Phase III Sediment Investigation Data Report

Former Hampshire Chemical Corp Facility
Waterloo, New York

Prepared for

The Dow Chemical Company

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CH2MHILL

Contents

Figures

Acronyms and Abbreviations

µg/kg	micrograms per kilogram
AACO	Amended Administrative Consent Order
AOC	area of concern
ASTM	American Society for Testing and Materials
Dow	The Dow Chemical Company
Evans	Evans Chemetics Facility
HCC	Hampshire Chemical Corp
NYSDEC	New York State Department of Environmental Conservation
OBG	O'Brien & Gere
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
pH	hydrogen ion concentration
RCRA	Resource Conservation and Recovery Act
RFI	Resource Conservation and Recovery Act facility investigation
site	former Hampshire Chemical Corp facility, now known as the "Evans Chemetics Facility" located in Waterloo, New York
SVOC	semivolatile organic compound
TAL	target analyte list
TCL	target compound list
TOC	total organic carbon
TSS	total suspended solids
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WWTP	waste water treatment plant

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SECTION 1

Introduction

This data report presents the results of the Phase III sediment investigation conducted within the Seneca-Cayuga Canal downstream of the former Hampshire Chemical Corp. (HCC) facility, now known as the "Evans Chemetics Facility"(Evans), located in Waterloo, New York (the "site"). HCC is a subsidiary of The Dow Chemical Company (Dow). The canal was identified as Area of Concern (AOC) A, and is being investigated as part of the Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) being conducted pursuant to an Amended Administrative Consent Order (AACO) executed between HCC and the New York State Department of Environmental Conservation (NYSDEC) (Index Number 8-20000218-3281, June 1, 2004). The Phase III work was conducted in accordance with the *Phase I Sediment Characterization Results/Phase II Work Plan* (CH2M HILL 2009a), *Phase III Sediment Characterization Work Plan* (CH2M HILL 2010), and Phase II work plan addendum to the *RCRA Facility Investigation Work Plan* (CH2M HILL 2004), previously approved by the NYDEC.

1.1 Purpose and Objectives

As discussed with NYSDEC and reflected in the *Phase III Sediment Characterization Work Plan* (CH2M HILL 2010), the objective of the Phase III sediment characterization was to further evaluate AOC A sediment in the area approximately 840 feet downstream of the eastern extent of the Phase II characterization for compounds potentially attributed to operations at the HCC facility.

1.2 Site Background

The Seneca-Cayuga Canal (also known as the Seneca River), part of the New York State canal system, is located adjacent to the southern boundary of the site. The canal was created when three sets of locks and dams were installed to support navigation through a series of rapids. Adjacent to the site, the canal ranges from approximately 130 to 150 feet wide and has water depths in the center channel between 14 and 16 feet. Manual probing conducted within the canal as part of Phase I sediment characterization activities determined that the canal bed consists primarily of a bedrock/cobble/boulder substrate with measurable sediment predominantly located along the south shoreline opposite the site with minor deposits along the north shoreline (CH2M HILL 2009a).

In addition to the sediment deposits identified near the site, sediment deposits were encountered across the entire channel downstream of the Gorham Street bridge, along the north shore of the canal near the Waterloo Waste Water Treatment Plant (WWTP), and across the entire channel downstream of Silver Creek, which enters the canal from the south, just downstream of the Waterloo WWTP.

Canal raceways historically connected to the Seneca-Cayuga Canal and were present on the site property since the 1800s. By 1948, most of the site raceways were filled and covered, with the exception of one raceway that currently exists on the northern side of the site along

U.S. Route 20/New York State Route 5. The existing raceway provides noncontact cooling water for existing site operations. To date, characterization of sediment within the raceway has not been conducted.

Before 1975, liquids that collected in facility floor and stormwater drains were discharged directly to the canal through the wash-water sewer system. The canal was identified as an AOC because of the former discharges to the canal. Historically, discharges to the Seneca-Cayuga Canal were conveyed through as many as nine outfalls.

Previous sediment sampling was conducted in 2001 and 2004 at 24 locations in the canal (O'Brien & Gere [OBG] 2003; CH2M HILL 2006) and consisted of surficial samples (0– to 1-foot depth interval) with some limited samples at depth (1– to 2-foot depth interval). The sample locations were focused along the shoreline adjacent to the site and near some of the historical outfall locations. Samples were analyzed for U.S. Environmental Protection Agency (USEPA) SW846 target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), TCL polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, and total organic carbon (TOC). These results were reported to NYSDEC in an RFI report (CH2M HILL 2006).

Phase II of the canal characterization was conducted in October 2009 and consisted of collection of surface sediment (0 to 6 inches below the sediment surface), subsurface sediment, and surface water samples. The surface sediment samples were collected from 48 locations within AOC A and 12 locations upstream of the site. In addition, sediment cores were collected at 43 locations to evaluate constituent concentrations at depth. In all cases, sediment was analyzed for metals, SVOCs, VOCs, and PCBs. In addition, all samples were analyzed for TOC. A subset was analyzed for grain size.

Surface water samples were collected during Phase II from eight locations and analyzed for the following:

- SVOCs
- PCBs
- Total metals
- Dissolved metals
- Total suspended solids (TSS)
- Hardness

In addition, the following field measurements were collected:

- Water temperature
- Hydrogen ion concentration (pH)
- Specific conductance
- Dissolved oxygen
- Turbidity

The results of the Phase II sediment investigation were reported in the Phase II Sediment Investigation Data Report (CH2M HILL 2010).

1.3 Report Organization

This report is divided into five sections, as follows:

- Section 1 is an overview and describes the investigation objectives.
- Section 2 describes the activities performed for the Seneca-Cayuga Canal investigation.
- Section 3 presents the results of sediment sampling and analysis.
- Section 4 provides a summary.
- Section 5 provides the references cited in the report.

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SECTION 2

Investigation Activities

The data from the Phase II Sediment Characterization indicated the potential for impacts to the sediment of the Seneca-Cayuga Canal beyond the Phase II study area; therefore, an additional sediment investigation was performed to assess potential downstream impacts to the Seneca-Cayuga Canal from the site. The following section describes the sampling rationale and field methods used for the investigation.

2.1 Sediment Probing

Sediment probing was conducted as part of the Phase III sediment sampling activities in accordance with the revised *Phase I Sediment Characterization Results/Phase II Work Plan* (CH2M HILL 2009a) and the *Phase III Sediment Characterization Work Plan* (CH2M HILL, 2010). Probing activities were conducted on November 8, 2010 and extended approximately 840 feet downstream of the Phase II study area.

The results of the downstream probing indicated that sediment deposits were predominantly localized along the northern bank in the upstream portion of the Phase III study area and were located across the entire channel width in the central and downstream portions of the Phase III study area. One transect, Transect 41, was extended up Silver Creek, which enters the canal from the south just downstream of the Waterloo WWTP. Sediment was also encountered within the investigated portion of Silver Creek.

In addition to the probing transects completed downstream of the Phase II study area, a single transect was completed across the canal channel in the area of the current active Evans outfall 13. Sediment was also detected in this transect, however, it was generally less than 1 foot in depth and contained a higher fraction of coarse sand and gravel sized particles than the downstream portion of the Phase III study area. Sediment deposits greater than 1 foot in depth were located at isolated portions of the transect outfall transect.

