 5.51
Bromoform	NS	< 6.13	< 5.91	< 5.51
Bromomethane	NS	< 12.3	< 11.8	< 11
Carbon disulfide	720,000	4.21 J	< 5.91	< 5.51
Carbon tetrachloride	16,000	< 6.13	< 5.91	< 5.51
Chlorobenzene	690,000	< 6.13	< 5.91	< 5.51
Chlorodibromomethane	NS	< 6.13	< 5.91	< 5.51
Chloroethane	100,000,000	< 12.3	< 11.8	< 11
Chloroform	32,000	< 6.13	< 5.91	< 5.51
Chloromethane	NS	< 12.3	< 11.8	< 11
cis-1,2-Dichloroethene	12,000,000	< 6.13	< 5.91	< 5.51
cis-1,3-Dichloropropene	NS	< 6.13	< 5.91	< 5.51
Dibromomethane	NS	< 6.13	< 5.91	< 5.51
Dichlorodifluoromethane	850,000	< 12.3	< 11.8	< 11
Ethylbenzene	230,000	< 6.13	< 5.91	< 5.51
Hexachlorobutadiene	NS	< 6.13	< 5.91	< 5.51
Isopropylbenzene	NS	< 6.13	< 5.91	< 5.51
m-,p-Xylene	160,000	< 6.13	< 5.91	< 5.51
Methylene chloride	1,300,000	< 6.13	< 5.91	< 5.51
Naphthalene	530,000	< 12.3	< 11.8	< 11
n-Butylbenzene	NS	< 6.13	< 5.91	< 5.51
n-Hexane	180,000	< 12.3	< 11.8	< 11
n-Propylbenzene	NS	< 6.13	< 5.91	< 5.51
o-Xylene	160,000	< 6.13	< 5.91	< 5.51
p-Isopropyltoluene	NS	< 6.13	< 5.91	< 5.51
sec-Butylbenzene	NS	< 6.13	< 5.91	< 5.51
Styrene	1,700,000	< 6.13	< 5.91	< 5.51
tert-Butylbenzene	NS	< 6.13	< 5.91	< 5.51
Tetrachloroethene	370,000	< 6.13	< 5.91	3.93 J
Toluene	520,000	< 6.13	< 5.91	< 5.51
trans-1,2-Dichloroethene	2,500,000	< 6.13	< 5.91	< 5.51
trans-1,3-Dichloropropene	NS	< 6.13	< 5.91	< 5.51
Trichloroethene	380,000	< 6.13	< 5.91	< 5.51
Trichlorofluoromethane	2,000,000	< 12.3	< 11.8	< 11
Vinyl acetate	2,700,000	< 12.3	< 11.8	< 11
Vinyl chloride	25,000	< 2.45	< 2.37	< 2.2

Notes:
J = Present below nominal reporting limit.
All results are shown in micrograms per kilogram (ug/kg).
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 10
Inorganic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	WP-GP-01W 5/23/2005 (0' - 2')	WP-GP-02W 5/23/2005 (0' - 2')	WP-GP-07W 5/23/2005 (0' - 2')	WP-GP-90W 7/28/2004 (0' - 2')	WP-GP-90V 7/28/2004 (0' - 2')	WP-GP-115W 7/28/2004 (0' - 2')
Aluminum	1,000,000	N/A	N/A	N/A	152,000	174,000	175,000
Arsenic, Total	80.0	N/A	N/A	N/A	9.89	8.71	1.15 J
Barium, Total	2,000,000	N/A	N/A	N/A	380	369	334
Cadmium, Total	770	N/A	N/A	N/A	2.9	2.73	1.48
Chromium, Total	1,000,000	N/A	N/A	N/A	580	378	517
Cyanide	60,000	N/A	N/A	N/A	1.01	0.755	3.15
Fluoride	180,000	N/A	N/A	N/A	14.9	14.1	449
Lead	1,800	298	512	388	N/A	N/A	N/A
Nickel	57,000	N/A	N/A	N/A	271	332	253
Selenium, Total	15,000	N/A	N/A	N/A	41.1	39.2	5.66 J
Zinc, Total	900,000	N/A	N/A	N/A	3,880	3,730	1,080
Nitrogen, Ammonia	NS	N/A	N/A	N/A	21.3	19.7	17.3
Nitrogen, Nitrate-Nitrite	NS	N/A	N/A	N/A	45	48	30

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 10
Inorganic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	WP-GP-126W 7/28/2004 (0' - 2')	WP-GP-184W 7/28/2004 (2' - 4')	WP-GP-226W 7/28/2004 (0' - 2')	WP-GP-241W 7/28/2004 (2' - 4')	WP-GP-291W 7/28/2004 (4' - 6')
Aluminum	1,000,000	192,000	122,000	164,000	216,000	172,000
Arsenic, Total	80.0	9.97	7.9 J	7.18 J	10.3	< 6.57
Barium, Total	2,000,000	87.1	243	1720	164	75.2
Cadmium, Total	770	2.29	1.18	3.9	0.92	0.717
Chromium, Total	1,000,000	198	1060	1070	211	601
Cyanide	60,000	1.02	0.662 J	0.644 J	0.721 J	2.21
Fluoride	180,000	13.2	67	28.5	130	243
Lead	1,800	N/A	N/A	N/A	N/A	N/A
Nickel	57,000	76.6	365	250	203	289
Selenium, Total	15,000	17.9	28.2	33	15.2	1.94 J
Zinc, Total	900,000	747	2,100	2,740	571	570
Nitrogen, Ammonia	NS	22	11.6	370	349	236
Nitrogen, Nitrate-Nitrite	NS	600	7.1	320	37	320

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 10
Inorganic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	WP-GP-291V 7/28/2004 (4' - 6')	WP-GP-391W 7/28/2004 (0' - 2')	WP-GP-401W 7/27/2004 (4' - 6')	WP-GP-432W 7/28/2004 (2' - 4')	WP-GP-478W 7/27/2004 (2' - 4')	WP-GP-451W 7/27/2004 (2' - 4')
Aluminum	1,000,000	146,000	146,000	184,000	167,000	152,000	135,000
Arsenic, Total	80.0	< 6.93	7.35 J	2.35 J	8.89	1.89 J	5.88
Barium, Total	2,000,000	66.8	205	403	557	33.8	78.9
Cadmium, Total	770	0.499 J	1.52	0.607	0.584 J	0.601 J	0.512
Chromium, Total	1,000,000	567	242	228	128	58.2	44.5
Cyanide	60,000	1.68	0.702 J	0.497 J	1.51	1.32	< 0.731
Fluoride	180,000	267	31.2	64.7	19.5	316	585
Lead	1,800	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	57,000	473	162	131	57.1	30.3	31
Selenium, Total	15,000	3.3 J	32.7	3.65 J	9.22	1.59 J	6.94
Zinc, Total	900,000	481	2,860	412	340	1,640	303
Nitrogen, Ammonia	NS	139	29.2	370	825	19	31.3
Nitrogen, Nitrate-Nitrite	NS	380	410	100	950	44	210

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 11
Inorganic Results from Identified Area #2 - Subsurface Soil Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	WP-GP-115S 7/28/2004 (6' - 8')	WP-GP-126S 7/28/2004 (5' - 8')	WP-GP-241S 7/28/2004 (8' - 10')	WP-GP-255S 7/28/2004 (1' - 3')	WP-GP-255R 7/28/2004 (1' - 3')	WP-GP-291S 7/28/2004 (7' - 9')	WP-GP-401S 7/27/2004 (7' - 9')
Aluminum	1,000,000	21,100	9,070	6,530	11,600	11,100	24,900	6,360
Arsenic, Total	80.0	12.2	21.8	10.8	13.4	11.4	15.4	31.1
Barium, Total	2,000,000	87.5	77.6	45.7	86.5	76.6	45.7	150
Cadmium, Total	770	0.74	0.42 J	0.244 J	0.22 J	0.221 J	0.586	0.91 J
Chromium, Total	1,000,000	133	15.8	11.5	18.8	19	23.2	20.3
Cyanide	60,000	0.769	< 0.565	< 0.554	< 0.59	< 0.592	< 0.56	< 0.893
Fluoride	180,000	8.41	< 1.17	28.8	< 1.23	< 1.2	65.3	1.6
Nickel	57,000	31	22.4	16	22.5	21.1	32.8	22.3
Selenium, Total	15,000	6.8	2.24 J	1.94 J	3.77 J	3.44 J	3.4 J	4.77 J
Zinc, Total	900,000	376	83.9	83.4	76.5	83.8	227	117
Nitrogen, Ammonia	NS	368	236	140	386	359	344	121
Nitrogen, Nitrate-Nitrite	NS	82	3.7	4.1	18	18	36	1.1

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)
Bold text indicates that the value exceeds VAP Standard.

TABLE 12
Organic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	WP-GP-90W 7/28/2004 (0' - 2')	WP-GP-90V 7/28/2004 (0' - 2')	WP-GP-115W 7/28/2004 (0' - 2')	WP-GP-126W 7/28/2004 (0' - 2')	WP-GP-184W 7/28/2004 (2' - 4')	WP-GP-226W 7/28/2004 (0' - 2')
1,1,1,2-Tetrachloroethane	490,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1,1-Trichloroethane	1,400,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1,2,2-Tetrachloroethane	55,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1,2-Trichloroethane	120,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1-Dichloroethane	2,300,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1-Dichloroethene	7,500	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,1-Dichloropropene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2,3-Trichlorobenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2,3-Trichloropropane	29,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2,4-Trichlorobenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2,4-Trimethylbenzene	210,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2-Dibromo-3-chloropropane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2-Dibromoethane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2-Dichlorobenzene	370,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2-Dichloroethane	49,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,2-Dichloropropane	60,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,3,5-Trimethylbenzene	180,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,3-Dichlorobenzene	240,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,3-Dichloropropane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
1,4-Dichlorobenzene	470,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
2,2-Dichloropropane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
2-Butanone	71,600,000	< 151	< 147	< 148	< 149	< 166	< 162
2-Chloroethyl vinyl ether	NS	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
2-Chlorotoluene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
2-Hexanone	NS	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
4-Chlorotoluene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
4-Methyl-2-pentanone	NS	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Acetone	100,000,000	< 151	< 147	< 148	< 149	< 166	< 162
Benzene	100,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Bromobenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Bromochloromethane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Bromodichloromethane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Bromoform	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Bromomethane	NS	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Carbon disulfide	720,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Carbon tetrachloride	16,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Chlorobenzene	690,000	4.23 J	8.34	1.9 J	< 7.47	< 8.32	< 8.12
Chlorodibromomethane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Chloroethane	100,000,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Chloroform	32,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Chloromethane	NS	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
cis-1,2-Dichloroethene	12,000,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
cis-1,3-Dichloropropene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Dibromomethane	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Dichlorodifluoromethane	850,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Ethylbenzene	230,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Hexachlorobutadiene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Isopropylbenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
m-,p-Xylene	160,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Methylene chloride	1,300,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Naphthalene	530,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
n-Butylbenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
n-Hexane	180,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
n-Propylbenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
o-Xylene	160,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
p-Isopropyltoluene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
sec-Butylbenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Styrene	1,700,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
tert-Butylbenzene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Tetrachloroethene	370,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Toluene	520,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
trans-1,2-Dichloroethene	2,500,000	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
trans-1,3-Dichloropropene	NS	< 7.57	< 7.34	< 7.4	< 7.47	< 8.32	< 8.12
Trichloroethene	380,000	< 7.57	< 7.34	2.67 J	< 7.47	< 8.32	< 8.12
Trichlorofluoromethane	2,000,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Vinyl acetate	2,700,000	< 15.1	< 14.7	< 14.8	< 14.9	< 16.6	< 16.2
Vinyl chloride	25,000	< 3.03	< 2.94	< 2.96	< 2.99	< 3.33	< 3.25

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 12
Organic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	WP-GP-241W 7/28/2004 (2' - 4')	WP-GP-241W (2nd set) 7/28/2004 (2' - 4')	WP-GP-291W 7/28/2004 (4' - 6')	WP-GP-291W (2nd set) 7/28/2004 (4' - 6')	WP-GP-291V 7/28/2004 (4' - 6')	WP-GP-391W 7/28/2004 (0' - 2')
1,1,1,2-Tetrachloroethane	490,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1,1-Trichloroethane	1,400,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1,2,2-Tetrachloroethane	55,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1,2-Trichloroethane	120,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1-Dichloroethane	2,300,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1-Dichloroethene	7,500	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,1-Dichloropropene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2,3-Trichlorobenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2,3-Trichloropropane	29,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2,4-Trichlorobenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2,4-Trimethylbenzene	210,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2-Dibromo-3-chloropropane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2-Dibromoethane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2-Dichlorobenzene	370,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2-Dichloroethane	49,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,2-Dichloropropane	60,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,3,5-Trimethylbenzene	180,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,3-Dichlorobenzene	240,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,3-Dichloropropane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
1,4-Dichlorobenzene	470,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
2,2-Dichloropropane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
2-Butanone	71,600,000	< 150	< 150	< 145	< 145	< 153	< 173
2-Chloroethyl vinyl ether	NS	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
2-Chlorotoluene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
2-Hexanone	NS	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
4-Chlorotoluene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
4-Methyl-2-pentanone	NS	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Acetone	100,000,000	< 150	< 150	< 145	< 145	16.3 J,B	< 173
Benzene	100,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Bromobenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Bromochloromethane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Bromodichloromethane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Bromoform	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Bromomethane	NS	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Carbon disulfide	720,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Carbon tetrachloride	16,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Chlorobenzene	690,000	9.9	4.27 J	20.9	20.3	23.4	7.87 J
Chlorodibromomethane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Chloroethane	100,000,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Chloroform	32,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Chloromethane	NS	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
cis-1,2-Dichloroethene	12,000,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
cis-1,3-Dichloropropene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Dibromomethane	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Dichlorodifluoromethane	850,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Ethylbenzene	230,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Hexachlorobutadiene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Isopropylbenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
m-,p-Xylene	160,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Methylene chloride	1,300,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Naphthalene	530,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
n-Butylbenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
n-Hexane	180,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
n-Propylbenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
o-Xylene	160,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
p-Isopropyltoluene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
sec-Butylbenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Styrene	1,700,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
tert-Butylbenzene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Tetrachloroethene	370,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Toluene	520,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
trans-1,2-Dichloroethene	2,500,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
trans-1,3-Dichloropropene	NS	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Trichloroethene	380,000	< 7.49	< 7.49	< 7.23	< 7.23	< 7.63	< 8.65
Trichlorofluoromethane	2,000,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Vinyl acetate	2,700,000	< 15	< 15	< 14.5	< 14.5	< 15.3	< 17.3
Vinyl chloride	25,000	< 3	< 3	< 2.89	< 2.89	< 3.05	< 3.46

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 12
Organic Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	WP-GP-401W 7/27/2004 (4' - 6')	WP-GP-401W (2nd set) 7/27/2004 (4' - 6')	WP-GP-432W 7/28/2004 (2' - 4')	WP-GP-451W 7/27/2004 (2' - 4')	WP-GP-478W 7/27/2004 (2' - 4')	WP-GP-478W (2nd set) 7/27/2004 (2' - 4')
1,1,1,2-Tetrachloroethane	95,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1,1-Trichloroethane	990,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1,2,2-Tetrachloroethane	11,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1,2-Trichloroethane	24,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1-Dichloroethane	580,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1-Dichloroethene	1,600	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,1-Dichloropropene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2,3-Trichlorobenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2,3-Trichloropropane	1,500	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2,4-Trichlorobenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2,4-Trimethylbenzene	22,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2-Dibromo-3-chloropropane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2-Dibromoethane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2-Dichlorobenzene	150,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2-Dichloroethane	10,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,2-Dichloropropane	6,400	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,3,5-Trimethylbenzene	19,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,3-Dichlorobenzene	68,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,3-Dichloropropane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
1,4-Dichlorobenzene	95,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
2,2-Dichloropropane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
2-Butanone	6,700,000	< 135	< 135	< 138	< 151	< 160	< 160
2-Chloroethyl vinyl ether	NS	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
2-Chlorotoluene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
2-Hexanone	NS	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
4-Chlorotoluene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
4-Methyl-2-pentanone	700,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Acetone	7,300,000	< 135	7 J,B	< 138	< 151	< 160	< 160
Benzene	9,800	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Bromobenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Bromochloromethane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Bromodichloromethane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Bromoform	130,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Bromomethane	NS	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Carbon disulfide	350,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Carbon tetrachloride	1,700	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Chlorobenzene	150,000	< 6.75	3.88 J	3.65 J	1.02 J	< 8	4.44 J
Chlorodibromomethane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Chloroethane	8,800,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Chloroform	7,300	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Chloromethane	NS	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
cis-1,2-Dichloroethene	760,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
cis-1,3-Dichloropropene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Dibromomethane	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Dichlorodifluoromethane	120,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Ethylbenzene	1,500,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Hexachlorobutadiene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Isopropylbenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
m-,p-Xylene	160,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Methylene chloride	250,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Naphthalene	54,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
n-Butylbenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
n-Hexane	71,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
n-Propylbenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
o-Xylene	160,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
p-Isopropyltoluene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
sec-Butylbenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Styrene	1,700,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
tert-Butylbenzene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Tetrachloroethene	130,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Toluene	520,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
trans-1,2-Dichloroethene	1,500,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
trans-1,3-Dichloropropene	NS	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Trichloroethene	80,000	< 6.75	< 6.75	< 6.91	< 7.54	< 8	< 8
Trichlorofluoromethane	490,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Vinyl acetate	410,000	< 13.5	< 13.5	< 13.8	< 15.1	< 16	< 16
Vinyl chloride	3,700	< 2.7	< 2.7	< 2.76	< 3.02	< 3.2	< 3.2