The Phase II and Phase III probing locations that were used to identify sediment present at measurable thicknesses of 1 foot and greater are presented on Figure 2-1.

2.2 Sediment Sampling

The sediment sampling locations for all phases of investigation of AOC A are depicted on Figure 2-1. Sediment sampling locations were biased to areas were deposits of sediment were known to be thickest based on the sediment probing activities.

2.2.1 Surface Sediment

The surface sediment samples (i.e., 0 to 6 inches below the sediment surface) were collected from 18 locations during Phase III activities using a Vibracore® sampler following the procedures outlined in the work plans (CH2M HILL 2009a and 2010) and analyzed for constituents listed in Section 1.2 (Figure 2-1). Sediment samples from the two sampling

locations (SD-60 and SD-62) within Silver Creek were collected using a hand-driven 4-inch sediment core barrel.

2.2.2 Subsurface Sediment

Subsurface sediment cores were collocated with surface cores and were collected using a Vibracore® sampler. Subsurface sediment was identified at 16 of the 18 locations during the Vibracore® sampling. Subsurface sediment was also identified at the two manually collected core locations in Silver Creek. The target intervals for subsurface sediment samples were 6 to 12 inches, and every 1-foot interval thereafter. Sediment cores were collected from the sediment surface to refusal at each location and the length of the sediment cores collected ranged from 6 inches to 82 inches.

Subsurface sediment samples were analyzed for the site TAL/TCL and TOC as presented in Section 2.2.1. Grain size distribution was analyzed at all locations and depth intervals. Table 2-1 presents a summary of the samples collected during the Phase III investigation.

SECTION 3

Investigation Results

Sediment sample results were compared to NYSDEC sediment screening values (NYSDEC 1999), where available (Table 3-1). If NYSDEC sediment screening values were not available, other published screening values were applied.

3.1 Sediment Analytical Results

3.1.1 Surface Sediment Results

Surface sediment analytical results for samples collected during the Phase III investigation are presented in Table 3-2. Comparison of surface results to available screening values is presented in Table 3-4.

Grain Size

Surficial grain size results from the Phase III investigation are presented in Table 3-3. Based on the grain size results, the sediment in the canal bed in the Phase III study area consist of mainly fine-sand- to silt-sized particles with pockets fine sand and silt mixed with fine gravel or coarse sand (locations SD-55, SD-59, SD-60, and SD-63). The sediment near the active Evans outfall 13 (locations SD-68 and SD-70) contained mainly gravel-sized particles.

Metals

The following seven metals were detected above their respective NYSDEC screening values (NYSDEC 1999) in one or more samples collected during the Phase III investigation:

- Aluminum was detected above the screening value in 10 of 20 samples.
- Arsenic was detected above the screening value in 1 of 20 samples.
- Cadmium was detected above the screening value in 6 of 20 samples.
- Copper was detected above the screening value in 10 of 20 samples.
- Lead was detected above the screening value in 5 of 20 samples.
- Mercury was detected above the screening value in 6 of 20 samples.
- Zinc was detected above the screening value in 6 of 20 samples.

The summary statistics for the surface sediment data are presented in Table 3-4. Surface sediment mercury concentrations are also illustrated on Figure 3-1A and other metal constituents most frequently detected above respective screening values are illustrated on Figure 3-2A.

Polychlorinated Biphenyls

NYSDEC (1999) lists two screening values for PCBs, one for the protection of benthic invertebrates and one for the protection of wildlife. Both screening values are for total PCBs. The benthic screening value (organic carbon normalized) is 1,021 micrograms per kilogram (µg/kg), while the wildlife screening value (organic carbon normalized) is 74 µg/kg. As presented in Table 3-4, all detected concentrations were below both the wildlife and benthic screening values.

Given that potential impact to receptors would be from total PCBs rather than from individual Aroclors, the sampling results also were evaluated based on total PCB concentrations within each sample. For this evaluation, total PCBs were calculated by summing the detected Aroclors within each sample. The resulting total PCB concentrations then were compared to the NYSDEC screening value. Total PCB concentrations ranged from 55 to 73.1 µg/kg, all of which were below the benthic and wildlife screening values (Figure 3-3A).

Semivolatile Organic Compounds

The surface sediment samples collected during Phase III contained polycyclic aromatic hydrocarbons (PAHs) and bis(2-ethylhexyl)phthalate above their respective screening values (Table 3-4).

Given that many PAHs are co-located, a measure of total PAHs was used to evaluate the areas with the highest PAH concentrations. The screening value for total PAHs of 4,000 µg/kg was exceeded for 3 of the 20 sample locations (Figure 3-4A). Exceedances of screening values for the 17 individual PAH compounds are summarized below:

- Acenaphthylene was detected above the screening value in 1 of 20 samples.
- Benzo(a)anthracene was detected above the screening value in 2 of 20 samples.
- Benzo(a)pyrene was detected above the screening value in 2 of 20 samples.
- Chrysene was detected above the screening value in 4 of 20 samples.
- Dibenzo(a,h)anthracene was detected above the screening value in 2 of 20 samples.

The sample containing the greatest concentration of benzo(a)pyrene and dibenzo(a,h)anthracene was obtained from location SD-70, which was collected from the outfall 13 transect.

Bis(2-ethylhexyl)phthalate was detected in one sample (SCC-SD-54-0006) at concentration of 38,300 µg/kg, which is above the screening value of 10,554 µg/kg.

Volatile Organic Compounds

Six VOCs were detected in the surface sediment; however, all were below respective screening values, where available (Table 3-4).

3.1.2 Subsurface Sediment Results

Subsurface sediment results are presented in Tables 3-5 through 3-11 and are summarized in the following sections. Comparison of subsurface results to available screening values is presented in Tables 3-12 through 3-17.

Grain Size

The subsurface grain-size results from the Phase III investigation are presented in Table 3-3. They indicate the subsurface sediment consists mainly of fine-sand- and silt-sized particles that generally become finer with depth. Portions of the fine sand and silt deposits identified during the Phase III investigation were mixed coarse sand and/or fine gravel (locations SD-54, SD-55, SD-56, SD-62, SD-63, SD-64, and SD-66).

Metals

As indicated in Section 3.1.1, screening values are available for 13 metals; of these, 9 were encountered in 1 or more subsurface sample at concentrations above the respective screening value for the 6- to 12-inch, 10 for the 12- to 24-inch interval, 7 for the 24- to 36-inch interval, 11 for the 36- to 48-inch interval, 7 for the 48- to 60-inch interval, 4 for the 60- to 72-inch interval, and 2 for the 72- to 82-inch interval.

As with surface sediment, the most frequently exceeded screening values for all depth intervals, except the 60- to 72-inch and 72- to 82-inch intervals, were for aluminum, cadmium, copper, lead, mercury, and zinc. For the 60- to 72-inch interval, exceedances of aluminum, cadmium, copper, and zinc were identified in at least one of the three samples, and for the 72- to-82-inch interval, exceedances of aluminum and manganese were encountered in the one sample collected. In addition, the majority of the exceedances were associated with samples collected within the upstream extent of the Phase III deposit (Figures 3-1B through 3-1F and 3-2B through 3-2F). The following is a summary of detected screening level exceedances for inorganic compounds for all subsurface sediment samples:

- Aluminum was detected above the screening value in 53 of 63 samples.
- Cadmium was detected above the screening value in 27 of 63 samples.
- Copper was detected above the screening value in 31 of 63 samples.
- Lead was detected above the screening value in 12 of 63 samples.
- Manganese was detected above the screening value in 8 of 63 samples.
- Mercury was detected above the screening value in 19 of 63 samples.
- Nickel was detected above the screening value in 8 of 63 samples.
- Silver was detected above the screening value in 2 of 63 samples.
- Zinc was detected above the screening value in 22 of 63 samples.

All inorganic constituents analyzed, except thallium, were detected in at least one sample in the subsurface intervals collected between 6 and 48 inches. For the 48- to 60-inch interval and 60- to 72-inch interval, all inorganics except selenium were detected in one or more samples; whereas all inorganic constituents except antimony, cadmium, selenium, silver, and thallium were detected in the one sample collected from the 72- to-82-inch interval.

Polychlorinated Biphenyls

As presented in Section 3.1.1, total PCBs were evaluated. Total PCBs were detected above the wildlife screening value in 3 of the 62 subsurface samples collected. The highest concentrations of total PCBs were encountered at location SD-64 within the 6- to 12-inch interval at 466 µg/kg. Total PCBs were encountered above the wildlife screening value within the 6- to 12-inch interval at two locations (SD-54 and SD-64), and within the 12- to 24-inch interval at one location (SD-57). Total PCBs were not detected above the benthic screening value. Aroclor 1254 and Aroclor 1260 were the only PCBs detected in the subsurface sediment during the Phase III investigation (Figures 3-3A through 3-3F). Aroclor 1254 was detected above the wildlife screening value in the sample collected from 6- to 12-inch interval and the 12- to 24-inch interval at location SD-57. Aroclor 1260 was detected above the wildlife screening value in the sample collected from the 6- to 12-inch interval from location SD-54. No Aroclors were detected above the benthic screening value.

Semivolatile Organic Compounds

Given that many PAHs are co-located, a measure of total PAHs was used to evaluate the areas with the highest PAH concentrations. The highest total PAH concentrations at depth were primarily within the 6- to 12-inch and 12- to 24-inch intervals. Total PAH concentrations generally decreased at subsequent depths (Figures 3-4B through 3-4F). Only one sample (SSC-SD-65-3648) collected below 36 inches and no samples below 48 inches contained total PAHs above the screening value.

The 17 individual PAHs were detected in one or more samples across all subsurface sediment intervals samples except for the 48- to 60-inch interval (all PAHs except acenaphthene were detected) and the 72- to 82-inch interval (only naphthalene and phenanthrene were detected). However, several locations had concentrations of PAHs above the respective screening value for the 6- to 12-inch, 12-to 24-inch, and 24- to 36-inch intervals. No exceedances of individual PAH constituents were encountered within the sediment below 36 inches. The following is a summary of detected screening level exceedances for PAHs for all subsurface sediment samples:

- Acenaphthylene was detected above the screening value in 1 of 62 samples.
- Benzo(a)anthracene was detected above the screening value in 7 of 62 samples.
- Benzo(a)pyrene was detected above the screening value in 6 of 62 samples.
- Chrysene was detected above the screening value in 12 of 62 samples.
- Dibenzo(a,h)anthracene was detected above the screening value in 7 of 62 samples.
- Fluorene was detected above the screening value in 2 of 62 samples.
- Indeno(1,2,3-cd)pyrene was detected above the screening value in 7 of 62 samples.

Carbazole was also detected in the subsurface sediment (detected only in location SD-52, 12- to 24-inch interval) at a concentration below the screening value and 1,3,5-Trinitrobenzene (detected only in location SD-65, 72- to 82-inch interval). However, no screening value is listed for 1,3,5-Trinitrobenzene.

Volatile Organic Compounds

Several VOCs were detected within subsurface sediment; however, there were no VOC detections above their respective screening values (Tables 3-5 through 3-11).

SECTION 4

Summary

Overall, several constituents were detected in sediment samples collected within the Phase III study area of AOC A. The following is a summary of the results.

Metals

- Phase III surface sediment: Metal concentrations in surface sediment were encountered at concentrations above screening values for several metals. Aluminum, cadmium, copper, lead, mercury, and zinc were the most widely detected metals and most frequently exceeded their respective screening values.
- Phase III subsurface sediment: Metal concentrations followed a similar trend to that of surface sediment metal concentrations in that metals concentrations in samples collected along the north shoreline generally were higher than the south shoreline. Consistent with the surface samples, aluminum, cadmium, copper, lead, mercury, and zinc were the most widely detected metals in subsurface sediment. They generally were detected at greater concentrations within the 6- to 24-inch depth interval and decreased at the deeper intervals and further downgradient.

Polychlorinated Biphenyls

- Phase III surface sediment: The only PCBs detected within AOC A surface sediment were Aroclor-1254 and Aroclor-1260. Total PCB concentrations ranged from 55 to 73.1 µg/kg, all of which were below the benthic and wildlife screening values.
- Phase III subsurface sediment: Concentrations of Aroclor-1254 or Aroclor-1260 above the wildlife screening value were detected in only 3 of the 60 subsurface samples collected. Total PCBs were not detected above the benthic screening value. The highest concentration of total PCBs (466 µg/kg) was encountered at location SD-64 within the 6- to 12-inch interval.

Semivolatile Organic Compounds

Of the detected SVOCs, only bis(2-ethylhexyl)phthalate and PAHs were encountered at concentrations exceeding screening values. The following are the results for SVOCs:

- Phase III surface sediment: Three of 20 locations contained total PAH concentrations above the screening value of 4,000 µg/kg. Bis(2-ethylhexyl)phthalate was detected above the screening value in 1 of 20 surface sediment samples collected (location SD-54).
- Phase III subsurface sediment: Total PAH concentrations were encountered above the screening value at five locations within the 6- to 12-inch, six locations within 12- to 24-inch intervals, two locations within the 24- to 36-inch interval, and one location within the 36- to 48-inch interval. All other intervals did not have total or individual PAH concentrations above their respective screening values.

Volatile Organic Compounds

Of the detected VOCs in surface or subsurface sediment, none were encountered at concentrations above their respective screening values.