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 13
Organic Results from Identified Area #2 - Subsurface Soil Samples
West Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	WP-GP-115S 7/28/2004 (6' - 8')	WP-GP-126S 7/28/2004 (5' - 8')	WP-GP-241S 7/28/2004 (8' - 10')	WP-GP-255S 7/28/2004 (1' - 3')	WP-GP-255R 7/28/2004 (1' - 3')	WP-GP-291S 7/28/2004 (7' - 9')	WP-GP-401S 7/27/2004 (7' - 9')
1,1,1,2-Tetrachloroethane	490,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1,1-Trichloroethane	1,400,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1,2,2-Tetrachloroethane	55,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1,2-Trichloroethane	120,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1-Dichloroethane	2,300,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1-Dichloroethene	7,500	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,1-Dichloropropene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2,3-Trichlorobenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2,3-Trichloropropane	29,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2,4-Trichlorobenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2,4-Trimethylbenzene	210,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2-Dibromo-3-chloropropane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2-Dibromoethane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2-Dichlorobenzene	370,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2-Dichloroethane	49,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,2-Dichloropropane	60,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,3,5-Trimethylbenzene	180,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,3-Dichlorobenzene	240,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,3-Dichloropropane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
1,4-Dichlorobenzene	470,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
2,2-Dichloropropane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
2-Butanone	71,600,000	4.21 J	8.14 J	3.95 J	14 J	14.5 J	17.3 J	< 183
2-Chloroethyl vinyl ether	NS	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
2-Chlorotoluene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
2-Hexanone	NS	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
4-Chlorotoluene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
4-Methyl-2-pentanone	NS	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Acetone	100,000,000	70.4 J	49.9 J	43 J	95.6 J,B	93 J,B	114 J,B	19.7 J,B
Benzene	100,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Bromobenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Bromochloromethane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Bromodichloromethane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Bromoform	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Bromomethane	NS	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Carbon disulfide	720,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Carbon tetrachloride	16,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Chlorobenzene	690,000	4.19 J	< 5.72	1.83 J	2.72 J	3.23 J	3.81 J	< 9.14
Chlorodibromomethane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Chloroethane	100,000,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Chloroform	32,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Chloromethane	NS	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
cis-1,2-Dichloroethene	12,000,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
cis-1,3-Dichloropropene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Dibromomethane	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Dichlorodifluoromethane	850,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Ethylbenzene	230,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Hexachlorobutadiene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Isopropylbenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
m-,p-Xylene	160,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Methylene chloride	1,300,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Naphthalene	530,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
n-Butylbenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
n-Hexane	180,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
n-Propylbenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
o-Xylene	160,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
p-Isopropyltoluene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
sec-Butylbenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Styrene	1,700,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
tert-Butylbenzene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Tetrachloroethene	370,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Toluene	520,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
trans-1,2-Dichloroethene	2,500,000	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
trans-1,3-Dichloropropene	NS	< 6.18	< 5.72	< 5.61	< 5.94	< 5.95	< 5.8	< 9.14
Trichloroethene	380,000	< 6.18	< 5.72	1.37 J	< 5.94	< 5.95	< 5.8	< 9.14
Trichlorofluoromethane	2,000,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Vinyl acetate	2,700,000	< 12.4	< 11.4	< 11.2	< 11.9	< 11.9	< 11.6	< 18.3
Vinyl chloride	25,000	< 2.47	< 2.29	< 2.24	< 2.38	< 2.38	< 2.32	< 3.66

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 14
Dioxin Results from Identified Area #2 - Dross Material Samples
West Pile Area
Newark Processing

Parameter	TEFs	WP-GP-478W 7/27/2004 (2' - 4')	TEFs	WP-GP-241W 7/28/2004 (2' - 4')	TEFs	WP-GP-126W 7/28/2004 (0' - 2')	TEFs
2,3,7,8-TCDD	1	< 131	0	< 122	0	< 129	0
1,2,3,7,8-PeCDD	1	< 131	0	< 122	0	< 129	0
1,2,3,4,7,8-HxCDD	0.1	< 328	0	< 304	0	< 618	0
1,2,3,6,7,8-HxCDD	0.1	< 328	0	< 304	0	< 565	0
1,2,3,7,8,9-HxCDD	0.1	< 328	0	< 304	0	< 569	0
1,2,3,4,6,7,8-HpCDD	0.01	< 328	0	< 304	0	376	3.8
OCDD	0.0001	< 656	0	< 608	0	790	0.1
2,3,7,8-TCDF	0.1	< 131	0	< 122	0	< 129	0
1,2,3,7,8-PeCDF	0.05	< 131	0	< 122	0	* 110	5.5
2,3,4,7,8-PeCDF	0.5	< 131	0	< 122	0	230	115.0
1,2,3,4,7,8-HxCDF	0.1	< 328	0	< 304	0	169	16.9
1,2,3,6,7,8-HxCDF	0.1	< 328	0	< 304	0	174	17.4
2,3,4,6,7,8-HxCDF	0.1	< 328	0	< 304	0	299	29.9
1,2,3,7,8,9-HxCDF	0.1	< 328	0	< 304	0	117	11.7
1,2,3,4,6,7,8-HpCDF	0.01	< 328	0	< 304	0	1190	11.9
1,2,3,4,7,8,9-HpCDF	0.01	< 328	0	< 304	0	< 321	0
OCDF	0.0001	< 656	0	< 608	0	1400	0.1
Total TEFs			0		0		212.3

Notes:
All results are given in pg/g.
* denotes Estimated Maximium Possible Concentration.
TEFs = Toxic Equivalency Factors for Dioxin Compounds.

TABLE 15
Inorganic Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	SP-GP-1W 7/26/2004 (10' - 12')	SP-GP-07W 6/22/2004 (10' - 12')	SP-GP-08W 6/22/2004 (12' - 14')	SP-GP-11W 5/23/2005 (0' - 2')	SP-GP-12W 6/22/2004 (2' - 4')
Aluminum	1,000,000	175,000	150,000	194,000	N/A	159,000
Arsenic, Total	80.0	9.67	6.45	8.99	N/A	7.01
Barium, Total	2,000,000	296	120	190	N/A	373
Cadmium, Total	770	12.8	0.64	1.69	N/A	4.72
Chromium, Total	1,000,000	260	131	175	N/A	214
Cyanide	60,000	6.01	0.474 J	0.602 J	N/A	0.771
Fluoride	180,000	223	64.2	95.8	N/A	82.5
Lead	1,800	N/A	N/A	N/A	362	N/A
Nickel	57,000	148	63.2	90.4	N/A	177
Selenium, Total	15,000	46.5	16.1	26.4	N/A	34.6
Zinc, Total	900,000	2,040	749	1,190	N/A	< 89.6*
Nitrogen, Ammonia	NS	261	262	35.2	N/A	165
Nitrogen, Nitrate-Nitrite	NS	5.7	13	1.9	N/A	340

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate).
Bold text indicates that the value exceeds VAP Standard.
*2nd result for Zinc on SP-GP-12W (only Zinc had 2 results) was 2810 mg/kg.
N/A = Not analyzed for this parameter.

TABLE 15
Inorganic Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	SP-GP-13W 6/22/2004 (14' - 16')	SP-GP-14W 6/22/2004 (6' - 8')	SP-GP-17V 6/22/2004 (2' - 4')	SP-GP-17W 6/22/2004 (2' - 4')	SP-GP-19W 7/26/2004 (2' - 4')
Aluminum	75,000	173,000	176,000	165,000	162,000	136,000
Arsenic, Total	6.8	7.24	6.56	16.7	10.3	9.92
Barium, Total	5,400	153	181	302	413	275
Cadmium, Total	35	2.14	1.04	2.4	2.41	3.33
Chromium, Total	120,000	156	161	291	254	226
Cyanide	1,600	0.609	0.519 J	0.831 J	0.537 J	0.825
Fluoride	4,700	297	291	1430	1320	166
Lead	1,800	N/A	N/A	N/A	N/A	274
Nickel	1,500	187	97.9	135	137	80.9
Selenium, Total	390	26.7	19.8	32.1	33.2	30.2
Zinc, Total	23,000	1,450	924	1,650	1,870	1,700
Nitrogen, Ammonia	NS	819	41.9	178	203	13.9
Nitrogen, Nitrate-Nitrite	NS	< 0.73	< 0.61	190	190	270

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate).
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 15
Inorganic Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	SP-GP-20W 7/26/2004 (2' - 4')	SP-GP-21W 7/26/2004 (2' - 4')	SP-GP-22W 6/22/2004 (2' - 4')	SP-GP-26W 5/23/2005 (0' - 2')	SP-GP-26V 5/23/2005 (0' - 2')	SP-GP-29W 6/22/2004 (8' - 10')
Aluminum	75,000	207,000	171,000	173,000	N/A	N/A	186,000
Arsenic, Total	6.8	3.4 J	4.65 J	10.3	N/A	N/A	6.45
Barium, Total	5,400	134	455	536	N/A	N/A	198
Cadmium, Total	35	1.6	3.97	4.53	N/A	N/A	1.73
Chromium, Total	120,000	320	269	301	N/A	N/A	160
Cyanide	1,600	0.32 J	3.64	1.1	N/A	N/A	1.93
Fluoride	4,700	108	< 1.74	86.1	N/A	N/A	591
Lead	1,800	N/A	N/A	N/A	471	482	N/A
Nickel	1,500	213	142	162	N/A	N/A	115
Selenium, Total	390	3.52 J	39.9	42.3	N/A	N/A	25.7
Zinc, Total	23,000	1,750	1,690	2,400	N/A	N/A	1,390
Nitrogen, Ammonia	NS	7.97	582	17.3	N/A	N/A	425
Nitrogen, Nitrate-Nitrite	NS	17	14	230	N/A	N/A	50

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate).
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 16
Inorganic Results from Identified Area #3 - Subsurface Soil Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	SP-GP-1S 7/26/2004 (23' - 25')	SP-GP-07S 6/22/2004 (18.5' - 20')	SP-GP-08S 6/22/2004 (17.75' - 19')	SP-GP-12S 6/22/2004 (12' - 14')	SP-GP-13S 6/22/2004 (18' - 20')	SP-GP-14S 6/22/2004 (14' - 16')	SP-GP-17R 6/22/2004 (11' - 13')
Aluminum	1,000,000	2,960	6,380	8,490	10,700	7,980	8,640	9,100
Arsenic, Total	80.0	7.98	18.1	15.6	14.5	16.3	12.9	28.2
Barium, Total	2,000,000	13.3	97.7	84.9	95.2	122	73.4	123
Cadmium, Total	770	0.493	0.519	0.436 J	0.585	0.435 J	0.77	0.81
Chromium, Total	1,000,000	6.71	11.9	19.5	16.9	15.1	14.4	16.3
Cyanide	60,000	< 0.562	< 0.575	< 0.662	< 0.553	< 0.643	< 0.564	< 0.585
Fluoride	180,000	1.42	39.8	32.7	10.8	35.1	74	20.4
Nickel	57,000	12.3	20.2	17.5	26.9	18.2	18.4	28.5
Selenium, Total	15,000	1.12 J	4.44 J	6.19	4.71	6.84	5.5	6.62
Zinc, Total	900,000	59.3	62.1	96.6	92.3	89.9	131	103
Nitrogen, Ammonia	NS	33.6	233	372	1400	698	189	552
Nitrogen, Nitrate-Nitrite	NS	0.6	< 30	< 63	< 35	< 55	< 130	< 28

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate).
Bold text indicates that the value exceeds VAP Standard.

TABLE 16
Inorganic Results from Identified Area #3 - Subsurface Soil Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	SP-GP-17S 6/22/2004 (11' - 13')	SP-GP-19S 7/26/2004 (12' - 14')	SP-GP-20S 7/26/2004 (9.5')	SP-GP-21S 7/26/2004 (14' - 15')	SP-GP-22S 6/22/2004 (0' - 1')	SP-GP-29S 6/22/2004 (17.6' - 20')
Aluminum	1,000,000	9,210	6,560	4,700	12,900	10,700	7,610
Arsenic, Total	80.0	26.5	13.9	16.3	9.12	24.5	14.8
Barium, Total	2,000,000	80.2	56.5	37.8	66	188	54.5
Cadmium, Total	770	0.611	0.499	0.398 J	0.39 J	0.379 J	0.5 J
Chromium, Total	1,000,000	14.8	13.3	8.27	22.4	23	17.7
Cyanide	60,000	< 0.591	< 0.544	< 0.544	< 0.635	< 0.876	< 0.586
Fluoride	180,000	19.5	41.6	3.82	11.5	45.9	49.3
Nickel	57,000	29	16.8	17.1	26.3	27.7	34.3
Selenium, Total	15,000	5.64	1.35 J	1.56 J	3.83 J	9.32	6.9
Zinc, Total	900,000	90.1	118	50.4	104	150	132
Nitrogen, Ammonia	NS	594	45.8	49.7	239	91.6	684
Nitrogen, Nitrate-Nitrite	NS	< 14	< 28	15	< 17	< 62	< 29

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate).
Bold text indicates that the value exceeds VAP Standard.

TABLE 17
Organic Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	SP-GP-1W 7/26/2004 (10' - 12')	SP-GP-1W (2nd set) 7/26/2004 (10' - 12')	SP-GP-07W 6/22/2004 (10' - 12')	SP-GP-08W 6/22/2004 (12' - 14')	SP-GP-12W 6/22/2004 (2' - 4')	SP-GP-13W 6/22/2004 (14' - 16')	SP-GP-14W 6/22/2004 (6' - 8')
1,1,1,2-Tetrachloroethane	490,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1,1-Trichloroethane	1,400,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1,2,2-Tetrachloroethane	55,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1,2-Trichloroethane	120,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1-Dichloroethane	2,300,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1-Dichloroethene	7,500	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,1-Dichloropropene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2,3-Trichlorobenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2,3-Trichloropropane	29,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2,4-Trichlorobenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2,4-Trimethylbenzene	210,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2-Dibromo-3-chloropropane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2-Dibromoethane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2-Dichlorobenzene	370,000	< 7.36	< 7.36	< 5.87	2.15 J,B,E	< 6.54	< 5.89	< 5.87
1,2-Dichloroethane	49,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,2-Dichloropropane	60,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,3,5-Trimethylbenzene	180,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,3-Dichlorobenzene	240,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,3-Dichloropropane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
1,4-Dichlorobenzene	470,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
2,2-Dichloropropane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
2-Butanone	71,600,000	6.46 J	6.82 J	< 117	< 131	< 131	< 118	< 117
2-Chloroethyl vinyl ether	NS	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
2-Chlorotoluene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
2-Hexanone	NS	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
4-Chlorotoluene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
4-Methyl-2-pentanone	NS	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Acetone	100,000,000	112 J,B	125 J,B	15.7 J	< 131	22 J	77.6 J	11.9 J
Benzene	100,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Bromobenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Bromochloromethane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Bromodichloromethane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Bromoform	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Bromomethane	NS	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Carbon disulfide	720,000	4.16 J	6.59 J	< 5.87	< 6.57	< 6.54	3.57 J	< 5.87
Carbon tetrachloride	16,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Chlorobenzene	690,000	1.54 J	1.73 J	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Chlorodibromomethane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Chloroethane	100,000,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Chloroform	32,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Chloromethane	NS	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
cis-1,2-Dichloroethene	12,000,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
cis-1,3-Dichloropropene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Dibromomethane	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Dichlorodifluoromethane	850,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Ethylbenzene	230,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Hexachlorobutadiene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Isopropylbenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
m-,p-Xylene	160,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Methylene chloride	1,300,000	< 7.36	< 7.36	< 5.87	4.25 J	< 6.54	< 5.89	< 5.87
Naphthalene	530,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
n-Butylbenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
n-Hexane	180,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
n-Propylbenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
o-Xylene	160,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
p-Isopropyltoluene	NS	1.15 J,E	0.793 J,E	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
sec-Butylbenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Styrene	1,700,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
tert-Butylbenzene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Tetrachloroethene	370,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Toluene	520,000	< 7.36	< 7.36	0.632 J	< 6.57	1.49 J	< 5.89	< 5.87
trans-1,2-Dichloroethene	2,500,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
trans-1,3-Dichloropropene	NS	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Trichloroethene	380,000	< 7.36	< 7.36	< 5.87	< 6.57	< 6.54	< 5.89	< 5.87
Trichlorofluoromethane	2,000,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Vinyl acetate	2,700,000	< 14.7	< 14.7	< 11.7	< 13.1	< 13.1	< 11.8	< 11.7
Vinyl chloride	25,000	< 2.94	< 2.94	< 2.35	< 2.63	< 2.62	< 2.35	< 2.35

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 17
Organic Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	SP-GP-17W 6/22/2004 (2' - 4')	SP-GP-17V 6/22/2004 (2' - 4')	SP-GP-19W 7/28/2004 (2' - 4')	SP-GP-20W 7/26/2004 (2' - 4')	SP-GP-21W 7/26/2004 (2' - 4')	SP-GP-22W 6/22/2004 (2' - 4')	SP-GP-29W 6/22/2004 (8' - 10')
1,1,1,2-Tetrachloroethane	95,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1,1-Trichloroethane	990,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1,2,2-Tetrachloroethane	11,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1,2-Trichloroethane	24,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1-Dichloroethane	580,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1-Dichloroethene	1,600	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,1-Dichloropropene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2,3-Trichlorobenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2,3-Trichloropropane	1,500	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2,4-Trichlorobenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2,4-Trimethylbenzene	22,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2-Dibromo-3-chloropropane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2-Dibromoethane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2-Dichlorobenzene	150,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,2-Dichloroethane	10,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	37.6 J
1,2-Dichloropropane	6,400	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,3,5-Trimethylbenzene	19,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,3-Dichlorobenzene	68,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,3-Dichloropropane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
1,4-Dichlorobenzene	95,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
2,2-Dichloropropane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
2-Butanone	6,700,000	< 159	< 182	< 138	< 130	< 171	< 182	< 117
2-Chloroethyl vinyl ether	NS	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
2-Chlorotoluene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
2-Hexanone	NS	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
4-Chlorotoluene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
4-Methyl-2-pentanone	700,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Acetone	7,300,000	29.9 J	47.5 J	< 138	< 130	12.5 J	< 182	37.6 J
Benzene	9,800	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Bromobenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Bromochloromethane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Bromodichloromethane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Bromoform	130,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Bromomethane	NS	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Carbon disulfide	350,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Carbon tetrachloride	1,700	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Chlorobenzene	150,000	< 7.94	< 9.09	0.828 J	25.2	< 8.57	< 9.09	< 5.86
Chlorodibromomethane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Chloroethane	8,800,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Chloroform	7,300	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Chloromethane	NS	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
cis-1,2-Dichloroethene	760,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
cis-1,3-Dichloropropene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Dibromomethane	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Dichlorodifluoromethane	120,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Ethylbenzene	1,500,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Hexachlorobutadiene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Isopropylbenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
m-,p-Xylene	160,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Methylene chloride	250,000	< 7.94	< 9.09	< 6.9	< 6.51	2.49 J	< 9.09	< 5.86
Naphthalene	54,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
n-Butylbenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
n-Hexane	71,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
n-Propylbenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
o-Xylene	160,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
p-Isopropyltoluene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
sec-Butylbenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Styrene	1,700,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
tert-Butylbenzene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Tetrachloroethene	130,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Toluene	520,000	1.89 J	< 9.09	< 6.9	< 6.51	< 8.57	1.75 J,E	< 5.86
trans-1,2-Dichloroethene	1,500,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
trans-1,3-Dichloropropene	NS	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	< 9.09	< 5.86
Trichloroethene	80,000	< 7.94	< 9.09	< 6.9	< 6.51	< 8.57	0.93 J	< 5.86
Trichlorofluoromethane	490,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Vinyl acetate	410,000	< 15.9	< 18.2	< 13.8	< 13	< 17.1	< 18.2	< 11.7
Vinyl chloride	3,700	3.18	< 3.64	< 2.76	< 2.6	< 3.43	< 3.64	< 2.34

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 18
Organic Results from Identified Area #3 - Subsurface Soil Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	SP-GP-1S 7/26/2004 (23' - 25')	SP-GP-1S (2nd set) 7/26/2004 (23' - 25')	SP-GP-07S 6/22/2004 (18.5' - 20')	SP-GP-08S 6/22/2004 (17.75' - 19')	SP-GP-12S 6/22/2004 (12' - 14')	SP-GP-13S 6/22/2004 (18.1' - 20')	SP-GP-14S 6/22/2004 (14' - 16')
1,1,1,2-Tetrachloroethane	490,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1,1-Trichloroethane	1,400,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1,2,2-Tetrachloroethane	55,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1,2-Trichloroethane	120,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1-Dichloroethane	2,300,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1-Dichloroethene	7,500	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,1-Dichloropropene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2,3-Trichlorobenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2,3-Trichloropropane	29,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2,4-Trichlorobenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2,4-Trimethylbenzene	210,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2-Dibromo-3-chloropropane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2-Dibromoethane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2-Dichlorobenzene	370,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2-Dichloroethane	49,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,2-Dichloropropane	60,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,3,5-Trimethylbenzene	180,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,3-Dichlorobenzene	240,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,3-Dichloropropane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
1,4-Dichlorobenzene	470,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
2,2-Dichloropropane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
2-Butanone	71,600,000	< 115	< 115	6.35 J	25.8 J	11.1 J	17.1 J	6.01 J
2-Chloroethyl vinyl ether	NS	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
2-Chlorotoluene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
2-Hexanone	NS	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
4-Chlorotoluene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
4-Methyl-2-pentanone	NS	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Acetone	100,000,000	< 115	< 115	30.J J	152	97.5 J	80.1 J	29.5 J
Benzene	100,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Bromobenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Bromochloromethane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Bromodichloromethane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Bromoform	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Bromomethane	NS	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Carbon disulfide	720,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Carbon tetrachloride	16,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Chlorobenzene	690,000	0.63 J	3.91 J	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Chlorodibromomethane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Chloroethane	100,000,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Chloroform	32,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Chloromethane	NS	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
cis-1,2-Dichloroethene	12,000,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
cis-1,3-Dichloropropene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Dibromomethane	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Dichlorodifluoromethane	850,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Ethylbenzene	230,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Hexachlorobutadiene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Isopropylbenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
m-,p-Xylene	160,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Methylene chloride	1,300,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	2.5 J	< 6
Naphthalene	530,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
n-Butylbenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
n-Hexane	180,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
n-Propylbenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
o-Xylene	160,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
p-Isopropyltoluene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
sec-Butylbenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Styrene	1,700,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
tert-Butylbenzene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Tetrachloroethene	370,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Toluene	520,000	< 5.73	< 5.73	< 5.89	0.95 J	1.45 J	0.74 J	< 6
trans-1,2-Dichloroethene	2,500,000	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
trans-1,3-Dichloropropene	NS	< 5.73	< 5.73	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Trichloroethene	360,000	< 5.73	0.58 J	< 5.89	< 6.9	< 5.87	< 6.57	< 6
Trichlorofluoromethane	2,000,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Vinyl acetate	2,700,000	< 11.5	< 11.5	< 11.8	< 13.8	< 11.7	< 13.1	< 12
Vinyl chloride	25,000	< 2.29	< 2.29	< 2.35	< 2.76	< 2.35	< 2.63	< 2.4

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 18
Organic Results from Identified Area #3 - Subsurface Soil Samples
South Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	SP-GP-17R 6/22/2004 (11' - 13')	SP-GP-17S 6/22/2004 (11' - 13')	SP-GP-19S 7/28/2004 (12' - 14')	SP-GP-20S 7/26/2004 (9.5')	SP-GP-21S 7/26/2004 (14' - 15')	SP-GP-22S 6/22/2004 (0' - 1')	SP-GP-29S 6/22/2004 (17.6' - 20')
1,1,1,2-Tetrachloroethane	490,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1,1-Trichloroethane	1,400,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1,2,2-Tetrachloroethane	55,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1,2-Trichloroethane	120,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1-Dichloroethane	2,300,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1-Dichloroethene	7,500	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,1-Dichloropropene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2,3-Trichlorobenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2,3-Trichloropropane	29,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2,4-Trichlorobenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2,4-Trimethylbenzene	210,000	< 5.99	< 6.46	0.826 J	< 5.49	< 6.38	< 9.09	< 6.02
1,2-Dibromo-3-chloropropane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2-Dibromoethane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2-Dichlorobenzene	370,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2-Dichloroethane	49,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,2-Dichloropropane	60,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,3,5-Trimethylbenzene	180,000	< 5.99	< 6.46	0.647 J	< 5.49	< 6.38	< 9.09	< 6.02
1,3-Dichlorobenzene	240,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,3-Dichloropropane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
1,4-Dichlorobenzene	470,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
2,2-Dichloropropane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
2-Butanone	71,600,000	18.4 J	12.6 J	23.8 J	< 110	5.98 J	24.1 J	< 120
2-Chloroethyl vinyl ether	NS	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
2-Chlorotoluene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
2-Hexanone	NS	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
4-Chlorotoluene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
4-Methyl-2-pentanone	NS	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Acetone	100,000,000	84.4 J	82 J	135	< 110	61.3 J	107 J	47 J
Benzene	100,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Bromobenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Bromochloromethane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Bromodichloromethane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Bromoform	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Bromomethane	NS	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Carbon disulfide	720,000	< 5.99	0.799 J	2.26 J	< 5.49	< 6.38	< 9.09	< 6.02
Carbon tetrachloride	16,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Chlorobenzene	690,000	< 5.99	< 6.46	< 5.49	0.728 J	< 6.38	< 9.09	< 6.02
Chlorodibromomethane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Chloroethane	100,000,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Chloroform	32,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Chloromethane	NS	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
cis-1,2-Dichloroethene	12,000,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
cis-1,3-Dichloropropene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Dibromomethane	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Dichlorodifluoromethane	850,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Ethylbenzene	230,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Hexachlorobutadiene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Isopropylbenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
m-,p-Xylene	160,000	< 5.99	< 6.46	0.868 J	< 5.49	< 6.38	< 9.09	< 6.02
Methylene chloride	1,300,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Naphthalene	530,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
n-Butylbenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
n-Hexane	180,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
n-Propylbenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
o-Xylene	160,000	< 5.99	< 6.46	0.56 J	< 5.49	< 6.38	< 9.09	< 6.02
p-Isopropyltoluene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
sec-Butylbenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Styrene	1,700,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
tert-Butylbenzene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Tetrachloroethene	370,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Toluene	520,000	1.02 J	1.4 J	2.76 J	< 5.49	< 6.38	1.09 J	< 6.02
trans-1,2-Dichloroethene	2,500,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
trans-1,3-Dichloropropene	NS	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Trichloroethene	380,000	< 5.99	< 6.46	< 5.49	< 5.49	< 6.38	< 9.09	< 6.02
Trichlorofluoromethane	2,000,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Vinyl acetate	2,700,000	< 12	< 12.9	< 11	< 11	< 12.8	< 18.2	< 12
Vinyl chloride	25,000	< 2.4	< 2.58	< 2.2	< 2.19	< 2.55	< 3.64	< 2.41

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 19
Dioxin Results from Identified Area #3 - Dross Material Samples
South Pile Area
Newark Processing

Parameter	TEFs	SP-GP-13W 6/22/2004 (14' - 16')	TEFs	SP-GP-22W 6/22/2004 (2' - 4')	TEFs	SP-GP-21W 7/26/2004 (2' - 4')	TEFs
2,3,7,8-TCDD	1	< 123	0	< 126	0.0	< 140	0
1,2,3,7,8-PeCDD	1	< 123	0	< 126	0.0	< 140	0
1,2,3,4,7,8-HxCDD	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,6,7,8-HxCDD	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,7,8,9-HxCDD	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,4,6,7,8-HpCDD	0.01	< 307	0	137	1.4	< 350	0
OCDD	0.0001	< 614	0	582	0.1	< 699	0
2,3,7,8-TCDF	0.1	< 123	0	< 126	0.0	< 140	0
1,2,3,7,8-PeCDF	0.05	< 123	0	< 126	0.0	< 140	0
2,3,4,7,8-PeCDF	0.5	< 123	0	< 126	0.0	< 140	0
1,2,3,4,7,8-HxCDF	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,6,7,8-HxCDF	0.1	< 307	0	< 315	0.0	< 350	0
2,3,4,6,7,8-HxCDF	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,7,8,9-HxCDF	0.1	< 307	0	< 315	0.0	< 350	0
1,2,3,4,6,7,8-HpCDF	0.01	< 307	0	294	2.9	< 350	0
1,2,3,4,7,8,9-HpCDF	0.01	< 307	0	< 315	0.0	< 350	0
OCDF	0.0001	< 614	0	463	0.0	< 699	0
Total TEFs			0		4.4		0

Notes:
All results are given in pg/g.
TEFs = Toxic Equivalency Factors for Dioxin Compounds.

TABLE 20
Inorganic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	EP-GP-1W 7/26/2004 (0' - 2')	EP-GP-3W 7/26/2004 (0' - 2')	EP-GP-9W 7/26/2004 (14' - 16')	EP-GP-14W 7/27/2004 (4' - 6')	EP-GP-15W 7/27/2004 (14' - 16')	EP-GP-15V 7/27/2004 (14' - 16')
Aluminum	1,000,000	179,000	181,000	221,000	210,000	229,000	212,000
Arsenic, Total	80.0	2.02 J	0.972 J	9.12	8.93	8.82	8.94
Barium, Total	2,000,000	846	369	227	39.2	118	109
Cadmium, Total	770	1.16	1.09	3.54	1.59	3.4	3.37
Chromium, Total	1,000,000	523	415	274	178	269	277
Cyanide	60,000	1.64	0.603 J	0.328 J	0.522 J	0.421 J	0.565 J
Fluoride	180,000	29.9	46.3	427	604	229	235
Lead	1,800	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	57,000	337	298	159	172	174	148
Selenium, Total	15,000	4.03 J	3.31 J	31.4	37	30.5	29.3
Zinc, Total	900,000	873	1,140	2,590	3750	2350	2,190
Nitrogen, Ammonia	NS	14.1	30.2	513	25.8	10	11.1
Nitrogen, Nitrate-Nitrite	NS	120	26	150	79	13	13

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 20
Inorganic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	EP-GP-17W 7/27/2004 (0' - 2')	EP-GP-18W 7/27/2004 (18' - 20')	EP-GP-19W 5/23/2005 (0' - 2')	EP-GP-22W 7/27/2004 (4' - 6')	EP-GP-23W 7/27/2004 (20' - 22')
Aluminum	1,000,000	229,000	222,000	N/A	191,000	206,000
Arsenic, Total	80.0	7.87	9.3	N/A	8.95	9.05
Barium, Total	2,000,000	73.9	113	N/A	562	125
Cadmium, Total	770	0.602 J	3.75	N/A	3.85	3.88
Chromium, Total	1,000,000	123	244	N/A	349	244
Cyanide	60,000	< 0.699	0.503 J	N/A	0.699	< 0.687
Fluoride	180,000	14	638	N/A	233	655
Lead	1,800	N/A	N/A	234	N/A	N/A
Nickel	57,000	69.5	151	N/A	106	140
Selenium, Total	15,000	10.7	38.6	N/A	23.3	34
Zinc, Total	900,000	599	3,660	N/A	1520	2,630
Nitrogen, Ammonia	NS	9.27	799	N/A	176	356
Nitrogen, Nitrate-Nitrite	NS	11	36	N/A	160	1.9

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 20
Inorganic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	EP-GP-26W 7/27/2004 (18' - 20')	EP-GP-28W 7/27/2004 (20' - 22')	EP-GP-28V 5/23/2005 (0' - 2')	EP-GP-30W 7/27/2004 (26' - 28')	EP-GP-33W 5/23/2005 (0' - 2')
Aluminum	1,000,000	226,000	159,000	N/A	174,000	N/A
Arsenic, Total	80.0	9.15	11.1	N/A	9.34	N/A
Barium, Total	2,000,000	153	267	N/A	184	N/A
Cadmium, Total	770	1.84	3.98	N/A	3.12	N/A
Chromium, Total	1,000,000	213	353	N/A	146	N/A
Cyanide	60,000	0.552 J	0.948	N/A	0.436 J	N/A
Fluoride	180,000	254	15	N/A	379	N/A
Lead	1,800	N/A	2040	2040	N/A	386
Nickel	57,000	187	236	N/A	90.6	N/A
Selenium, Total	15,000	24.8	38.8	N/A	24.4	N/A
Zinc, Total	900,000	1,420	4,370	N/A	1,550	N/A
Nitrogen, Ammonia	NS	87.2	151	N/A	1,030	N/A
Nitrogen, Nitrate-Nitrite	NS	2.2	< 0.72	N/A	100	N/A

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 21
Inorganic Results from Identified Area #4 - Subsurface Soil Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	EP-GP-1S 7/26/2004 (13' - 15')	EP-GP-3S 7/26/2004 (14' - 16')	EP-GP-9S 7/26/2004 (22' - 24')	EP-GP-14S 7/27/2004 (27' - 29')	EP-GP-14R 7/27/2004 (27' - 29')	EP-GP-15S 7/27/2004 (22' - 24')
Aluminum	1,000,000	3,610	5,310	4,690	4,030	4,120	5,910
Arsenic, Total	80	2.53 J	11	< 5.55	7.74	7.25	10.1
Barium, Total	2,000,000	11.9	19.7	13.4	16.3	14.3	18.9
Cadmium, Total	770	0.281 J	0.249 J	0.335 J	0.285 J	0.325 J	0.431 J
Chromium, Total	1,000,000	8.4	12.4	7.78	6.85	6.82	8.48
Cyanide	60,000	< 0.528	< 0.472	< 0.535	< 0.583	< 0.573	< 0.593
Fluoride	180,000	11.6	169	7.01	17.4	11.2	7.89
Nickel	57,000	12.9	19.9	12.1	13.6	12.7	18.1
Selenium, Total	15,000	1.69 J	2.45 J	0.935 J	< 4.64	0.752 J	< 5.47
Zinc, Total	900,000	54.9	80.4	49.9	51.6	48.5	57.4
Nitrogen, Ammonia	NS	< 5.29	< 5.49	91	404	371	142
Nitrogen, Nitrate-Nitrite	NS	9.6	220	4.4	1.1	1	< 0.62

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)
Bold text indicates that the value exceeds VAP Standard.