SECTION 5

References

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Tables

TABLE 2-1
Sediment Sample Summary - AOC A
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	Depth (inches)	Analysis Group	Metals	VOCs	SVOC	PCB	TOC	Grain Size
		Method	SW-846 3050-SW6010B/ 6020 /7471A	SW-846 5035/8260 B	SW-846 3550B/ 8270C or 827-PAHL Sim	SW-846 3550B/8082 Cleanup – 3665A	Lloyd Kahn	USEPA 160.3/AST M D2216
		Area						
SCC-SD-50	0 - 6	South Shoreline	X	X	X	X	X	X
SCC-SD-50	6 - 12	South Shoreline	X	X	X	X	X	X
SCC-SD-50	12 - 24	South Shoreline	X	X	X	X	X	X
SCC-SD-50	24 - 36	South Shoreline	X	X	X	X	X	X
SCC-SD-50	36 - 48	South Shoreline	X	X	X	X	X	X
SCC-SD-50	48 - 57	South Shoreline	X	X	X	X	X	X
SCC-SD-51	0 - 6	Center Channel	X	X	X	X	X	X
SCC-SD-51	6 - 12	Center Channel	X	X	X	X	X	X
SCC-SD-51	12 - 24	Center Channel	X	X	X	X	X	X
SCC-SD-51	24 - 36	Center Channel	X	X	X	X	X	X
SCC-SD-51	36 - 39	Center Channel	X	X	X	X	X	X
SCC-SD-52	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-52	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-52	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-52	24 - 36	North Shorline	X	X	X	X	X	X
SCC-SD-52	36 - 46	North Shorline	X	X	X	X	X	X
SCC-SD-53	0 - 6	North Shorline	Sample was Co-Located with Sample SCC-SD-67-0006					
SCC-SD-53	6 - 12	North Shorline	Sample was Co-Located with Sample SCC-SD-67-0612					
SCC-SD-53	12 - 24	North Shorline	Sample was Co-Located with Sample SCC-SD-67-1224					
SCC-SD-53	24 - 36	North Shorline	Sample was Co-Located with Sample SCC-SD-67-2436					
SCC-SD-53	36 - 48	North Shorline	Sample was Co-Located with Sample SCC-SD-67-3648					
SCC-SD-53	48 - 57	North Shorline	Sample was Co-Located with Sample SCC-SD-67-4855					
SCC-SD-54	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-54	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-54	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-54	24 - 36	North Shorline	X	X	X	X	X	X
SCC-SD-54	36 - 43	North Shorline	X	X	X	X	X	X
SCC-SD-55	0 - 6	South Shoreline	X	X	X	X	X	X
SCC-SD-55	6 - 12	South Shoreline	X	X	X	X	X	X
SCC-SD-55	12 - 24	South Shoreline	X	X	X	X	X	X
SCC-SD-56	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-56	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-57	0 - 6	Center Channel	X	X	X	X	X	X
SCC-SD-57	6 - 12	Center Channel	X	X	X	X	X	X
SCC-SD-57	12 - 24	Center Channel	X	X	X	X	X	X
SCC-SD-57	24 - 36	Center Channel	X	X	X	X	X	X
SCC-SD-57	36 - 48	Center Channel	X	X	X	X	X	X
SCC-SD-58	0 - 6	Silver Creek	X	X	X	X	X	X
SCC-SD-58	6 - 12	Silver Creek	X	X	X	X	X	X
SCC-SD-58	12 - 24	Silver Creek	X	X	X	X	X	X
SCC-SD-58	24 - 36	Silver Creek	X	X	X	X	X	X
SCC-SD-58	36 - 44	Silver Creek	X	X	X	X	X	X
SCC-SD-59	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-59	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-59	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-59	24 - 36	North Shorline	X	X	X	X	X	X
SCC-SD-59	36 - 48	North Shorline	X	X	X	X	X	X
SCC-SD-59	48 - 58	North Shorline	X	X	X	X	X	X

TABLE 2-1
Sediment Sample Summary - AOC A
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	Depth (inches)	Analysis Group	Metals	VOCs	SVOC	PCB	TOC	Grain Size
		Method	SW-846 3050-SW6010B/ 6020 /7471A	SW-846 5035/8260 B	SW-846 3550B/ 8270C or 827-PAHL Sim	SW-846 3550B/8082 Cleanup – 3665A	Lloyd Kahn	USEPA 160.3/ASTM D2216
		Area						
SCC-SD-60	0 - 6	Silver Creek	X	X	X	X	X	X
SCC-SD-60	6 - 11	Silver Creek	X	X	X	X	X	X
SCC-SD-61	0 - 6	South Shoreline	X	X	X	X	X	X
SCC-SD-62	0 - 6	Silver Creek	X	X	X	X	X	X
SCC-SD-62	6 - 12	Silver Creek	X	X	X	X	X	X
SCC-SD-62	12 - 23	Silver Creek	X	X	X	X	X	X
SCC-SD-63	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-63	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-63	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-63	24 - 28	North Shorline	X	X	X	X	X	X
SCC-SD-64	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-64	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-64	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-65	0 - 6	Center Channel	X	X	X	X	X	X
SCC-SD-65	6 - 12	Center Channel	X	X	X	X	X	X
SCC-SD-65	12 - 24	Center Channel	X	X	X	X	X	X
SCC-SD-65	24 - 36	Center Channel	X	X	X	X	X	X
SCC-SD-65	36 - 48	Center Channel	X	X	X	X	X	X
SCC-SD-65	48 - 60	Center Channel	X	X	X	X	X	X
SCC-SD-65	60 - 72	Center Channel	X	X	X	X	X	X
SCC-SD-65	72 - 82	Center Channel	X	X	X	X	X	X
SCC-SD-66	0 - 6	South Shoreline	X	X	X	X	X	X
SCC-SD-66	6 - 12	South Shoreline	X	X	X	X	X	X
SCC-SD-66	12 - 24	South Shoreline	X	X	X	X	X	X
SCC-SD-66	24 - 36	South Shoreline	X	X	X	X	X	X
SCC-SD-66	36 - 48	South Shoreline	X	X	X	X	X	X
SCC-SD-66	48 - 60	South Shoreline	X	X	X	X	X	X
SCC-SD-66	60 - 72	South Shoreline	X	X	X	X	X	X
SCC-SD-67	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-67	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-67	12 - 24	North Shorline	X	X	X	X	X	X
SCC-SD-67	24 - 36	North Shorline	X	X	X	X	X	X
SCC-SD-67	36 - 48	North Shorline	X	X	X	X	X	X
SCC-SD-67	48 - 55	North Shorline	X	X	X	X	X	X
SCC-SD-68	0 - 6	North Shorline	X	X	X	X	X	X
SCC-SD-68	6 - 12	North Shorline	X	X	X	X	X	X
SCC-SD-68	12 - 20	North Shorline	X	X	X	X	X	X
SCC-SD-69	0 - 6	South Shoreline	X	X	X	X	X	X
SCC-SD-69	6 - 9	South Shoreline	X	X	X	X	X	X
SCC-SD-70	0 - 6	North Shorline	X	X	X	X	X	X