TABLE 21
Inorganic Results from Identified Area #4 - Subsurface Soil Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (mg/kg)	EP-GP-17S 7/27/2004 (24' - 26')	EP-GP-18S 7/27/2004 (28' - 30')	EP-GP-22S 7/27/2004 (6' - 8')	EP-GP-23S 7/27/2004 (23' - 25')	EP-GP-26S 7/27/2004 (22' - 24')	EP-GP-28S 7/27/2004 (28' - 30')	EP-GP-30S 7/27/2004 (30' - 32')
Aluminum	1,000,000	10,500	4,130	6,400	2,900	3,400	1,940	3,460
Arsenic, Total	80	14	9.43	14.2	6.4	7.74	4.23 J	5.11
Barium, Total	2,000,000	40.2	21.3	114	8.17	14.6	5.54	9.72
Cadmium, Total	770	0.518	0.462 J	0.206 J	0.437 J	0.525 J	0.374 J	0.304 J
Chromium, Total	1,000,000	16.6	9.14	21.5	7.52	6.3	3.88	6.05
Cyanide	60,000	< 0.558	< 0.462	0.312 J	< 0.476	< 0.55	< 0.575	< 0.559
Fluoride	180,000	17.7	19.5	40.3	189	12.3	10.7	16
Nickel	57,000	34.5	13.2	16.3	10.6	14.6	7.07	17.8
Selenium, Total	15,000	0.863 J	< 5.79	2.58 J	< 5.54	0.943 J	< 5.72	1.23 J
Zinc, Total	900,000	78.8	59	73.1	55.2	46.5	25.5	37.6
Nitrogen, Ammonia	NS	148	276	170	154	87.7	176	165
Nitrogen, Nitrate-Nitrite	NS	3	< 0.65	150	55	5	< 0.59	< 0.58

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)
Bold text indicates that the value exceeds VAP Standard.

TABLE 22
Organic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-1W 7/26/2004 (0' - 2')	EP-GP-1W (2nd set) 7/26/2004 (0' - 2')	EP-GP-3W 7/26/2004 (0' - 2')	EP-GP-3W (2nd set) 7/26/2004 (0' - 2')	EP-GP-9W 7/26/2004 (14' - 16')	EP-GP-14W 7/27/2004 (14' - 16')
1,1,1,2-Tetrachloroethane	490,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1,1-Trichloroethane	1,400,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1,2,2-Tetrachloroethane	55,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1,2-Trichloroethane	120,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1-Dichloroethane	2,300,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1-Dichloroethene	7,500	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,1-Dichloropropene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2,3-Trichlorobenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2,3-Trichloropropane	29,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2,4-Trichlorobenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2,4-Trimethylbenzene	210,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2-Dibromo-3-chloropropane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2-Dibromoethane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2-Dichlorobenzene	370,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2-Dichloroethane	49,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,2-Dichloropropane	60,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,3,5-Trimethylbenzene	180,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,3-Dichlorobenzene	240,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,3-Dichloropropane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
1,4-Dichlorobenzene	470,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
2,2-Dichloropropane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
2-Butanone	71,600,000	< 141	< 141	< 140	< 140	< 137	< 158
2-Chloroethyl vinyl ether	NS	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
2-Chlorotoluene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
2-Hexanone	NS	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
4-Chlorotoluene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
4-Methyl-2-pentanone	NS	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Acetone	100,000,000	< 141	< 141	< 140	< 140	31 J	11.9 J,B
Benzene	100,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Bromobenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Bromochloromethane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Bromodichloromethane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Bromoform	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Bromomethane	NS	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Carbon disulfide	720,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Carbon tetrachloride	16,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Chlorobenzene	690,000	< 7.04	0.804 J,E	6.48 J	5.2 J	< 6.84	2.56 J
Chlorodibromomethane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Chloroethane	100,000,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Chloroform	32,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Chloromethane	NS	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
cis-1,2-Dichloroethene	12,000,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
cis-1,3-Dichloropropene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Dibromomethane	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Dichlorodifluoromethane	850,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Ethylbenzene	230,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Hexachlorobutadiene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Isopropylbenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
m-,p-Xylene	160,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Methylene chloride	1,300,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Naphthalene	530,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
n-Butylbenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
n-Hexane	180,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
n-Propylbenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
o-Xylene	160,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
p-Isopropyltoluene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
sec-Butylbenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Styrene	1,700,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
tert-Butylbenzene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Tetrachloroethene	370,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Toluene	520,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
trans-1,2-Dichloroethene	2,500,000	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
trans-1,3-Dichloropropene	NS	< 7.04	< 7.04	< 6.98	< 6.98	< 6.84	< 7.89
Trichloroethene	380,000	< 7.04	< 7.04	< 6.98	0.821 J	< 6.84	< 7.89
Trichlorofluoromethane	2,000,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Vinyl acetate	2,700,000	< 14.1	< 14.1	< 14	< 14	< 13.7	< 15.8
Vinyl chloride	25,000	< 2.82	< 2.82	< 2.79	< 2.79	< 2.74	< 3.15

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 22
Organic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-15W 7/27/2004 (14' - 16')	EP-GP-15V 7/27/2004 (14' - 16')	EP-GP-17W 7/27/2004 (0' - 2')	EP-GP-18W 7/27/2004 (18' - 20')	EP-GP-22W 7/27/2004 (4' - 6')	EP-GP-23W 7/27/2004 (20' - 22')
1,1,1,2-Tetrachloroethane	490,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1,1-Trichloroethane	1,400,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1,2,2-Tetrachloroethane	55,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1,2-Trichloroethane	120,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1-Dichloroethane	2,300,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1-Dichloroethene	7,500	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,1-Dichloropropene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2,3-Trichlorobenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2,3-Trichloropropane	29,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2,4-Trichlorobenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2,4-Trimethylbenzene	210,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2-Dibromo-3-chloropropane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2-Dibromoethane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2-Dichlorobenzene	370,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2-Dichloroethane	49,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,2-Dichloropropane	60,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,3,5-Trimethylbenzene	180,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,3-Dichlorobenzene	240,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,3-Dichloropropane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
1,4-Dichlorobenzene	470,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
2,2-Dichloropropane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
2-Butanone	71,600,000	< 137	< 135	< 137	8.54 J	< 134	12.4 J
2-Chloroethyl vinyl ether	NS	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
2-Chlorotoluene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
2-Hexanone	NS	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
4-Chlorotoluene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
4-Methyl-2-pentanone	NS	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Acetone	100,000,000	< 137	< 135	6.89 J,B	125 J,B	65.1 J,B	112 J,B
Benzene	100,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Bromobenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Bromochloromethane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Bromodichloromethane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Bromoform	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Bromomethane	NS	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Carbon disulfide	720,000	< 6.84	< 6.76	< 6.85	2.18 J	< 6.69	3.65 J
Carbon tetrachloride	16,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Chlorobenzene	690,000	< 6.84	< 6.76	10.6	15.8	< 6.69	14.5
Chlorodibromomethane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Chloroethane	100,000,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Chloroform	32,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Chloromethane	NS	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
cis-1,2-Dichloroethene	12,000,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
cis-1,3-Dichloropropene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Dibromomethane	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Dichlorodifluoromethane	850,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Ethylbenzene	230,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Hexachlorobutadiene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Isopropylbenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
m-,p-Xylene	160,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Methylene chloride	1,300,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Naphthalene	530,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
n-Butylbenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
n-Hexane	180,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
n-Propylbenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
o-Xylene	160,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
p-Isopropyltoluene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
sec-Butylbenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Styrene	1,700,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
tert-Butylbenzene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Tetrachloroethene	370,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Toluene	520,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
trans-1,2-Dichloroethene	2,500,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
trans-1,3-Dichloropropene	NS	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Trichloroethene	380,000	< 6.84	< 6.76	< 6.85	< 7.02	< 6.69	< 7
Trichlorofluoromethane	2,000,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Vinyl acetate	2,700,000	< 13.7	< 13.5	< 13.7	< 14	< 13.4	< 14
Vinyl chloride	25,000	< 2.74	< 2.71	< 2.74	< 2.81	< 2.68	< 2.8

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 22
Organic Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-26W 7/27/2004 (18' - 20')	EP-GP-26W (2nd set) 7/27/2004 (18' - 20')	EP-GP-28W 7/27/2004 (20' - 22')	EP-GP-28W (2nd set) 7/27/2004 (20' - 22')	EP-GP-30W 7/27/2004 (22' - 24')	EP-GP-30W (2nd set) 7/27/2004 (22' - 24')
1,1,1,2-Tetrachloroethane	490,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1,1-Trichloroethane	1,400,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1,2,2-Tetrachloroethane	55,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1,2-Trichloroethane	120,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1-Dichloroethane	2,300,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1-Dichloroethene	7,500	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,1-Dichloropropene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2,3-Trichlorobenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2,3-Trichloropropane	29,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2,4-Trichlorobenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2,4-Trimethylbenzene	210,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2-Dibromo-3-chloropropane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2-Dibromoethane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2-Dichlorobenzene	370,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2-Dichloroethane	49,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,2-Dichloropropane	60,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,3,5-Trimethylbenzene	180,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,3-Dichlorobenzene	240,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,3-Dichloropropane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
1,4-Dichlorobenzene	470,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
2,2-Dichloropropane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
2-Butanone	71,600,000	< 129	< 129	< 147	< 147	< 155	< 155
2-Chloroethyl vinyl ether	NS	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
2-Chlorotoluene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
2-Hexanone	NS	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
4-Chlorotoluene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
4-Methyl-2-pentanone	NS	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Acetone	100,000,000	8.5 J,B	6.48 J	< 147	11.1 J,B	139 J,B	111 J
Benzene	100,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Bromobenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Bromochloromethane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Bromodichloromethane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Bromoform	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Bromomethane	NS	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Carbon disulfide	720,000	< 6.47	< 6.47	< 7.33	1.02 J	2.14 J	< 7.77
Carbon tetrachloride	16,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Chlorobenzene	690,000	15.9 E	21.1 E	< 7.33	5.65 J,E	< 7.77	< 7.77
Chlorodibromomethane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Chloroethane	100,000,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Chloroform	32,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Chloromethane	NS	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
cis-1,2-Dichloroethene	12,000,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
cis-1,3-Dichloropropene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Dibromomethane	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Dichlorodifluoromethane	850,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Ethylbenzene	230,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Hexachlorobutadiene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Isopropylbenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
m-,p-Xylene	160,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Methylene chloride	1,300,000	< 6.47	< 6.47	< 7.33	< 7.33	5.03 J	3.67 J
Naphthalene	530,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
n-Butylbenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
n-Hexane	180,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
n-Propylbenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
o-Xylene	160,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
p-Isopropyltoluene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
sec-Butylbenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Styrene	1,700,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
tert-Butylbenzene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Tetrachloroethene	370,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Toluene	520,000	0.949 J,E	1.41 J,E	0.804 J	9.57 E	< 7.77	< 7.77
trans-1,2-Dichloroethene	2,500,000	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
trans-1,3-Dichloropropene	NS	< 6.47	< 6.47	< 7.33	< 7.33	< 7.77	< 7.77
Trichloroethene	360,000	0.835 J	0.887 J	< 7.33	1.16 J	< 7.77	< 7.77
Trichlorofluoromethane	2,000,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Vinyl acetate	2,700,000	< 12.9	< 12.9	< 14.7	< 14.7	< 15.5	< 15.5
Vinyl chloride	25,000	< 2.59	< 2.59	< 2.93	< 2.93	< 3.11	< 3.11

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
W = Waste, V = Waste (duplicate)

TABLE 23
Organic Results from Identified Area #4 - Subsurface Soil Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-1S 7/26/2004 (13' - 15')	EP-GP-3S 7/26/2004 (14' - 16')	EP-GP-9S 7/26/2004 (22' - 24')	EP-GP-14S 7/27/2004 (27' - 29)	EP-GP-14R 7/27/2004 (27' - 29)
1,1,1,2-Tetrachloroethane	490,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1,1-Trichloroethane	1,400,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1,2,2-Tetrachloroethane	55,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1,2-Trichloroethane	120,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1-Dichloroethane	2,300,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1-Dichloroethene	7,500	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,1-Dichloropropene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2,3-Trichlorobenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2,3-Trichloropropane	29,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2,4-Trichlorobenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2,4-Trimethylbenzene	210,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2-Dibromo-3-chloropropane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2-Dibromoethane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2-Dichlorobenzene	370,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2-Dichloroethane	49,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,2-Dichloropropane	60,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,3,5-Trimethylbenzene	180,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,3-Dichlorobenzene	240,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,3-Dichloropropane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
1,4-Dichlorobenzene	470,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
2,2-Dichloropropane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
2-Butanone	71,600,000	< 106	< 112	< 111	< 119	< 118
2-Chloroethyl vinyl ether	NS	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
2-Chlorotoluene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
2-Hexanone	NS	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
4-Chlorotoluene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
4-Methyl-2-pentanone	NS	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Acetone	100,000,000	< 106	< 112	23.8 J	46.1 J,B	39.3 J,B
Benzene	100,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Bromobenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Bromochloromethane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Bromodichloromethane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Bromoform	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Bromomethane	NS	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Carbon disulfide	720,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Carbon tetrachloride	16,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Chlorobenzene	690,000	0.609 J	< 5.59	< 5.55	< 5.93	17.8
Chlorodibromomethane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Chloroethane	100,000,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Chloroform	32,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Chloromethane	NS	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
cis-1,2-Dichloroethene	12,000,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
cis-1,3-Dichloropropene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Dibromomethane	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Dichlorodifluoromethane	850,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Ethylbenzene	230,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Hexachlorobutadiene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Isopropylbenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
m-,p-Xylene	160,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Methylene chloride	1,300,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Naphthalene	530,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
n-Butylbenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
n-Hexane	160,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
n-Propylbenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
o-Xylene	160,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
p-Isopropyltoluene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
sec-Butylbenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Styrene	1,700,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
tert-Butylbenzene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Tetrachloroethene	370,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Toluene	520,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
trans-1,2-Dichloroethene	2,500,000	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
trans-1,3-Dichloropropene	NS	< 5.3	< 5.59	< 5.55	< 5.93	< 5.92
Trichloroethene	380,000	< 5.3	2.12 J	< 5.55	< 5.93	< 5.92
Trichlorofluoromethane	2,000,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Vinyl acetate	2,700,000	< 10.6	< 11.2	< 11.1	< 11.9	< 11.8
Vinyl chloride	25,000	< 2.12	< 2.24	< 2.22	< 2.37	< 2.37