TABLE 3-1
Sediment Screening Values for Detcted Constituents
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Constituent	Screening Value	Units	Reference	Site Specific Sediment Criteria Calculation[1,2]			
				Site Specific Sediment Criteria (SC) in ug Constituent/kg sediment	= Organic Carbon Normalized Sediment Criteria (SCOC) in ug/gOC	X Fraction of Organic Carbon (f_{OC}) in gOC/kg	
Sediment							
Aluminum	2,000	mg/kg	Long et al. 1990				
Antimony	2.0	mg/kg	NYSDEC 1999				
Arsenic	6.00	mg/kg	NYSDEC 1999				
Barium	--	mg/kg	NSV				
Beryllium	--	mg/kg	NSV				
Cadmium	0.60	mg/kg	NYSDEC 1999				
Chromium	26	mg/kg	NYSDEC 1999				
Cobalt	--	mg/kg	NSV				
Copper	16.0	mg/kg	NYSDEC 1999				
Iron	20,000	mg/kg	NYSDEC 1999				
Lead	31.0	mg/kg	NYSDEC 1999				
Manganese	460	mg/kg	NYSDEC 1999				
Mercury	0.15	mg/kg	NYSDEC 1999				
Nickel	16.0	mg/kg	NYSDEC 1999				
Selenium	--	mg/kg	NSV				
Silver	1.00	mg/kg	NYSDEC 1999				
Thallium	--	mg/kg	NSV				
Vanadium	--	mg/kg	NSV				
Zinc	120	mg/kg	NYSDEC 1999				
Aroclor-1254	1,021	ug/kg	NYSDEC 1999	1021	19.3	52.9	
	74	ug/kg	NYSDEC 1999	74.1	1.4	52.9	
Aroclor-1260	1,021	ug/kg	NYSDEC 1999 (benthic)	1,021	19.30	52.9	
	74	ug/kg	NYSDEC 1999 (wildlife)	74.1	1.4	52.9	
1,4-Dichlorobenzene	635	ug/kg	NYSDEC 1999	635	12	52.9	
2-Methylnaphthalene	1,799	ug/kg	NYSDEC 1999	1,799	34	52.9	
3- and 4-Methylphenol	670	ug/kg	USEPA 2006				
4-Methylphenol	670	ug/kg	USEPA 2006				
Acenaphthene	7,406	ug/kg	NYSDEC 1999	7,406	140	52.9	
Acenaphthylene	44.0	ug/kg	Long et al. 1995				
Anthracene	5,660	ug/kg	NYSDEC 1999	5,660	107	52.9	
Benzo(a)anthracene	635	ug/kg	NYSDEC 1999	635	12	52.9	
Benzo(a)pyrene	430	ug/kg	Long et al. 1995				
Benzo(b)fluoranthene	1,800	ug/kg	Buchman 1999				
Benzo(g,h,i)perylene	170	ug/kg	MOE 1993				
Benzo(k)fluoranthene	240	ug/kg	MOE 1993				
bis(2-Ethylhexyl)phthalate	10,554	ug/kg	NYSDEC 1999	10,554	199.5	52.9	
Butylbenzylphthalate	58,190	ug/kg	USEPA 1996b	58,190	1100	52.9	
Carbazole	1,800	ug/kg	Cubbage et al. 1997				
Chrysene	384	ug/kg	Long et al. 1995				
Dibenz(a,h)anthracene	63.4	ug/kg	Long et al. 1995				
Dibenzofuran	10,580	ug/kg	USEPA 1996b	10,580	200	52.9	
Di-n-butylphthalate	58,190	ug/kg	USEPA 1996b	58,190	1100	52.9	
Fluoranthene	53,958	ug/kg	NYSDEC 1999	53,958	1020	52.9	
Fluorene	423	ug/kg	NYSDEC 1999	423	8.0	52.9	
Indeno(1,2,3-cd)pyrene	200	ug/kg	MOE 1993				
Naphthalene	1,587	ug/kg	NYSDEC 1999	1,587	30	52.9	
PAH (total)	4,000	ug/kg	Long et al. 1990				
Pentachlorophenol	2,116	ug/kg	NYSDEC 1999	2,116	40	52.9	
Phenanthrene	6,348	ug/kg	NYSDEC 1999	6,348	120	52.9	
Pyrene	50,837	ug/kg	NYSDEC 1999	50,837	961	52.9	
2-Butanone	1,428	ug/kg	Jones et al. 1997	1428	27.00	52.9	
Acetone	46	ug/kg	Jones et al. 1997	46	0.87	52.9	

TABLE 3-1
Sediment Screening Values for Detcted Constituents
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Constituent	Screening Value	Units	Reference	Site Specific Sediment Criteria Calculation[1,2]			
				Site Specific Sediment Criteria (SC) in ug Constituent/kg sediment	= Organic Carbon Normalized Sediment Criteria (SCOC) in ug/gOC	X Fraction of Organic Carbon (f_{OC}) in gOC/kg	
Benzene	1,481	ug/kg	NYSDEC 1999	1,481	28	52.9	
Carbon disulfide	4.5	ug/kg	Jones et al. 1997	4.5	0.085	52.9	
Chlorobenzene	185.2	ug/kg	NYSDEC 1999	185.2	3.5	52.9	
Ethylbenzene	1,270	ug/kg	NYSDEC 1999	1,270	24	52.9	
Toluene	2,592	ug/kg	NYSDEC 1999	2,592	49	52.9	
Xylene, total	4,867	ug/kg	NYSDEC 1999	4,867	92.00	52.9	

1 -Site Specific Sediment Criteria Calcualted per NYDEC 1999 as follows: $SC = SC_{OC} * f_{OC}$
Where:
SC = Site Specific Sediment Criteria (in ug of constituent/Kg sediment)
SC_{OC} = Organic Carbon Normalized Sediment Criterion (ug/gOC)
f_{OC} = Fraction of Organic Carbon (gOC/Kg)

2 - TOC-adjusted screening values shown at a TOC of 5.29% or 0.0529 OC/kg sediment, the mean TOC for site adjacent surface sediment samples.
Fraction of Organic Carbon for equation above calculated as follows:
f_{OC} = decimal percent OC/kg Sediment x 1000g/kg
f_{OC} = 0.0529 OC/Kg sediment x 1000g/kg
f_{OC} = 52.9gOC/kg

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-0006 11/9/2010	SCC-SD-51 SSC-SD-51-0006 11/9/2010	SCC-SD-52 SSC-SD-52-0006 11/9/2010	SCC-SD-54 SSC-SD-54-0006 11/9/2010	SCC-SD-55 SCC-SD-55-0006 11/10/2010	SCC-SD-56 SCC-SD-56-0006 11/10/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**1880**	**5770**	**2580**	**5050**	**3030**	**3680**
Antimony	0.443 U	0.754 U	0.511 U	0.655 U	0.51 U	0.651 U
Arsenic	**2.07**	**2.06 J**	**1.96**	**4.06**	**1.16 J**	**2.08 J**
Barium	**7.76**	**48.3**	**24.3**	**42**	**30.4**	**38.4**
Beryllium	**0.0643 J**	**0.275 J**	**0.153 J**	**0.277 J**	**0.216 J**	**0.2 J**
Cadmium	0.294 U	0.483 U	0.325 U	**1.21**	0.367 U	**1.97**
Calcium	**33400**	**15200**	**16000**	**22800**	**23100**	**20300**
Chromium	**3.04**	**8.47**	**4.68**	**21.3**	**4.64**	**10.9**
Cobalt	**1.95**	**4.15**	**3.04**	**4.26**	**3.96**	**3.8**
Copper	**4.09**	**16.5**	**24.5**	**47.8**	**9.03**	**21.3**
Iron	**6500**	**9790**	**7210**	**11000**	**7910**	**8100**
Lead	**3.13**	**11.6**	**120**	**73.1**	**4.18**	**30.3**
Magnesium	**11600**	**5790**	**4720**	**5810**	**8900**	**6520**
Manganese	**202**	**138**	**96.4**	**130**	**138**	**121**
Mercury	**0.0681 J**	**0.0458 J**	**0.0447 J**	**0.3**	**0.0387 J**	**0.162 J**
Nickel	**4.11**	**10.7**	**5.97**	**11.3**	**7.65**	**8.84**
Potassium	**411**	**1010**	**404**	**930**	**346**	**542**
Selenium	0.587 U	0.966 U	0.651 U	**1.32 J**	0.734 U	0.915 U
Silver	**0.312 J**	0.377 U	0.255 U	**0.524 J**	0.255 U	0.325 U
Sodium	**73.1**	**215**	**155**	**290**	**137**	**153**
Thallium	0.887 U	1.51 U	1.02 U	1.31 U	1.02 U	1.3 U
Vanadium	**7**	**12**	**8.04**	**17.9**	**7.76**	**8.75**
Zinc	**25.2**	**49.7**	**56.3**	**282**	**53.1**	**154**
Pesticide/Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1221	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1232	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1242	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1248	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1254	19.8 U	30.2 U	23.5 U	28.4 U	13.5 U	18 U
Aroclor-1260	19.8 U	30.2 U	23.5 U	**44.7 J**	13.5 U	18 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dichlorobenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,3,5-Trinitrobenzene	105 U	955 U	126 U	859 U	594 U	900 U
1,3-Dichlorobenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,4-Dichlorobenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
2,4,5-Trichlorophenol	105 U	955 U	126 U	859 U	594 U	900 U
2,4,6-Trichlorophenol	105 U	955 U	126 U	859 U	594 U	900 U
2,4-Dichlorophenol	105 U	955 U	126 U	859 U	594 U	900 U
2,4-Dimethylphenol	105 U	955 U	126 U	859 U	594 U	900 U
2,4-Dinitrophenol	59.4 UJ	216 UJ	745 U	473 UJ	427 U	530 U
2,4-Dinitrotoluene	105 U	955 U	126 U	859 U	594 U	900 U
2,6-Dinitrotoluene	**105 R**	**955 R**	126 U	**859 R**	594 UJ	900 U
2-Chloronaphthalene	105 U	955 U	126 U	859 U	594 UJ	900 U
2-Chlorophenol	105 U	955 U	126 U	859 U	594 UJ	900 U
2-Methylnaphthalene	3.59 U	**955 R**	**4.96**	**859 R**	**2.32 J**	**3.75 J**
2-Methylphenol	105 U	955 U	126 U	859 U	594 U	900 U
2-Nitroaniline	59.4 U	216 U	745 U	473 UJ	427 UJ	530 U
2-Nitrophenol	105 U	955 U	126 U	859 U	594 U	900 U
3,3'-Dichlorobenzidine	211 UJ	1910 UJ	253 UJ	1720 UJ	1190 U	1800 UJ
3-,4-Methylphenol	105 U	955 U	126 U	859 U	594 U	900 U
3-Nitroaniline	59.4 U	216 U	745 U	473 UJ	427 UJ	530 U
4-Bromophenyl phenyl ether	105 U	955 U	126 U	859 U	594 U	900 U
4-Chloroaniline	105 UJ	955 UJ	126 UJ	859 UJ	594 UJ	900 UJ
4-Nitrophenol	59.4 UJ	216 UJ	745 U	473 UJ	427 U	530 U
Acenaphthene	3.59 U	955 U	4.05 U	859 U	2.19 U	**8.36**
Acenaphthylene	3.59 U	955 U	**8.35**	859 U	2.19 U	**8.7**
Anthracene	3.59 U	955 U	**15.1**	**87.4 J**	**11.8**	**48.7**
Benzo(a)anthracene	3.59 U	955 U	**55.1**	**1130 J**	**37.1**	**175**
Benzo(a)pyrene	3.59 U	955 U	**50**	859 U	**34**	**80.4**
Benzo(b)fluoranthene	3.59 U	955 U	**71.3**	**296 J**	**31.8**	**75.2**
Benzo(g,h,i)perylene	3.59 U	955 U	**37**	**181 J**	**24.5**	**39.9**
Benzo(k)fluoranthene	3.59 U	955 U	**59.9**	**266 J**	**30.3**	**81.1**
Benzoic Acid	421 U	3820 U	505 UJ	3440 U	2380 UJ	3600 U
Benzyl Alcohol	105 U	955 U	126 U	859 U	594 U	900 U
Biphenyl (diphenyl)	105 U	955 U	126 U	859 U	594 U	900 U
Bis (2-chloroethoxy) methane	**105 R**	**955 R**	126 U	**859 R**	594 UJ	900 U
Bis (2-chloroethyl) ether	105 U	955 U	126 U	859 U	594 U	900 U
Bis (2-ethylhexyl) phthalate	105 U	955 U	126 U	**38300**	594 U	900 U
Butyl benzylphthalate	105 U	955 U	126 U	859 U	594 U	900 U
Carbazole	105 U	955 U	126 U	859 U	594 U	900 U
Chrysene	3.59 U	955 U	**85.5**	**1220 J**	**611 J**	**160**
Di-n-butylphthalate	105 U	955 U	126 U	859 U	594 U	900 U
Di-n-octylphthalate	105 U	955 U	126 U	859 U	594 U	900 U
Dibenzo (a,h) anthracene	3.59 U	955 U	**9.99**	859 U	**5.77**	**12.8**
Dibenzofuran	105 U	955 U	126 U	859 U	594 U	900 U
Diethyl phthalate	105 U	955 U	126 U	859 U	594 U	900 U
Dimethyl phthalate	105 U	955 U	126 U	859 U	594 U	900 U
Fluoranthene	3.59 U	955 U	**281**	**561 J**	**630 J**	**314**
Fluorene	3.59 U	955 U	**5.86**	859 U	**5.27**	**13.2**
Hexachlorobenzene	105 U	955 U	126 U	859 U	594 U	900 U
Hexachlorobutadiene	105 U	955 U	126 U	859 U	594 U	900 U
Hexachlorocyclopentadiene	105 U	955 UJ	126 U	859 UJ	594 UJ	900 UJ
Hexachloroethane	105 U	955 U	126 U	859 U	594 U	900 U
Indeno (1,2,3-c,d) pyrene	3.59 U	955 U	**33.5**	859 U	**20.9**	**40**
Isophorone	105 U	955 U	126 U	859 U	594 U	900 U
n-Nitrosodiphenylamine	**105 R**	**955 R**	126 U	**859 R**	594 UJ	900 U
Naphthalene	3.59 U	955 U	**4.85**	859 U	3.81 U	**6.34**
Nitrobenzene	105 U	955 U	126 U	859 U	594 U	900 U
Pentachlorophenol	59.4 UJ	216 UJ	745 U	473 UJ	427 U	530 U
Phenanthrene	3.59 U	955 U	**51.6**	**325 J**	**47.6**	**136**
Phenol	105 U	955 U	126 U	859 U	594 U	900 U
Pyrene	3.59 U	955 U	**214 J**	**430 J**	**1050 J**	**275**