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 23
Organic Results from Identified Area #4 - Subsurface Soil Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-15S 7/27/2004 (22' - 24')	EP-GP-15S (2nd set) 7/27/2004 (22' - 24')	EP-GP-17S 7/27/2004 (24' - 26')	EP-GP-17S (2nd set) 7/27/2004 (24' - 26')
1,1,1,2-Tetrachloroethane	490,000	< 6.02	< 6.02	< 5.93	< 5.93
1,1,1-Trichloroethane	1,400,000	< 6.02	< 6.02	< 5.93	< 5.93
1,1,2,2-Tetrachloroethane	55,000	< 6.02	< 6.02	< 5.93	< 5.93
1,1,2-Trichloroethane	120,000	< 6.02	< 6.02	< 5.93	< 5.93
1,1-Dichloroethane	2,300,000	< 6.02	< 6.02	< 5.93	< 5.93
1,1-Dichloroethene	7,500	< 6.02	< 6.02	< 5.93	< 5.93
1,1-Dichloropropene	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,2,3-Trichlorobenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,2,3-Trichloropropane	29,000	< 6.02	< 6.02	< 5.93	< 5.93
1,2,4-Trichlorobenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,2,4-Trimethylbenzene	210,000	< 6.02	< 6.02	< 5.93	< 5.93
1,2-Dibromo-3-chloropropane	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,2-Dibromoethane	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,2-Dichlorobenzene	370,000	< 6.02	< 6.02	< 5.93	< 5.93
1,2-Dichloroethane	49,000	< 6.02	< 6.02	< 5.93	< 5.93
1,2-Dichloropropane	60,000	< 6.02	< 6.02	< 5.93	< 5.93
1,3,5-Trimethylbenzene	180,000	< 6.02	< 6.02	< 5.93	< 5.93
1,3-Dichlorobenzene	240,000	< 6.02	< 6.02	< 5.93	< 5.93
1,3-Dichloropropane	NS	< 6.02	< 6.02	< 5.93	< 5.93
1,4-Dichlorobenzene	470,000	< 6.02	< 6.02	< 5.93	< 5.93
2,2-Dichloropropane	NS	< 6.02	< 6.02	< 5.93	< 5.93
2-Butanone	71,600,000	4.23 J	< 120	8.12 J	8.85 J
2-Chloroethyl vinyl ether	NS	< 12	< 12	< 11.9	< 11.9
2-Chlorotoluene	NS	< 6.02	< 6.02	< 5.93	< 5.93
2-Hexanone	NS	< 12	< 12	< 11.9	< 11.9
4-Chlorotoluene	NS	< 6.02	< 6.02	< 5.93	< 5.93
4-Methyl-2-pentanone	NS	< 12	< 12	< 11.9	< 11.9
Acetone	100,000,000	40.9 J,B	30.3 J,B	46.5 J,B	48.9 J,B
Benzene	100,000	< 6.02	< 6.02	< 5.93	< 5.93
Bromobenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Bromochloromethane	NS	< 6.02	< 6.02	< 5.93	< 5.93
Bromodichloromethane	NS	< 6.02	< 6.02	< 5.93	< 5.93
Bromoform	NS	< 6.02	< 6.02	< 5.93	< 5.93
Bromomethane	NS	< 12	< 12	< 11.9	< 11.9
Carbon disulfide	720,000	3.88 J	1.8 J	< 5.93	< 5.93
Carbon tetrachloride	16,000	< 6.02	< 6.02	< 5.93	< 5.93
Chlorobenzene	690,000	0.719 J,E	9.54 E	< 5.93	< 5.93
Chlorodibromomethane	NS	< 6.02	< 6.02	< 5.93	< 5.93
Chloroethane	100,000,000	< 12	< 12	< 11.9	< 11.9
Chloroform	32,000	< 6.02	< 6.02	< 5.93	< 5.93
Chloromethane	NS	< 12	< 12	< 11.9	< 11.9
cis-1,2-Dichloroethene	12,000,000	< 6.02	< 6.02	< 5.93	< 5.93
cis-1,3-Dichloropropene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Dibromomethane	NS	< 6.02	< 6.02	< 5.93	< 5.93
Dichlorodifluoromethane	850,000	< 12	< 12	< 11.9	< 11.9
Ethylbenzene	230,000	< 6.02	< 6.02	< 5.93	< 5.93
Hexachlorobutadiene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Isopropylbenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
m-,p-Xylene	160,000	< 6.02	< 6.02	< 5.93	< 5.93
Methylene chloride	1,300,000	< 6.02	< 6.02	< 5.93	< 5.93
Naphthalene	530,000	< 12	< 12	< 11.9	< 11.9
n-Butylbenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
n-Hexane	180,000	< 12	< 12	< 11.9	< 11.9
n-Propylbenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
o-Xylene	160,000	< 6.02	< 6.02	< 5.93	< 5.93
p-Isopropyltoluene	NS	< 6.02	< 6.02	< 5.93	< 5.93
sec-Butylbenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Styrene	1,700,000	< 6.02	< 6.02	< 5.93	< 5.93
tert-Butylbenzene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Tetrachloroethene	370,000	< 6.02	< 6.02	< 5.93	< 5.93
Toluene	520,000	< 6.02	0.812 J,E	< 5.93	< 5.93
trans-1,2-Dichloroethene	2,500,000	< 6.02	< 6.02	< 5.93	< 5.93
trans-1,3-Dichloropropene	NS	< 6.02	< 6.02	< 5.93	< 5.93
Trichloroethene	380,000	< 6.02	0.929 J	< 5.93	< 5.93
Trichlorofluoromethane	2,000,000	< 12	< 12	< 11.9	< 11.9
Vinyl acetate	2,700,000	< 12	< 12	< 11.9	< 11.9
Vinyl chloride	25,000	< 2.41	< 2.41	< 2.37	< 2.37

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 23
Organic Results from Identified Area #4 - Subsurface Soil Samples
East Pile Area
Newark Processing

Parameter	VAP Standard (ug/kg)	EP-GP-18S 7/27/2004 (28' - 30')	EP-GP-18S (2nd set) 7/27/2004 (28' - 30')	EP-GP-22S 7/27/2004 (6' - 8')	EP-GP-23S 7/27/2004 (23' - 25')	EP-GP-26S 7/27/2004 (22' - 24')	EP-GP-28S 7/27/2004 (28' - 30')	EP-GP-30S 7/27/2004 (30' - 32')
1,1,1,2-Tetrachloroethane	490,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1,1-Trichloroethane	1,400,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1,2,2-Tetrachloroethane	55,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1,2-Trichloroethane	120,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1-Dichloroethane	2,300,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1-Dichloroethene	7,500	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,1-Dichloropropene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2,3-Trichlorobenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2,3-Trichloropropane	29,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2,4-Trichlorobenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2,4-Trimethylbenzene	210,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2-Dibromo-3-chloropropane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2-Dibromoethane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2-Dichlorobenzene	370,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2-Dichloroethane	49,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,2-Dichloropropane	60,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,3,5-Trimethylbenzene	180,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,3-Dichlorobenzene	240,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,3-Dichloropropane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
1,4-Dichlorobenzene	470,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
2,2-Dichloropropane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
2-Butanone	71,600,000	< 129	< 129	27.4 J	< 111	< 114	< 117	6.18 J
2-Chloroethyl vinyl ether	NS	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
2-Chlorotoluene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
2-Hexanone	NS	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
4-Chlorotoluene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
4-Methyl-2-pentanone	NS	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Acetone	100,000,000	27.5 J,B	26.2 J,B	90.4 J,B	24.1 J,E	< 114	12.7 J,B	44.3 J,B
Benzene	100,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Bromobenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Bromochloromethane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Bromodichloromethane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Bromoform	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Bromomethane	NS	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Carbon disulfide	720,000	< 6.43	0.748 J	< 5.92	< 5.54	< 5.71	< 5.84	0.984 J
Carbon tetrachloride	16,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Chlorobenzene	690,000	1.67 J,E	< 6.43	< 5.92	1.2 J	< 5.71	< 5.84	1.28 J
Chlorodibromomethane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Chloroethane	100,000,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Chloroform	32,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Chloromethane	NS	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
cis-1,2-Dichloroethene	12,000,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
cis-1,3-Dichloropropene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Dibromomethane	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Dichlorodifluoromethane	850,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Ethylbenzene	230,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Hexachlorobutadiene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Isopropylbenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
m-,p-Xylene	160,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Methylene chloride	1,300,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Naphthalene	530,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
n-Butylbenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
n-Hexane	180,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
n-Propylbenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
o-Xylene	160,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
p-Isopropyltoluene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
sec-Butylbenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Styrene	1,700,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
tert-Butylbenzene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Tetrachloroethene	370,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Toluene	520,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	0.742 J
trans-1,2-Dichloroethene	2,500,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
trans-1,3-Dichloropropene	NS	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Trichloroethene	380,000	< 6.43	< 6.43	< 5.92	< 5.54	< 5.71	< 5.84	< 5.65
Trichlorofluoromethane	2,000,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Vinyl acetate	2,700,000	< 12.9	< 12.9	< 11.8	< 11.1	< 11.4	< 11.7	< 11.3
Vinyl chloride	25,000	< 2.57	< 2.57	< 2.37	< 2.22	< 2.28	< 2.34	< 2.26

Notes:
All results shown in micrograms per kilogram (ug/kg).
B = Present in the method blank.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Letter designations at the end of the sample identifications indicate the following:
S = Soil, R = Soil (duplicate)

TABLE 24
Dioxin Results from Identified Area #4 - Dross Material Samples
East Pile Area
Newark Processing

Parameter	TEFs	EP-GP-18W 7/27/2004 (18' - 20')	TEFs	EP-GP-9W 7/26/2004 (14' - 16')	TEFs	EP-GP-26W 7/27/2004 (18' - 20)	TEFs	EP-GP-26V 7/27/2004 (18' - 20)	TEFs
2,3,7,8-TCDD	1	< 118	0	< 123	0	< 109	0	< 116	0
1,2,3,7,8-PeCDD	1	< 118	0	< 123	0	< 109	0	< 116	0
1,2,3,4,7,8-HxCDD	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,6,7,8-HxCDD	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,7,8,9-HxCDD	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,4,6,7,8-HpCDD	0.01	200	2.0	< 307	0	< 273	0	< 290	0
OCDD	0.0001	665	0.1	463	0.05	365	0.04	331	0.03
2,3,7,8-TCDF	0.1	< 118	0	< 123	0	< 109	0	< 116	0
1,2,3,7,8-PeCDF	0.05	< 118	0	< 123	0	< 109	0	< 116	0
2,3,4,7,8-PeCDF	0.5	< 118	0	< 123	0	< 109	0	< 116	0
1,2,3,4,7,8-HxCDF	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,6,7,8-HxCDF	0.1	< 295	0	< 307	0	< 273	0	< 290	0
2,3,4,6,7,8-HxCDF	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,7,8,9-HxCDF	0.1	< 295	0	< 307	0	< 273	0	< 290	0
1,2,3,4,6,7,8-HpCDF	0.01	195	2.0	* 498	4.98	< 273	0	< 290	0
1,2,3,4,7,8,9-HpCDF	0.01	< 295	0	< 349	0	< 273	0	< 290	0
OCDF	0.0001	< 590	0	259	0.03	< 546	0	< 581	0
Total TEFs			4.0		5.1		0.04		0.03

Notes:
All results are given in pg/g.
* denotes Estimated Maximium Possible Concentration.
TEFs = Toxic Equivalency Factors for Doxin Compounds.

TABLE 25
Inorganic Results from Identified Area #5 - Surface Soil Samples
Boneyard Area
Newark Processing

Parameter	VAP Standard	BY-SS-1 6/22/2004	BY-SS-2 6/22/2004	BY-SS-3 6/22/2004	BY-SS-4 6/22/2004	BY-SS-5 6/22/2004	BY-SS-6 6/22/2004	BY-SS-7 6/22/2004
Aluminum	1,000,000	57,300	19,200	10,900	79,400	13,400	18,700	49,800
Arsenic, Total	80	16.1	11	13.5	13.6	17.8	10.1	14.5
Barium, Total	2,000,000	140	97.4	130	189	103	94.7	125
Cadmium, Total	770	3.48	0.808	0.464	2.75	0.735	0.593	5.15
Chromium, Total	1,000,000	93	27.3	20	120	23.6	28.2	88.2
Cyanide	60,000	0.315 J	0.366 J	< 0.692	1.63	0.385 J	0.538 J	0.396 J
Fluoride	180,000	50	21.1	4.53	54.5	4.02	15.3	54.3
Lead	1,800	42.3	32	14.7	N/A	N/A	N/A	N/A
Nickel	57,000	68.6	21.4	20.4	96.4	25.7	30.1	65.6
Selenium, Total	15,000	21.2	6.71	5.81	19.9	7.06	6.36	21.1
Zinc, Total	900,000	952	165	106	963	165	214	919
Nitrogen, Ammonia	NS	< 5.99	8.43	< 6.14	7.8	7.8	16.7	8.04
Nitrogen, Nitrate-Nitrite	NS	< 30	< 32	< 63	< 0.72	< 61	39	< 30

Notes:
All results shown in milligram per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.
N/A = Not analyzed for this parameter.

TABLE 26
Organic Results from Identified Area #5 - Surface Soil Samples
Boneyard Area
Newark Processing

Parameter	VAP Standard	BY-SS-1 6/22/2004	BY-SS-2 6/22/2004	BY-SS-3 6/22/2004	BY-SS-4 6/22/2004
1,1,1,2-Tetrachloroethane	490,000	< 6.31	< 6.31	< 6.97	< 6.17
1,1,1-Trichloroethane	1,400,000	< 6.31	< 6.31	< 6.97	< 6.17
1,1,2,2-Tetrachloroethane	55,000	< 6.31	< 6.31	< 6.97	< 6.17
1,1,2-Trichloroethane	120,000	< 6.31	< 6.31	< 6.97	< 6.17
1,1-Dichloroethane	2,300,000	< 6.31	< 6.31	< 6.97	< 6.17
1,1-Dichloroethene	7,500	< 6.31	< 6.31	< 6.97	< 6.17
1,1-Dichloropropene	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,2,3-Trichlorobenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,2,3-Trichloropropane	29,000	< 6.31	< 6.31	< 6.97	< 6.17
1,2,4-Trichlorobenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,2,4-Trimethylbenzene	210,000	< 6.31	< 6.31	< 6.97	0.65 J,E
1,2-Dibromo-3-chloropropane	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,2-Dibromoethane	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,2-Dichlorobenzene	370,000	< 6.31	< 6.31	< 6.97	15.6 E
1,2-Dichloroethane	49,000	< 6.31	< 6.31	< 6.97	< 6.17
1,2-Dichloropropane	60,000	< 6.31	< 6.31	< 6.97	< 6.17
1,3,5-Trimethylbenzene	180,000	< 6.31	< 6.31	< 6.97	< 6.17
1,3-Dichlorobenzene	240,000	< 6.31	< 6.31	< 6.97	1.9 J,E
1,3-Dichloropropane	NS	< 6.31	< 6.31	< 6.97	< 6.17
1,4-Dichlorobenzene	470,000	< 6.31	< 6.31	< 6.97	6.17 J,E
2,2-Dichloropropane	NS	< 6.31	< 6.31	< 6.97	< 6.17
2-Butanone	71,600,000	< 126	< 126	< 139	< 123
2-Chloroethyl vinyl ether	NS	< 12.6	< 12.6	< 13.9	< 12.3
2-Chlorotoluene	NS	< 6.31	< 6.31	< 6.97	< 6.17
2-Hexanone	NS	< 12.6	< 12.6	< 13.9	< 12.3
4-Chlorotoluene	NS	< 6.31	< 6.31	< 6.97	< 6.17
4-Methyl-2-pentanone	NS	< 12.6	< 12.6	< 13.9	< 12.3
Acetone	100,000,000	< 126	< 126	< 139	< 123
Benzene	100,000	< 6.31	< 6.31	< 6.97	< 6.17
Bromobenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Bromochloromethane	NS	< 6.31	< 6.31	< 6.97	< 6.17
Bromodichloromethane	NS	< 6.31	< 6.31	< 6.97	< 6.17
Bromoform	NS	< 6.31	< 6.31	< 6.97	< 6.17
Bromomethane	NS	< 12.6	< 12.6	< 13.9	< 12.3
Carbon disulfide	720,000	< 6.31	< 6.31	< 6.97	< 6.17
Carbon tetrachloride	16,000	< 6.31	< 6.31	< 6.97	< 6.17
Chlorobenzene	690,000	1.17 J	< 6.31	3.89 J	1.89 J
Chlorodibromomethane	NS	< 6.31	< 6.31	< 6.97	< 6.17
Chloroethane	100,000,000	< 12.6	< 12.6	< 13.9	< 12.3
Chloroform	32,000	< 6.31	< 6.31	< 6.97	< 6.17
Chloromethane	NS	< 12.6	< 12.6	< 13.9	< 12.3
cis-1,2-Dichloroethene	12,000,000	< 6.31	< 6.31	< 6.97	< 6.17
cis-1,3-Dichloropropene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Dibromomethane	NS	< 6.31	< 6.31	< 6.97	< 6.17
Dichlorodifluoromethane	850,000	< 12.6	< 12.6	< 13.9	< 12.3
Ethylbenzene	230,000	< 6.31	< 6.31	< 6.97	< 6.17
Hexachlorobutadiene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Isopropylbenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
m-,p-Xylene	160,000	< 6.31	< 6.31	< 6.97	< 6.17
Methylene chloride	1,300,000	< 6.31	< 6.31	< 6.97	< 6.17
Naphthalene	530,000	0.673 J	< 12.6	< 13.9	3.1 J,E
n-Butylbenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
n-Hexane	180,000	< 12.6	< 12.6	< 13.9	< 12.3
n-Propylbenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
o-Xylene	160,000	< 6.31	< 6.31	< 6.97	< 6.17
p-Isopropyltoluene	NS	< 6.31	< 6.31	< 6.97	< 6.17
sec-Butylbenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Styrene	1,700,000	< 6.31	< 6.31	< 6.97	< 6.17
tert-Butylbenzene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Tetrachloroethene	370,000	< 6.31	< 6.31	< 6.97	< 6.17
Toluene	520,000	0.642 J	< 6.31	< 6.97	< 6.17
trans-1,2-Dichloroethene	2,500,000	< 6.31	< 6.31	< 6.97	< 6.17
trans-1,3-Dichloropropene	NS	< 6.31	< 6.31	< 6.97	< 6.17
Trichloroethene	380,000	< 6.31	< 6.31	< 6.97	< 6.17
Trichlorofluoromethane	2,000,000	< 12.6	< 12.6	< 13.9	< 12.3
Vinyl acetate	2,700,000	< 12.6	< 12.6	< 13.9	< 12.3
Vinyl chloride	25,000	< 2.52	< 2.52	< 2.79	< 2.47

Notes:
All data shown in micrograms per kilogram (ug/kg).
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 26
Organic Results from Identified Area #5 - Surface Soil Samples
Boneyard Area
Newark Processing