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-57 SCC-SD-57-0006 11/10/2010	SCC-SD-58 SCC-SD-58-0006 11/10/2010	SCC-SD-59 SCC-SD-59-0006 11/10/2010	SCC-SD-60 SCC-SD-60-0006 11/11/2010	SCC-SD-61 SCC-SD-61-0006 11/11/2010	SCC-SD-62 SCC-SD-62-0006 11/11/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**2260**	**4790**	**1950**	**5450**	**4140**	**4260**
Antimony	0.484 U	0.778 U	0.396 U	0.693 U	0.637 U	0.59 U
Arsenic	**1.79 J**	**2.45 J**	**2.78**	**16.3**	**3.24**	**2.39 J**
Barium	**21.9**	**51.6**	**22.5**	**54.2**	**28.9**	**47.1**
Beryllium	**0.126 J**	**0.29 J**	**0.107 J**	**0.305 J**	**0.236 J**	**0.247 J**
Cadmium	0.327 U	0.502 U	**2.95**	0.451 U	**0.499 J**	0.4 U
Calcium	**18900**	**14800**	**54100**	**67300**	**39200**	**20200**
Chromium	**3.82**	**7.25**	**5.53**	**7.93**	**7.69**	**6.21**
Cobalt	**2.99**	**4.25**	**2.51**	**5.88**	**5.49**	**4.21**
Copper	**8.06**	**18.2**	**30.2**	**15.7**	**12.7**	**12.2**
Iron	**5720**	**10200**	**8540**	**13400**	**12100**	**9350**
Lead	**22.6**	**11.1**	**40.3**	**6.68**	**12.1**	**7.8**
Magnesium	**5610**	**4710**	**7860**	**13000**	**15900**	**6130**
Manganese	**91.4**	**170**	**164**	**307**	**219**	**153**
Mercury	**0.0323 J**	**0.0433 J**	**0.204**	**0.0504 J**	**0.089 J**	**0.0337 J**
Nickel	**5.47**	**11.4**	**6.97**	**13.8**	**10.5**	**10.2**
Potassium	**302**	**659**	**230**	**834**	**554**	**514**
Selenium	0.654 U	1 U	0.54 U	0.902 U	0.835 U	0.799 U
Silver	0.242 U	0.389 U	**0.279 J**	0.347 U	0.318 U	0.295 U
Sodium	**146**	**248**	**172**	**362**	**222**	**138**
Thallium	0.967 U	1.56 U	0.791 U	1.39 U	1.27 U	1.18 U
Vanadium	**5.62**	**9.72**	**8.65**	**12.7**	**12**	**9.03**
Zinc	**26.8**	**51.3**	**167**	**84**	**71.5**	**42.1**
Pesticide/Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Aroclor-1221	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Aroclor-1232	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Aroclor-1242	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Aroclor-1248	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Aroclor-1254	11.5 U	19.8 U	**33.8 J**	17.8 U	16 U	14.5 U
Aroclor-1260	11.5 U	19.8 U	11.6 U	17.8 U	16 U	14.5 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
1,2-Dichlorobenzene	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
1,3,5-Trinitrobenzene	578 UJ	979 U	1080 U	843 U	811 U	622 U
1,3-Dichlorobenzene	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
1,4-Dichlorobenzene	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
2,4,5-Trichlorophenol	578 U	979 U	1080 U	843 U	811 U	622 U
2,4,6-Trichlorophenol	578 U	979 U	1080 U	843 U	811 U	622 U
2,4-Dichlorophenol	578 U	979 U	1080 U	843 U	811 U	622 U
2,4-Dimethylphenol	578 U	979 U	1080 U	843 U	811 U	622 U
2,4-Dinitrophenol	378 U	594 UJ	1370 UJ	509 U	471 U	475 U
2,4-Dinitrotoluene	578 UJ	979 U	1080 U	843 U	811 U	622 U
2,6-Dinitrotoluene	578 UJ	979 U	1080 U	843 UJ	811 UJ	622 UJ
2-Chloronaphthalene	578 UJ	979 U	1080 U	843 UJ	811 UJ	622 UJ
2-Chlorophenol	578 U	979 U	1080 U	843 UJ	811 UJ	622 UJ
2-Methylnaphthalene	2 U	2.97 U	16.2 U	2.39 U	**11.8**	2.31 U
2-Methylphenol	578 U	979 U	1080 U	843 U	811 U	622 U
2-Nitroaniline	378 U	594 U	1370 U	509 U	471 U	475 UJ
2-Nitrophenol	578 U	979 U	1080 U	843 U	811 U	622 U
3,3'-Dichlorobenzidine	1160 UJ	1960 UJ	2160 UJ	1690 U	1620 U	1240 U
3-,4-Methylphenol	578 U	979 U	1080 U	843 U	811 U	622 U
3-Nitroaniline	378 U	594 U	1370 U	509 U	471 U	475 UJ
4-Bromophenyl phenyl ether	578 UJ	979 U	1080 U	843 U	811 U	622 U
4-Chloroaniline	578 UJ	979 UJ	1080 UJ	843 UJ	811 UJ	622 UJ
4-Nitrophenol	378 U	594 U	1370 U	509 U	471 U	475 U
Acenaphthene	**2.63 J**	2.97 U	**27 J**	**9.94 J**	2.45 U	2.31 U
Acenaphthylene	**4.57**	**14.8**	**60.9**	2.39 U	2.45 U	**4.5 J**
Anthracene	**10.3**	**15.1**	**154**	**4.4 J**	**6.18**	**5.99**
Benzo(a)anthracene	**47**	**45.4**	**532**	**12.7 J**	**14.6**	**14.5**
Benzo(a)pyrene	**43**	**46.2**	**440**	**11.8 J**	**13**	**15.1**
Benzo(b)fluoranthene	**45.2**	**58.4**	**425**	**20.6 J**	**18.5**	**18.2**
Benzo(g,h,i)perylene	**30.4**	**31.7**	**190**	**7.83 J**	**11.4**	**10.9**
Benzo(k)fluoranthene	**46.7**	**45.5**	**439**	**17 J**	**13.2**	**15.5**
Benzoic Acid	2310 UJ	3920 U	4310 U	3370 UJ	3250 UJ	2490 UJ
Benzyl Alcohol	578 UJ	979 U	1080 U	843 U	811 U	622 U
Biphenyl (diphenyl)	578 U	979 U	1080 U	843 U	811 U	622 U
Bis (2-chloroethoxy) methane	578 UJ	979 U	1080 U	843 UJ	811 UJ	622 UJ
Bis (2-chloroethyl) ether	578 UJ	979 U	1080 U	843 U	811 U	622 U
Bis (2-ethylhexyl) phthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Butyl benzylphthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Carbazole	578 UJ	979 U	1080 U	843 U	811 U	622 U
Chrysene	**49.1**	**57.7**	**509**	**25.6 J**	**23**	**22**
Di-n-butylphthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Di-n-octylphthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Dibenzo (a,h) anthracene	**8.38**	**8.66**	**64.1**	2.39 U	**2.99 J**	**4.55 J**
Dibenzofuran	578 UJ	979 U	1080 U	843 U	811 U	622 U
Diethyl phthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Dimethyl phthalate	578 UJ	979 U	1080 U	843 U	811 U	622 U
Fluoranthene	**96.2**	**96.3**	**1100**	**65.2 J**	**51.9**	**28.6**
Fluorene	**4.4**	**4.16 J**	**40.8**	**3.58 J**	**4.11 J**	2.31 U
Hexachlorobenzene	578 UJ	979 U	1080 U	843 U	811 U	622 U
Hexachlorobutadiene	578 UJ	979 U	1080 U	843 U	811 U	622 U
Hexachlorocyclopentadiene	578 UJ	979 UJ	1080 UJ	843 UJ	811 UJ	622 UJ
Hexachloroethane	578 UJ	979 U	1080 U	843 U	811 U	622 U
Indeno (1,2,3-c,d) pyrene	**26.3**	**28.8**	**191**	**7.36 J**	**9.85**	**9.55**
Isophorone	578 UJ	979 U	1080 U	843 U	811 U	622 U
n-Nitrosodiphenylamine	578 UJ	979 U	1080 U	843 UJ	811 UJ	622 UJ
Naphthalene	**3.59 J**	**3.1 J**	16.2 U	3.24 U	7.87 U	2.31 U
Nitrobenzene	578 UJ	979 U	1080 U	843 U	811 U	622 U
Pentachlorophenol	378 U	594 U	1370 U	509 U	471 U	475 U
Phenanthrene	**37.2**	**36**	**445**	**11.1 J**	**28.5**	**9.69**
Phenol	578 U	979 U	1080 U	843 U	811 U	622 U
Pyrene	**78.6**	**99.7**	**911**	**52.1 J**	**38.4**	**26.8**