Parameter	VAP Standard	BY-SS-5 6/22/2004	BY-SS-6 6/22/2004	BY-SS-7 6/22/2004
1,1,1,2-Tetrachloroethane	490,000	< 6.27	< 6.33	< 6.42
1,1,1-Trichloroethane	1,400,000	< 6.27	< 6.33	< 6.42
1,1,2,2-Tetrachloroethane	55,000	< 6.27	< 6.33	< 6.42
1,1,2-Trichloroethane	120,000	< 6.27	< 6.33	< 6.42
1,1-Dichloroethane	2,300,000	< 6.27	< 6.33	< 6.42
1,1-Dichloroethene	7,500	< 6.27	< 6.33	< 6.42
1,1-Dichloropropene	NS	< 6.27	< 6.33	< 6.42
1,2,3-Trichlorobenzene	NS	< 6.27	< 6.33	< 6.42
1,2,3-Trichloropropane	29,000	< 6.27	< 6.33	< 6.42
1,2,4-Trichlorobenzene	NS	< 6.27	< 6.33	< 6.42
1,2,4-Trimethylbenzene	210,000	< 6.27	< 6.33	< 6.42
1,2-Dibromo-3-chloropropane	NS	< 6.27	< 6.33	< 6.42
1,2-Dibromoethane	NS	< 6.27	< 6.33	< 6.42
1,2-Dichlorobenzene	370,000	< 6.27	< 6.33	< 6.42
1,2-Dichloroethane	49,000	< 6.27	< 6.33	< 6.42
1,2-Dichloropropane	60,000	< 6.27	< 6.33	< 6.42
1,3,5-Trimethylbenzene	180,000	< 6.27	< 6.33	< 6.42
1,3-Dichlorobenzene	240,000	< 6.27	< 6.33	< 6.42
1,3-Dichloropropane	NS	< 6.27	< 6.33	< 6.42
1,4-Dichlorobenzene	470,000	< 6.27	< 6.33	< 6.42
2,2-Dichloropropane	NS	< 6.27	< 6.33	< 6.42
2-Butanone	71,600,000	< 125	< 127	< 128
2-Chloroethyl vinyl ether	NS	< 12.5	< 12.7	< 12.8
2-Chlorotoluene	NS	< 6.27	< 6.33	< 6.42
2-Hexanone	NS	< 12.5	< 12.7	< 12.8
4-Chlorotoluene	NS	< 6.27	< 6.33	< 6.42
4-Methyl-2-pentanone	NS	< 12.5	< 12.7	< 12.8
Acetone	100,000,000	< 125	< 127	< 128
Benzene	100,000	< 6.27	< 6.33	< 6.42
Bromobenzene	NS	< 6.27	< 6.33	< 6.42
Bromochloromethane	NS	< 6.27	< 6.33	< 6.42
Bromodichloromethane	NS	< 6.27	< 6.33	< 6.42
Bromoform	NS	< 6.27	< 6.33	< 6.42
Bromomethane	NS	< 12.5	< 12.7	< 12.8
Carbon disulfide	720,000	< 6.27	< 6.33	< 6.42
Carbon tetrachloride	16,000	< 6.27	< 6.33	< 6.42
Chlorobenzene	690,000	< 6.27	< 6.33	< 6.42
Chlorodibromomethane	NS	< 6.27	< 6.33	< 6.42
Chloroethane	100,000,000	< 12.5	< 12.7	< 12.8
Chloroform	32,000	< 6.27	< 6.33	< 6.42
Chloromethane	NS	< 12.5	< 12.7	< 12.8
cis-1,2-Dichloroethene	12,000,000	< 6.27	< 6.33	< 6.42
cis-1,3-Dichloropropene	NS	< 6.27	< 6.33	< 6.42
Dibromomethane	NS	< 6.27	< 6.33	< 6.42
Dichlorodifluoromethane	850,000	< 12.5	< 12.7	< 12.8
Ethylbenzene	230,000	< 6.27	< 6.33	< 6.42
Hexachlorobutadiene	NS	< 6.27	< 6.33	< 6.42
Isopropylbenzene	NS	< 6.27	< 6.33	< 6.42
m-,p-Xylene	160,000	< 6.27	< 6.33	< 6.42
Methylene chloride	1,300,000	< 6.27	< 6.33	< 6.42
Naphthalene	530,000	< 12.5	< 12.7	< 12.8
n-Butylbenzene	NS	< 6.27	< 6.33	< 6.42
n-Hexane	180,000	< 12.5	< 12.7	< 12.8
n-Propylbenzene	NS	< 6.27	< 6.33	< 6.42
o-Xylene	160,000	< 6.27	< 6.33	< 6.42
p-Isopropyltoluene	NS	< 6.27	< 6.33	< 6.42
sec-Butylbenzene	NS	< 6.27	< 6.33	< 6.42
Styrene	1,700,000	< 6.27	< 6.33	< 6.42
tert-Butylbenzene	NS	< 6.27	< 6.33	< 6.42
Tetrachloroethene	370,000	< 6.27	< 6.33	< 6.42
Toluene	520,000	< 6.27	< 6.33	< 6.42
trans-1,2-Dichloroethene	2,500,000	< 6.27	< 6.33	< 6.42
trans-1,3-Dichloropropene	NS	< 6.27	< 6.33	< 6.42
Trichloroethene	380,000	< 6.27	< 6.33	< 6.42
Trichlorofluoromethane	2,000,000	< 12.5	< 12.7	< 12.8
Vinyl acetate	2,700,000	< 12.5	< 12.7	< 12.8
Vinyl chloride	25,000	< 2.51	< 2.53	< 2.57

Notes:
All data shown in micrograms per kilogram (ug/kg).
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 27
Inorganic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW1 8/4/2004	MW1 8/30/2004	MW2 8/4/2004	MW2 8/30/2004	MW3 8/4/2004	MW3 8/30/2004
Aluminium	16.0*	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic, Total	0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium, Total	2.0	0.101	0.103	0.0543	0.0611	0.0424	0.0419
Cadmium, Total	0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Total	0.1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cyanide	0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoride	4.0	< 0.1	< 0.05	0.0568 J	0.0731 J	0.0563 J	0.0650 J
Nickel	0.1	0.0051	0.0065	< 0.005	< 0.005	< 0.005	< 0.005
Selenium, Total	0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Zinc, Total	4.7	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nitrogen, Ammonia	NS	0.22	< 0.1	0.13	< 0.1	0.25	< 0.1
Nitrogen, Nitrate-Nitrite	10.0	1.94	1.33	4.34	3.75	2.67	2.4
Total Dissolved Solids	NS	674	672	662	604	476	518

Notes:
All results shown in milligrams per liter (mg/l).
O = Elevated reporting limit due to sample matrix.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
MW8S is a duplicate sample of MW8.
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
* Risk-derived Generic Unrestricted Potable Use Standard.
Bold text indicates that the value exceeds VAP Standard.

TABLE 27
Inorganic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW4 8/4/2004	MW4 8/31/2004	MW5 8/4/2004	MW5 8/30/2004	MW6 8/4/2004	MW6 8/31/2004	MW7 8/4/2004	MW7 8/31/2004
Aluminium	16.0*	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic, Total	0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium, Total	2.0	0.342	0.384	0.263	0.242	0.071	0.0613	0.128	0.0922
Cadmium, Total	0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Total	0.1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cyanide	0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoride	4.0	0.226	0.290	< 0.1	< 0.050	0.881	0.996	3.87	3.45
Nickel	0.1	0.0059	0.0063	0.0053	0.0072	< 0.005	< 0.005	0.0054	< 0.005
Selenium, Total	0.05	0.0153	0.0119	< 0.01	< 0.01	< 0.01	< 0.01	0.0115	0.0123
Zinc, Total	4.7	0.0127 J	< 0.02	0.00925 J	< 0.02	0.00689 J	< 0.02	0.0106 J	< 0.02
Nitrogen, Ammonia	NS	9.8	12	18	13	6.9	7.3	120	120
Nitrogen, Nitrate-Nitrite	10.0	**31.5**	**41.2**	4.96	3.85	6.35	5.56	**11.6**	**10.2**
Total Dissolved Solids	NS	4,020	4,340	4,530	3,260	2,280	2,000	5,570	4,060

Notes:
All results shown in milligrams per liter (mg/l).
O = Elevated reporting limit due to sample matrix.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
MW8S is a duplicate sample of MW8.
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
* Risk-derived Generic Unrestricted Potable Use Standard.
Bold text indicates that the value exceeds VAP Standard.

TABLE 27
Inorganic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW8 8/4/2004	MW8 8/31/2004	MW8S 8/4/2004	MW8S 8/31/2004	MW9 8/4/2004	MW9 8/31/2004	MW10 8/4/2004	MW10 8/31/2004
Aluminium	16.0*	< 0.2 E	< 0.05 O	< 0.10 E	< 0.05 O	< 0.10 E	< 0.05 O	< 0.05	< 0.05
Arsenic, Total	0.05	< 0.1	0.0405 J	< 0.1	0.0489 J	< 0.1	0.0325 J	< 0.1	< 0.1
Barium, Total	2.0	0.125	0.234	0.142	0.234	0.316	0.299	0.0503	0.0381
Cadmium, Total	0.005	0.00392 J	< 0.01	0.00457 J	< 0.01	0.00431 J	< 0.01	< 0.01	< 0.01
Chromium, Total	0.1	< 0.02	< 0.02	< 0.1	< 0.02	< 0.1	< 0.02	< 0.02	< 0.02
Cyanide	0.2	0.0268	0.0323	0.0317	0.0286	0.0288	0.0311	< 0.01	< 0.01
Fluoride	4.0	**69.7**	**72.5**	**71.9**	**73.1**	**66**	**70.9**	0.347	0.245
Nickel	0.1	0.0244	0.0302	0.0252	0.0305	0.0169	0.0393	< 0.005	< 0.005
Selenium, Total	0.05	**0.0948** J	**0.086**	**0.116**	**0.0919**	**0.0753** J	0.0446	< 0.01	< 0.01
Zinc, Total	4.7	0.052	0.0262	0.0461	0.0326	0.0632	0.0297	< 0.02	< 0.02
Nitrogen, Ammonia	NS	2,100	1,900	2,200	1,800	2,700	1,800	2,200	< 0.1
Nitrogen, Nitrate-Nitrite	10.0	**60.5**	**75.1**	**49.7**	**75.1**	**20.5**	**19.6**	2.44	2.06
Total Dissolved Solids	NS	92,200	105,000	95,400	101,000	185,000	168,000	3,240	502

Notes:
All results shown in milligrams per liter (mg/l).
O = Elevated reporting limit due to sample matrix.
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
MW8S is a duplicate sample of MW8.
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
* Risk-derived Generic Unrestricted Potable Use Standard.
Bold text indicates that the value exceeds VAP Standard.

TABLE 28
Organic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW1 8/4/2004	MW1 8/30/2004	MW2 8/4/2004	MW2 8/30/2004	MW3 8/4/2004	MW3 8/30/2004
1,1,1,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	7	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	NS	< 5	< 5	< 5	0.203 J	< 5	< 5
1,2,3-Trichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,3,5-Trimethylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
2,2-Dichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	NS	< 100	< 100	< 100	< 100	< 100	< 100
2-Chloroethyl vinyl ether	NS	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 100	< 100	< 100	< 100	< 100	< 100
Benzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Bromobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Carbon disulfide	NS	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	100	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	NS	< 5	< 5	< 5	< 5	0.54 J	0.58 J
Chloromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,2-Dichloroethene	70	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Dibromomethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	700	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene	NS	< 5	< 5	< 5	0.415 J	< 5	< 5
Isopropylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
m-,p-Xylene	10,000	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	0.61 J	< 5	< 5	< 5	< 5
Naphthalene	NS	< 10	< 10	< 10	0.413 J	< 10	< 10
n-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
n-Hexane	NS	< 10	< 10	< 10	< 10	< 10	< 10
n-Propylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
o-Xylene	10,000	< 5	< 5	< 5	< 5	< 5	< 5
p-Isopropyltoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
sec-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	100	< 5	< 5	< 5	< 5	< 5	< 5
tert-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	1,000	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorofluoromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl acetate	NS	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
J = Present below nominal reporting limit.
I = Semi-quantitative result, out of instrument calibration range.
All results are shown in micrograms per liter (ug/l).
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 28
Organic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW4 8/4/2004	MW4 8/31/2004	MW5 8/4/2004	MW5 8/30/2004	MW6 8/4/2004	MW6 8/31/2004
1,1,1,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	7	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropa	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,3,5-Trimethylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
2,2-Dichloropropane	NS	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	NS	< 100	< 100	< 100	< 100	< 100	< 100
2-Chloroethyl vinyl ether	NS	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	NS	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	NS	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	NS	< 100	< 100	< 100	< 100	< 100	< 100
Benzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Bromobenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromochloromethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromodichloromethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	NS	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Carbon disulfide	NS	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	100	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodibromomethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	NS	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,2-Dichloroethene	70	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Dibromomethane	NS	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	700	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Isopropylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
m-,p-Xylene	10,000	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	5	< 5	< 5	< 5	0.29 J	< 5	< 5
Naphthalene	NS	< 10	< 10	< 10	< 10	< 10	< 10
n-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
n-Hexane	NS	< 10	< 10	< 10	< 10	< 10	< 10
n-Propylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
o-Xylene	10,000	< 5	< 5	< 5	< 5	< 5	< 5
p-Isopropyltoluene	NS	< 5	< 5	< 5	< 5	< 5	< 5
sec-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	100	< 5	< 5	< 5	< 5	< 5	< 5
tert-Butylbenzene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	1,000	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethene	5	< 5	< 5	< 5	< 5	0.28 J	0.32 J
Trichlorofluoromethane	NS	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl acetate	NS	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl chloride	2	< 2	< 2	< 2	< 2	< 2	< 2

Notes:
J = Present below nominal reporting limit.
I = Semi-quantitative result, out of instrument calibration range.
All results are shown in micrograms per liter (ug/l).
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 28
Organic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW7 8/4/2004	MW7 8/31/2004	MW8 8/4/2004	MW8 (2nd set - diluted) 8/4/2004	MW8 (1st set - dilution) 8/31/2004	MW8 (2nd set - no dilution) 8/31/2004
1,1,1,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,1,1-Trichloroethane	200	< 5	< 5	< 5	< 50	< 50	< 5
1,1,2,2-Tetrachloroethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,1,2-Trichloroethane	5	< 5	< 5	< 5	< 50	< 50	< 5
1,1-Dichloroethane	NS	< 5	< 5	1.01 J	< 50	< 50	1.06 J
1,1-Dichloroethene	7	< 5	< 5	< 5	< 50	< 50	< 5
1,1-Dichloropropene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2,3-Trichlorobenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2,3-Trichloropropane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2,4-Trichlorobenzene	70	< 5	< 5	< 5	< 50	< 50	< 5
1,2,4-Trimethylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2-Dibromo-3-chloropropane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2-Dibromoethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2-Dichlorobenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,2-Dichloroethane	5	< 5	< 5	< 5	< 50	< 50	< 5
1,2-Dichloropropane	5	< 5	< 5	< 5	< 50	< 50	< 5
1,3,5-Trimethylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,3-Dichlorobenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,3-Dichloropropane	NS	< 5	< 5	< 5	< 50	< 50	< 5
1,4-Dichlorobenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
2,2-Dichloropropane	NS	< 5	< 5	< 5	< 50	< 50	< 5
2-Butanone	NS	< 100	< 100	79.1 J	39.6 J	32.4 J	48.6 J
2-Chloroethyl vinyl ether	NS	< 10	< 10	< 10	< 100	< 100	< 10
2-Chlorotoluene	NS	< 5	< 5	< 5	< 50	< 50	< 5
2-Hexanone	NS	< 10	< 10	< 10	< 100	< 100	< 10
4-Chlorotoluene	NS	< 5	< 5	< 5	< 50	< 50	< 5
4-Methyl-2-pentanone	NS	< 10	< 10	14.6	< 100	< 100	11.4
Acetone	NS	< 100	< 100	491 I	262 J	222 J	221 I
Benzene	5	< 5	< 5	< 5	< 50	< 50	< 5
Bromobenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Bromochloromethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
Bromodichloromethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
Bromoform	NS	< 5	< 5	< 5	< 50	< 50	< 5
Bromomethane	NS	< 10	< 10	< 10	< 100	< 100	< 10
Carbon disulfide	NS	< 5	< 5	< 5	< 50	< 50	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 50	< 50	< 5
Chlorobenzene	100	< 5	< 5	< 5	< 50	< 50	< 5
Chlorodibromomethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
Chloroethane	NS	< 10	< 10	< 10	< 100	< 100	< 10
Chloroform	NS	< 5	< 5	< 5	< 50	< 50	< 5
Chloromethane	NS	< 10	< 10	< 10	< 100	< 100	< 10
cis-1,2-Dichloroethene	70	< 5	< 5	< 5	< 50	< 50	< 5
cis-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Dibromomethane	NS	< 5	< 5	< 5	< 50	< 50	< 5
Dichlorodifluoromethane	NS	< 10	< 10	< 10	< 100	< 100	< 10
Ethylbenzene	700	< 5	< 5	3.64 J	3.25 J	3.4 J	3.79 J
Hexachlorobutadiene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Isopropylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
m-,p-Xylene	10,000	< 5	< 5	8.77	7.38 J	8.11 J	9.06
Methylene chloride	5	< 5	0.33 J	**28.5**	**27.5** J	**29.8** J	**31.3**
Naphthalene	NS	< 10	< 10	< 10	< 100	< 100	< 10
n-Butylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
n-Hexane	NS	< 10	< 10	< 10	< 100	< 100	< 10
n-Propylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
o-Xylene	10,000	< 5	< 5	3.44 J	< 50	2.81 J	3.48 J
p-Isopropyltoluene	NS	< 5	< 5	< 5	< 50	< 50	< 5
sec-Butylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Styrene	100	< 5	< 5	< 5	< 50	< 50	< 5
tert-Butylbenzene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 50	< 50	< 5
Toluene	1,000	< 5	< 5	17.5	15.3 J	17.7 J	18.3
trans-1,2-Dichloroethene	100	< 5	< 5	< 5	< 50	< 50	< 5
trans-1,3-Dichloropropene	NS	< 5	< 5	< 5	< 50	< 50	< 5
Trichloroethene	5	< 5	< 5	< 5	< 50	< 50	< 5
Trichlorofluoromethane	NS	< 10	< 10	< 10	< 100	< 100	< 10
Vinyl acetate	NS	< 10	< 10	< 10	< 100	< 100	< 10
Vinyl chloride	2	< 2	< 2	< 2	< 20	< 20	< 2

Notes:
J = Present below nominal reporting limit.
I = Semi-quantitative result, out of instrument calibration range.
All results are shown in micrograms per liter (ug/l).
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 28
Organic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW8S 8/4/2004	MW8S (2nd set-diluted) 8/4/2004	MW8S 8/31/2004	MW8S (2nd set - diluted) 8/31/2004
1,1,1,2-Tetrachloroethane	NS	< 5	< 50	< 5	< 50
1,1,1-Trichloroethane	200	< 5	< 50	< 5	< 50
1,1,2,2-Tetrachloroethane	NS	< 5	< 50	< 5	< 50
1,1,2-Trichloroethane	5	< 5	< 50	< 5	< 50
1,1-Dichloroethane	NS	0.95 J	< 50	1.1 J	< 50
1,1-Dichloroethene	7	< 5	< 50	< 5	< 50
1,1-Dichloropropene	NS	< 5	< 50	< 5	< 50
1,2,3-Trichlorobenzene	NS	< 5	< 50	< 5	< 50
1,2,3-Trichloropropane	NS	< 5	< 50	< 5	< 50
1,2,4-Trichlorobenzene	70	< 5	< 50	< 5	< 50
1,2,4-Trimethylbenzene	NS	< 5	< 50	< 5	< 50
1,2-Dibromo-3-chloropropane	NS	< 5	< 50	< 5	< 50
1,2-Dibromoethane	NS	< 5	< 50	< 5	< 50
1,2-Dichlorobenzene	NS	< 5	< 50	< 5	< 50
1,2-Dichloroethane	5	< 5	< 50	< 5	< 50
1,2-Dichloropropane	5	< 5	< 50	< 5	< 50
1,3,5-Trimethylbenzene	NS	< 5	< 50	< 5	< 50
1,3-Dichlorobenzene	NS	< 5	< 50	< 5	< 50
1,3-Dichloropropane	NS	< 5	< 50	< 5	< 50
1,4-Dichlorobenzene	NS	< 5	< 50	< 5	< 50
2,2-Dichloropropane	NS	< 5	< 50	< 5	< 50
2-Butanone	NS	82.4 J	41.8 J	44.3 J	32.6 J
2-Chloroethyl vinyl ether	NS	< 10	< 100	< 10	< 100
2-Chlorotoluene	NS	< 5	< 50	< 5	< 50
2-Hexanone	NS	< 10	< 100	< 10	< 100
4-Chlorotoluene	NS	< 5	< 50	< 5	< 50
4-Methyl-2-pentanone	NS	14.5	< 100	10.8	< 100
Acetone	NS	512 I	324 J	207 I	227 J
Benzene	5	0.13 J	< 50	< 5	< 50
Bromobenzene	NS	< 5	< 50	< 5	< 50
Bromochloromethane	NS	< 5	< 50	< 5	< 50
Bromodichloromethane	NS	< 5	< 50	< 5	< 50
Bromoform	NS	< 5	< 50	< 5	< 50
Bromomethane	NS	< 10	< 100	< 10	< 100
Carbon disulfide	NS	< 5	< 50	< 5	< 50
Carbon tetrachloride	5	< 5	< 50	< 5	< 50
Chlorobenzene	100	< 5	< 50	< 5	< 50
Chlorodibromomethane	NS	< 5	< 50	< 5	< 50
Chloroethane	NS	< 10	< 100	< 10	< 100
Chloroform	NS	< 5	< 50	< 5	< 50
Chloromethane	NS	< 10	< 100	< 10	< 100
cis-1,2-Dichloroethene	70	< 5	< 50	< 5	< 50
cis-1,3-Dichloropropene	NS	< 5	< 50	< 5	< 50
Dibromomethane	NS	< 5	< 50	< 5	< 50
Dichlorodifluoromethane	NS	< 10	< 100	< 10	< 100
Ethylbenzene	700	3.59 J	2.89 J	3.8 J	3.05 J
Hexachlorobutadiene	NS	< 5	< 50	< 5	< 50
Isopropylbenzene	NS	< 5	< 50	< 5	< 50
m-,p-Xylene	10,000	8.7	7 J	8.87	8.26 J
Methylene chloride	5	28	28.1 J	30.6	29.5 J
Naphthalene	NS	< 10	< 100	< 10	< 100
n-Butylbenzene	NS	< 5	< 50	< 5	< 50
n-Hexane	NS	< 10	< 100	< 10	< 100
n-Propylbenzene	NS	< 5	< 50	< 5	< 50
o-Xylene	10,000	3.31 J	< 50	3.46 J	3.44 J
p-Isopropyltoluene	NS	< 5	< 50	< 5	< 50
sec-Butylbenzene	NS	< 5	< 50	< 5	< 50
Styrene	100	< 5	< 50	< 5	< 50
tert-Butylbenzene	NS	< 5	< 50	< 5	< 50
Tetrachloroethene	5	< 5	< 50	< 5	< 50
Toluene	1,000	17.2	15.7 J	18.2	17.8 J
trans-1,2-Dichloroethene	100	< 5	< 50	< 5	< 50
trans-1,3-Dichloropropene	NS	< 5	< 50	< 5	< 50
Trichloroethene	5	< 5	< 50	< 5	< 50
Trichlorofluoromethane	NS	< 10	< 100	< 10	< 100
Vinyl acetate	NS	< 10	< 100	< 10	< 100
Vinyl chloride	2	< 2	< 20	< 2	< 20

Notes:
J = Present below nominal reporting limit.
I = Semi-quantitative result, out of instrument calibration range.
All results are shown in micrograms per liter (ug/l).
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 28
Organic Results from Identified Area #6 - Groundwater Samples
Newark Processing

Parameter	VAP Standard	MW9 8/4/2004	MW9 (2nd set - diluted) 8/4/2004	MW9 8/31/2004	MW9 (2nd set - dilution) 8/31/2004	MW10 8/4/2004	MW10 8/31/2004
1,1,1,2-Tetrachloroethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,1,1-Trichloroethane	200	< 5	< 50	< 5	< 50	< 5	< 5
1,1,2,2-Tetrachloroethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,1,2-Trichloroethane	5	< 5	< 50	< 5	< 50	< 5	< 5
1,1-Dichloroethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,1-Dichloroethene	7	< 5	< 50	< 5	< 50	< 5	< 5
1,1-Dichloropropene	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2,3-Trichlorobenzene	NS	< 5	< 50	< 5	1.38 J	< 5	< 5
1,2,3-Trichloropropane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2,4-Trichlorobenzene	70	< 5	< 50	< 5	< 50	< 5	< 5
1,2,4-Trimethylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2-Dibromo-3-chloropropane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2-Dibromoethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2-Dichlorobenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,2-Dichloroethane	5	< 5	< 50	< 5	< 50	< 5	< 5
1,2-Dichloropropane	5	< 5	< 50	< 5	< 50	< 5	< 5
1,3,5-Trimethylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,3-Dichlorobenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,3-Dichloropropane	NS	< 5	< 50	< 5	< 50	< 5	< 5
1,4-Dichlorobenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
2,2-Dichloropropane	NS	< 5	< 50	< 5	< 50	< 5	< 5
2-Butanone	NS	44.7 J	< 1000	28.1 J	< 1000	< 100	< 100
2-Chloroethyl vinyl ether	NS	< 10	< 100	< 10	< 100	< 10	< 10
2-Chlorotoluene	NS	< 5	< 50	< 5	< 50	< 5	< 5
2-Hexanone	NS	< 10	< 100	< 10	< 100	< 10	< 10
4-Chlorotoluene	NS	< 5	< 50	< 5	< 50	< 5	< 5
4-Methyl-2-pentanone	NS	7.43 J	< 100	7.86 J	< 100	< 10	< 10
Acetone	NS	636 I	317 J	291 I	233 J	< 100	< 100
Benzene	5	< 5	< 50	< 5	< 50	< 5	< 5
Bromobenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Bromochloromethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
Bromodichloromethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
Bromoform	NS	< 5	< 50	< 5	< 50	< 5	< 5
Bromomethane	NS	< 10	< 100	< 10	< 100	< 10	< 10
Carbon disulfide	NS	< 5	< 50	< 5	< 50	< 5	< 5
Carbon tetrachloride	5	< 5	< 50	< 5	< 50	< 5	< 5
Chlorobenzene	100	< 5	< 50	< 5	< 50	< 5	< 5
Chlorodibromomethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
Chloroethane	NS	< 10	< 100	< 10	< 100	< 10	< 10
Chloroform	NS	< 5	< 50	< 5	< 50	< 5	< 5
Chloromethane	NS	< 10	< 100	< 10	< 100	< 10	< 10
cis-1,2-Dichloroethene	70	< 5	< 50	0.7 J	< 50	< 5	< 5
cis-1,3-Dichloropropene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Dibromomethane	NS	< 5	< 50	< 5	< 50	< 5	< 5
Dichlorodifluoromethane	NS	< 10	< 100	< 10	< 100	< 10	< 10
Ethylbenzene	700	< 5	< 50	< 5	< 50	< 5	< 5
Hexachlorobutadiene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Isopropylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
m-,p-Xylene	10,000	< 5	< 50	< 5	< 50	< 5	< 5
Methylene chloride	5	< 5	< 50	< 5	< 50	< 5	0.41 J
Naphthalene	NS	< 10	< 100	< 10	< 100	< 10	< 10
n-Butylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
n-Hexane	NS	< 10	< 100	< 10	< 100	< 10	< 10
n-Propylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
o-Xylene	10,000	< 5	< 50	< 5	< 50	< 5	< 5
p-Isopropyltoluene	NS	< 5	< 50	< 5	< 50	< 5	< 5
sec-Butylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Styrene	100	< 5	< 50	< 5	< 50	< 5	< 5
tert-Butylbenzene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Tetrachloroethene	5	< 5	< 50	< 5	< 50	< 5	< 5
Toluene	1,000	< 5	< 50	< 5	< 50	< 5	< 5
trans-1,2-Dichloroethene	100	< 5	< 50	< 5	< 50	< 5	< 5
trans-1,3-Dichloropropene	NS	< 5	< 50	< 5	< 50	< 5	< 5
Trichloroethene	5	< 5	< 50	< 5	< 50	< 5	< 5
Trichlorofluoromethane	NS	< 10	< 100	< 10	< 100	< 10	< 10
Vinyl acetate	NS	< 10	< 100	< 10	< 100	< 10	< 10
Vinyl chloride	2	< 2	< 20	< 2	< 20	< 2	< 2

Notes:
J = Present below nominal reporting limit.
I = Semi-quantitative result, out of instrument calibration range.
All results are shown in micrograms per liter (ug/l).
VAP Standard = Generic Unrestricted Potable Use Standard.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 29
Organic Results from Identified Area #7 - Subsurface Soil Samples
Septic Tank Leach Field (STLF) Area
Newark Processing

Parameter	VAP Standard (ug/kg)	STLF-GP1 6/23/2004 (8')	STLF-GP2 6/23/2004 (8')	STLF-GP3 6/23/2004 (8')
1,1,1,2-Tetrachloroethane	490,000	< 6.1	< 6.1	< 6.31
1,1,1-Trichloroethane	1,400,000	< 6.1	< 6.1	< 6.31
1,1,2,2-Tetrachloroethane	55,000	< 6.1	< 6.1	< 6.31
1,1,2-Trichloroethane	120,000	< 6.1	< 6.1	< 6.31
1,1-Dichloroethane	2,300,000	< 6.1	< 6.1	< 6.31
1,1-Dichloroethene	7,500	< 6.1	< 6.1	< 6.31
1,1-Dichloropropene	NS	< 6.1	< 6.1	< 6.31
1,2,3-Trichlorobenzene	NS	< 6.1	< 6.1	< 6.31
1,2,3-Trichloropropane	29,000	< 6.1	< 6.1	< 6.31
1,2,4-Trichlorobenzene	NS	< 6.1	< 6.1	< 6.31
1,2,4-Trimethylbenzene	210,000	< 6.1	< 6.1	< 6.31
1,2-Dibromo-3-chloropropane	NS	< 6.1	< 6.1	< 6.31
1,2-Dibromoethane	NS	< 6.1	< 6.1	< 6.31
1,2-Dichlorobenzene	370,000	< 6.1	< 6.1	< 6.31
1,2-Dichloroethane	49,000	< 6.1	< 6.1	< 6.31
1,2-Dichloropropane	60,000	< 6.1	< 6.1	< 6.31
1,3,5-Trimethylbenzene	180,000	< 6.1	< 6.1	< 6.31
1,3-Dichlorobenzene	240,000	< 6.1	< 6.1	< 6.31
1,3-Dichloropropane	NS	< 6.1	< 6.1	< 6.31
1,4-Dichlorobenzene	470,000	< 6.1	< 6.1	< 6.31
2,2-Dichloropropane	NS	< 6.1	< 6.1	< 6.31
2-Butanone	71,600,000	< 122	< 122	< 126
2-Chloroethyl vinyl ether	NS	< 12.2	< 12.2	< 12.6
2-Chlorotoluene	NS	< 6.1	< 6.1	< 6.31
2-Hexanone	NS	< 12.2	< 12.2	< 12.6
4-Chlorotoluene	NS	< 6.1	< 6.1	< 6.31
4-Methyl-2-pentanone	?	< 12.2	< 12.2	< 12.6
Acetone	100,000,000	< 122	< 122	< 126
Benzene	100,000	< 6.1	< 6.1	< 6.31
Bromobenzene	NS	< 6.1	< 6.1	< 6.31
Bromochloromethane	NS	< 6.1	< 6.1	< 6.31
Bromodichloromethane	NS	< 6.1	< 6.1	< 6.31
Bromoform	?	< 6.1	< 6.1	< 6.31
Bromomethane	NS	< 12.2	< 12.2	< 12.6
Carbon disulfide	720,000	< 6.1	< 6.1	< 6.31
Carbon tetrachloride	16,000	< 6.1	< 6.1	< 6.31
Chlorobenzene	690,000	11.1	< 6.1	< 6.31
Chlorodibromomethane	NS	< 6.1	< 6.1	< 6.31
Chloroethane	100,000,000	< 12.2	< 12.2	< 12.6
Chloroform	32,000	< 6.1	< 6.1	< 6.31
Chloromethane	NS	< 12.2	< 12.2	< 12.6
cis-1,2-Dichloroethene	12,000,000	< 6.1	< 6.1	< 6.31
cis-1,3-Dichloropropene	NS	< 6.1	< 6.1	< 6.31
Dibromomethane	NS	< 6.1	< 6.1	< 6.31
Dichlorodifluoromethane	850,000	< 12.2	< 12.2	< 12.6
Ethylbenzene	230,000	< 6.1	< 6.1	< 6.31
Hexachlorobutadiene	NS	< 6.1	< 6.1	< 6.31
Isopropylbenzene	NS	< 6.1	< 6.1	< 6.31
m-,p-Xylene	160,000	< 6.1	< 6.1	< 6.31
Methylene chloride	1,300,000	< 6.1	< 6.1	< 6.31
Naphthalene	530,000	< 12.2	< 12.2	< 12.6
n-Butylbenzene	NS	< 6.1	< 6.1	< 6.31
n-Hexane	180,000	< 12.2	< 12.2	< 12.6
n-Propylbenzene	NS	< 6.1	< 6.1	< 6.31
o-Xylene	160,000	< 6.1	< 6.1	< 6.31
p-Isopropyltoluene	NS	< 6.1	< 6.1	< 6.31
sec-Butylbenzene	NS	< 6.1	< 6.1	< 6.31
Styrene	1,700,000	< 6.1	< 6.1	< 6.31
tert-Butylbenzene	NS	< 6.1	< 6.1	< 6.31
Tetrachloroethene	370,000	< 6.1	< 6.1	< 6.31
Toluene	520,000	2.65 J	< 6.1	< 6.31
trans-1,2-Dichloroethene	2,500,000	< 6.1	< 6.1	< 6.31
trans-1,3-Dichloropropene	NS	< 6.1	< 6.1	< 6.31
Trichloroethene	380,000	0.733 J	< 6.1	< 6.31
Trichlorofluoromethane	2,000,000	< 12.2	< 12.2	< 12.6
Vinyl acetate	2,700,000	< 12.2	< 12.2	< 12.6
Vinyl chloride	25,000	< 2.44	< 2.44	< 2.52

Notes:
All results are shown in micrograms per kilogram (ug/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Commercial-Industrial Land Use Category.
NS = No VAP Standard for this parameter.

TABLE 30
Inorganic Results from Shawnee Run (SR) - Surface Water Samples
Newark Processing

Parameter	Ohio Water Quality Standard Aquatic Life OMZA[1]	Ohio Water Quality Standard Human Health [2]	SR-SW-1 7/7/2004	SRSW-01B 8/18/2004	SR-SW-2 7/7/2004	SRSW-02B 8/18/2004	SR-SW-3 7/7/2004	SRSW-03B 8/18/2004
Aluminum	NS	NS	0.101	< 0.099	0.181	< 0.050	0.168	< 0.050
Arsenic, Total	150	NS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium, Total	NS	NS	0.0341	0.0395	0.0303	0.0331	0.0329	0.0313
Cadmium, Total	0.0053*	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Total	0.192*	NS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cyanide	0.012	220	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1
Fluoride	2.0**	NS	0.188	0.149	0.156	0.105	0.141	0.098 J
Nickel	0.119*	4.6	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium, Total	0.005	11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.02
Zinc, Total	0.274	69	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.01
Nitrogen, Ammonia	2.4 - 3.2[3]	NS	0.084 J	1.33	0.204	0.142	0.183	0.112
Nitrogen, Nitrate-Nitrite	100**	NS	1.97	1.99	1.85	1.67	1.85	1.67
Hardness	NS	NS	303		239		237	

Notes:
All results shown in milligrams per liter (mg/l).
J = Present below nominal reporting limit.
NS = No Ohio Water Quality Standard for this parameter.
[1] OMZA = Outside the Mixing Zone Average
[2] Human Health - Non Drinking Standard
[3] Based on the pH of 7.6 and temperature ranging from 20 to 24 degrees C during sampling
*Based on an average hardness of 274 mg/l.
** Water quality standard for protection of agricultural use.

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TABLE 30
Inorganic Results from Shawnee Run (SR) - Surface Water Samples
Newark Processing

Parameter	Ohio Water Quality Standard Aquatic Life OMZA[1]	Ohio Water Quality Standard Human Health [2]	SR-SW-4 7/7/2004	SRSW-04B 8/18/2004	SR-SW-5 7/7/2004	SRSW-05B 8/18/2004
Aluminum	NS	NS	1.260	< 0.050	0.134	< 0.050
Arsenic, Total	150	NS	< 0.1	< 0.1	< 0.1	< 0.1
Barium, Total	NS	NS	0.0418	0.033	0.0191	0.0342
Cadmium, Total	0.0053*	NS	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Total	0.192*	NS	< 0.02	< 0.02	< 0.02	< 0.02
Cyanide	0.012	220	< 0.01	< 0.01	< 0.01	< 0.01
Fluoride	2.0**	NS	0.19	0.968 J	0.131	0.0949 J
Nickel	0.119*	4.6	0.0065	< 0.005	< 0.005	< 0.005
Selenium, Total	0.005	11	< 0.1	< 0.1	< 0.1	< 0.1
Zinc, Total	0.274	69	< 0.02	< 0.02	< 0.02	< 0.02
Nitrogen, Ammonia	Varies [3]	NS	2.24	0.118	0.0680 J	0.102
Nitrogen, Nitrate-Nitrite	100**	NS	2.45	1.65	1.92	1.71
Hardness	NS	NS	272		265	

Notes:
All results shown in milligrams per liter (mg/l).
J = Present below nominal reporting limit.
NS = No Ohio Water Quality Standard for this parameter.
[1] OMZA = Outside the Mixing Zone Average
[2] Human Health - Non Drinking Standard
[3] Ammonia standards are dependant upon water temperature and pH and are different for various months of the year.
*Based on an average hardness of 274 mg/l.
** Water quality standard for protection of agricultural use.

TABLE 31
Inorganic Results from Licking River (LR) - Surface Water Samples
Newark Processing

Parameter	Ohio Water Quality Standard Aquatic Life OMZA[1]	Ohio Water Quality Standard Human Health[2]	LR-SW-1 7/7/2004	LRSW-01B 8/18/2004	LR-SW-2 7/7/2004	LRSW-02B 8/18/2004	LR-SW-3 7/7/2004	LRSW-03B 8/18/2004	LR-SW-4 7/7/2004
Aluminum	NS	NS	0.182	< 0.050	0.143	< 0.050	0.448	< 0.050	0.133
Arsenic, Total	150	NS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium, Total	NS	NS	0.0562	0.0645	0.0597	0.0679	0.0554	0.0617	0.0579
Cadmium, Total	0.0055*	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Total	0.193*	NS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cyanide	0.012	220	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoride	2.0**	NS	0.243	0.265	0.264	0.271	0.268	0.258	0.257
Nickel	0.12*	4.6	0.0085	0.0062	0.0082	0.0069	0.0085	0.0065	0.0081
Selenium, Total	0.005	11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Zinc, Total	0.274	69	0.0105 J	< 0.02	0.00669 J	< 0.02	< 0.02	< 0.02	< 0.02
Nitrogen, Ammonia	2.4 - 3.2[3]	NS	0.176	0.341	0.269	0.478	0.342	0.181	0.286
Nitrogen, Nitrate-Nitrite	100**	NS	3.05	2.19	3.05	2.21	3.21	2.36	2.95
Hardness	NS	NS	288		289		288		286

Notes:
All results shown in milligrams per liter (mg/l).
J = Present below nominal reporting limit.
NS = No Ohio Water Quality Standard for this parameter.
Bold text indicates that the value exceeds Ohio Water Quality Standard.
[1] OMZA = Outside the Mixing Zone Average
[2] Human Health - Non Drinking Standard
[3] Based on the pH of 7.6 and temperature ranging from 20 to 24 degrees C during sampling
*Based on an average hardness of 288 mg/l.
** Water quality standard for protection of agricultural use.

TABLE 32
Organic Results from Shawnee Run (SR) - Surface Water Samples
Newark Processing

Parameter	Ohio Water Quality Standard Aquatic Life OMZA[1]	Ohio Water Quality Standard Human Health[2]	SR-SW-1 7/7/2004	SR-SW-2 7/7/2004	SR-SW-4 7/7/2004	SR-SW-5 7/7/2004
1,1,1,2-Tetrachloroethane	85	NS	< 5	< 5	< 5	< 5
1,1,1-Trichloroethane	76	NS	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	260	110	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	740	420	< 5	< 5	< 5	< 5
1,1-Dichloroethane	NS	NS	< 5	< 5	< 5	< 5
1,1-Dichloroethene	210	32	< 5	< 5	< 5	< 5
1,1-Dichloropropene	NS	NS	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	NS	NS	< 5	< 5	< 5	< 5
1,2,3-Trichloropropane	NS	NS	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	NS	940	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	NS	NS	< 5	< 5	< 5	< 5
1,2-Dibromo-3-chloropropane	NS	NS	< 5	< 5	< 5	< 5
1,2-Dibromoethane	NS	NS	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	23	17,000	< 5	< 5	< 5	< 5
1,2-Dichloroethane	2,000	990	< 5	< 5	< 5	< 5
1,2-Dichloropropane	520	390	< 5	< 5	< 5	< 5
1,3,5-Trimethylbenzene	NS	NS	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	22	2,600	< 5	< 5	< 5	< 5
1,3-Dichloropropane	NS	NS	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	9.4	2,600	< 5	< 5	< 5	< 5
2,2-Dichloropropane	NS	NS	< 5	< 5	< 5	< 5
2-Butanone	22,000	NS	< 100	< 100	< 100	< 100
2-Chloroethyl vinyl ether	NS	NS	< 10	< 10	< 10	< 10
2-Chlorotoluene	NS	NS	< 5	< 5	< 5	< 5
2-Hexanone	NS	NS	< 10	< 10	< 10	< 10
4-Chlorotoluene	NS	NS	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone	NS	NS	< 10	< 10	< 10	< 10
Acetone	NS	NS	< 100	< 100	< 100	< 100
Benzene	160	710	< 5	< 5	< 5	< 5
Bromobenzene	NS	NS	< 5	< 5	< 5	< 5
Bromochloromethane	NS	NS	< 5	< 5	< 5	< 5
Bromodichloromethane	NS	460	< 5	< 5	< 5	< 5
Bromoform	230	3,600	< 5	< 5	< 5	< 5
Bromomethane	16	4,000	< 10	< 10	< 10	< 10
Carbon disulfide	15	NS	< 5	< 5	< 5	< 5
Carbon tetrachloride	240	44	< 5	< 5	< 5	< 5
Chlorobenzene	47	21,000	< 5	< 5	< 5	< 5
Chlorodibromomethane	NS	340	< 5	< 5	< 5	< 5
Chloroethane	NS	NS	< 10	< 10	< 10	< 10
Chloroform	140	4,700	< 5	< 5	< 5	< 5
Chloromethane	NS	NS	< 10	< 10	< 10	< 10
cis-1,2-Dichloroethene	970*	NS	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene	NS	NS	< 5	< 5	< 5	< 5
Dibromomethane	NS	NS	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	NS	NS	0.406 J	< 10	< 10	0.266 J
Ethylbenzene	61	29,000	< 5	< 5	< 5	< 5
Hexachlorobutadiene	NS	500	< 5	< 5	< 5	< 5
Isopropylbenzene	4.8	NS	< 5	< 5	< 5	< 5
m-,p-Xylene	27**	NS	< 5	< 5	< 5	< 5
Methylene chloride	1,900	16,000	< 5	< 5	< 5	< 5
Naphthalene	21	NS	< 10	< 10	< 10	< 10
n-Butylbenzene	NS	NS	< 5	< 5	< 5	< 5
n-Hexane	NS	NS	< 10	< 10	< 10	< 10
n-Propylbenzene	NS	NS	< 5	< 5	< 5	< 5
o-Xylene	27**	NS	< 5	< 5	< 5	< 5
p-Isopropyltoluene	NS	NS	< 5	< 5	< 5	< 5
sec-Butylbenzene	NS	NS	< 5	< 5	< 5	< 5
Styrene	32	NS	< 5	< 5	< 5	< 5
tert-Butylbenzene	NS	NS	< 5	< 5	< 5	< 5
Tetrachloroethene	53	39	< 5	< 5	< 5	< 5
Toluene	62	200,000	< 5	< 5	0.444 J	< 5
trans-1,2-Dichloroethene	970*	140,000	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene	NS	NS	< 5	< 5	< 5	< 5
Trichloroethene	220	810	< 5	< 5	< 5	< 5
Trichlorofluoromethane	NS	NS	< 10	< 10	< 10	< 10
Vinyl acetate	NS	NS	< 10	< 10	< 10	< 10
Vinyl chloride	930	5,300	< 2	< 2	< 2	< 2

Notes:
All results shown in milligrams per liter (mg/l).
J = Present below nominal reporting limit.
NS = No Ohio Water Quality Standard for this parameter.
Bold text indicates that the value exceeds Ohio Water Quality Standard.
[1] OMZA = Outside the Mixing Zone Average
[2] Human Health - Non Drinking Standard
* This standard is for 1,2-Dichloroethylene which includes cis-1,2-Dichloroetheylene and trans-1,2-Dichloroethylene.
** The standard for xylenes includes the sum of m,o and p-xylenes.

TABLE 33
Inorganic Results from Shawnee Run (SR) - Sediment Samples
Newark Processing

Parameter	VAP Standard	SRSE-01 8/18/2004	SRSE-02 8/18/2004	SRSE-03 8/18/2004	SRSE-04 8/18/2004	SRSE-05 8/18/2004
Aluminum	75,000	3,830	5,270	4,430	5,240	3,800
Arsenic, Total	6.8	**8.96**	**8.59**	**8.14**	**8.51**	**9.64**
Barium, Total	5,400	36.2	48.4	50.3	42.4	44.7
Cadmium, Total	35	0.371 J	0.364 J	0.414 J	0.381 J	0.388 J
Chromium, Total	120,000	8.86	10.2	10.7	9.41	9.74
Cyanide	1,600	< 0.708	< 0.768	< 0.841	< 0.836	< 1.01
Fluoride	4,700	1.38 J	1.06 J	< 1.69	< 1.76	< 2.09
Nickel	1,500	8.61	10.3	10.3	12.3	8.88
Selenium, Total	390	< 6.18	1.28 J	1.28 J	0.962 J	< 8.53
Zinc, Total	23,000	68.1	66.7	86.3	71.2	73.8
Nitrogen, Ammonia	NS	31.9	29.5	24	22.3	34.1

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Residential Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 34
Inorganic Results from Licking River (LR) - Sediment Samples
Newark Processing

Parameter	VAP Standard	LRSE-01 8/18/2004	LRSE-02 8/18/2004	LRSE-03 8/18/2004
Aluminum	75,000	4,350	9,910	3,820
Arsenic, Total	6.8	12.2	11.4	9.41
Barium, Total	5,400	65.7	56.2	36.5
Cadmium, Total	35	0.51 J	0.574 J	0.401 J
Chromium, Total	120,000	10.4	39.3	7.21
Cyanide	1,600	< 0.935	< 0.855	< 0.659
Fluoride	4,700	2.07	9.33	0.907 J
Nickel	1,500	11.5	16	10.8
Selenium, Total	390	1.79 J	2.75 J	< 6.5
Zinc, Total	23,000	79.5	155	55.9
Nitrogen, Ammonia	NS	30.5	6.66	20.8

Notes:
All results shown in milligrams per kilogram (mg/kg).
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Residential Land Use Category.
NS = No VAP Standard for this parameter.
Bold text indicates that the value exceeds VAP Standard.

TABLE 35
Organic Results from Shawnee Run (SR) - Sediment Samples
Newark Processing

Parameter	VAP Standard	SRSE-01 8/18/2004	SRSE-02 8/18/2004	SRSE-03 8/18/2004	SRSE-03 (2nd set) 8/18/2004	SRSE-04 8/18/2004	SRSE-04 (2nd set) 8/18/2004	SRSE-05 8/18/2004
1,1,1,2-Tetrachloroethane	95,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1,1-Trichloroethane	990,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1,2,2-Tetrachloroethane	11,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1,2-Trichloroethane	24,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1-Dichloroethane	580,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1-Dichloroethene	1,600	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,1-Dichloropropene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2,3-Trichlorobenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2,3-Trichloropropane	1,500	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2,4-Trichlorobenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2,4-Trimethylbenzene	22,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2-Dibromo-3-chloropropane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2-Dibromoethane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2-Dichlorobenzene	150,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2-Dichloroethane	10,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,2-Dichloropropane	6,400	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,3,5-Trimethylbenzene	19,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,3-Dichlorobenzene	68,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,3-Dichloropropane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
1,4-Dichlorobenzene	95,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
2,2-Dichloropropane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
2-Butanone	6,700,000	< 147	< 156	5.58 J,E	9.11 J	6.02 J	7.85 J	8.81 J
2-Chloroethyl vinyl ether	NS	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
2-Chlorotoluene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
2-Hexanone	NS	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
4-Chlorotoluene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
4-Methyl-2-pentanone	700,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Acetone	7,300,000	< 147	20.1 J	22.4 J	28 J	26.7 J	22.6 J	32 J
Benzene	9,800	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Bromobenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Bromochloromethane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Bromodichloromethane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Bromoform	130,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Bromomethane	NS	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Carbon disulfide	350,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Carbon tetrachloride	1,700	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Chlorobenzene	150,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Chlorodibromomethane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Chloroethane	8,800,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Chloroform	7,300	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Chloromethane	NS	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
cis-1,2-Dichloroethene	760,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
cis-1,3-Dichloropropene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Dibromomethane	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Dichlorodifluoromethane	120,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Ethylbenzene	1,500,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Hexachlorobutadiene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Isopropylbenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
m-,p-Xylene	160,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Methylene chloride	250,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Naphthalene	54,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
n-Butylbenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
n-Hexane	71,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
n-Propylbenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
o-Xylene	160,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
p-Isopropyltoluene	NS	< 7.36	< 7.78	< 8.48	1.41 J	1.28 J,E	4.17 J	< 10.5
sec-Butylbenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Styrene	1,700,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
tert-Butylbenzene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Tetrachloroethene	130,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Toluene	520,000	< 7.36	< 7.78	< 8.48	1.02 J	< 8.59	< 8.59	2.28 J
trans-1,2-Dichloroethene	1,500,000	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
trans-1,3-Dichloropropene	NS	< 7.36	< 7.78	< 8.48	< 8.48	< 8.59	< 8.59	< 10.5
Trichloroethene	80,000	< 7.36	< 7.78	< 8.48	1.02 J	< 8.59	1.08 J	< 10.5
Trichlorofluoromethane	490,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Vinyl acetate	410,000	< 14.7	< 15.6	< 17	< 17	< 17.2	< 17.2	< 21
Vinyl chloride	3,700	< 2.94	< 3.11	< 3.39	< 3.39	< 3.44	< 3.44	< 4.2

Notes:
All results are shown in micrograms per kilogram (ug/kg).
E = Estimated concentration due to sample matrix interference.
J = Present below nominal reporting limit.
VAP Standard = Generic Direct-Contact Soil Standard - Residential Land Use Category.
NS = No VAP Standard for this parameter.

REVISION RECORD	
DATE	DESCRIPTION

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SAMPLING LOCATIONS
NEWARK PROCESSING

DATE: JUNE 2005	APPROVED BY:	DWN BY: R.J.
SCALE: 1" = 80'		CHKD. BY: R.J.W
		SHEET 1 OF 1
FIGURE 2		DRAWING NUMBER 040358

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