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-63 SCC-SD-63-0006 11/11/2010	SCC-SD-64 SCC-SD-64-0006 11/11/2010	SCC-SD-65 SCC-SD-65-0006 11/11/2010	SCC-SD-66 SCC-SD-66-0006 11/11/2010	SCC-SD-67 SCC-SD-67-0006 11/12/2010	SCC-SD-68 SCC-SD-68-0006 11/12/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**2570**	**4460 J**	**3380**	**2650**	**2700**	**1440**
Antimony	0.532 U	0.641 U	0.546 U	0.535 U	**0.758 J**	**0.74 J**
Arsenic	**3.41**	**2.48 J**	**2.1 J**	**2.23**	**1.44 J**	**2.33**
Barium	**24.4**	**45.3**	**35.3**	**27.5**	**49.7**	**13.8**
Beryllium	**0.144 J**	**0.231 J**	**0.196 J**	**0.144 J**	**0.138 J**	**0.0853 J**
Cadmium	**1.28**	0.471 U	**0.636 J**	0.371 U	**0.788**	0.317 U
Calcium	**24000**	**20600**	**17000**	**18100**	**15800**	**33400**
Chromium	**8.67**	**9.59**	**7.01**	**4.91**	**8.22**	**3.48**
Cobalt	**3.03**	**4.56**	**3.82**	**3.12**	**3.82**	**2.29**
Copper	**72.2**	**22**	**18.3**	**11.5**	**15.5**	**15.4**
Iron	**9360**	**10900**	**8150**	**7020**	**7330**	**5750**
Lead	**51.1**	**26**	**18.7**	**14.6**	**12.3**	**13.9**
Magnesium	**7200**	**5580**	**5050**	**5150**	**4690**	**7880**
Manganese	**122**	**156**	**118**	**115**	**107**	**101**
Mercury	**0.475**	**0.166 J**	**0.147 J**	**0.0779 J**	**0.117 J**	**0.0938 J**
Nickel	**9.04**	**11.4**	**8.54**	**6.95**	**7.43**	**5.56**
Potassium	**311**	**714**	**421**	**343**	**375**	**213**
Selenium	0.694 U	0.942 U	0.725 U	0.743 U	0.725 U	0.635 U
Silver	0.266 U	**0.371 J**	0.273 U	0.267 U	0.249 U	0.257 U
Sodium	**236**	**327**	**177**	**150**	**147**	**208**
Thallium	1.06 U	1.28 U	1.09 U	1.07 U	0.995 U	1.03 U
Vanadium	**14**	**9.88**	**8.05**	**6.5**	**6.54**	**4.52**
Zinc	**434**	**105**	**262**	**39.2**	**127**	**36.1**
Pesticide/Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1221	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1232	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1242	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1248	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1254	13.5 U	19.7 U	14.6 U	NA	12 U	13.1 U
Aroclor-1260	**33.4**	**36 J**	14.6 U	NA	12 U	13.1 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dichlorobenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,3,5-Trinitrobenzene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
1,3-Dichlorobenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,4-Dichlorobenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
2,4,5-Trichlorophenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2,4,6-Trichlorophenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2,4-Dichlorophenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2,4-Dimethylphenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2,4-Dinitrophenol	396 U	567 UJ	430 U	429 U	427 UJ	351 UJ
2,4-Dinitrotoluene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2,6-Dinitrotoluene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2-Chloronaphthalene	716 UJ	971 U	767 UJ	706 UJ	666 U	556 U
2-Chlorophenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2-Methylnaphthalene	**6.34**	971 U	2.17 UJ	2.11 U	2.14 U	**9.1**
2-Methylphenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
2-Nitroaniline	396 U	567 UJ	430 U	429 U	427 U	351 U
2-Nitrophenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
3,3'-Dichlorobenzidine	1430 UJ	1940 U	1530 UJ	1410 U	1330 U	1110 U
3-,4-Methylphenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
3-Nitroaniline	396 U	567 UJ	430 U	429 U	427 U	351 U
4-Bromophenyl phenyl ether	716 UJ	971 U	767 UJ	706 U	666 U	556 U
4-Chloroaniline	716 UJ	971 UJ	767 UJ	706 U	666 UJ	556 UJ
4-Nitrophenol	396 U	567 UJ	430 U	429 U	427 U	351 U
Acenaphthene	**18.1**	**4.92 J**	2.17 UJ	2.11 U	2.14 U	**6.69**
Acenaphthylene	**28.7**	**4.62 J**	**7.01 J**	**5.83**	**7.93**	**12.4**
Anthracene	**100**	**26.6 J**	**12.1 J**	**10.9**	**19.9**	**34.3**
Benzo(a)anthracene	**335**	**107 J**	**67.6 J**	**48.7**	**115**	**133**
Benzo(a)pyrene	**285**	**99.2 J**	**68.4 J**	**44.4**	**90.8**	**118**
Benzo(b)fluoranthene	**283**	**104 J**	**72 J**	**62.4**	**90.9**	**132**
Benzo(g,h,i)perylene	**150**	**69.8 J**	**45.4 J**	**31.6**	**51**	**117**
Benzo(k)fluoranthene	**246**	**80.1 J**	**67 J**	**52.8**	**96.9**	**105**
Benzoic Acid	2870 UJ	3880 U	3070 UJ	2820 UJ	2660 U	2220 U
Benzyl Alcohol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Biphenyl (diphenyl)	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Bis (2-chloroethoxy) methane	716 UJ	971 U	767 UJ	706 UJ	666 U	556 U
Bis (2-chloroethyl) ether	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Bis (2-ethylhexyl) phthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Butyl benzylphthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Carbazole	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Chrysene	**308**	**107 J**	**71.6 J**	**90.2**	**111**	**135**
Di-n-butylphthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Di-n-octylphthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Dibenzo (a,h) anthracene	**46.4**	**18.4 J**	**11.3 J**	**7.52**	**15.3**	**24.1**
Dibenzofuran	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Diethyl phthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Dimethyl phthalate	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Fluoranthene	**574**	**252 J**	**129 J**	**104**	**230**	**296**
Fluorene	**29**	**6.83 J**	**3.59 J**	**3.71 J**	**5.02**	**13.1**
Hexachlorobenzene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Hexachlorobutadiene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Hexachlorocyclopentadiene	716 UJ	971 U	767 UJ	706 UJ	666 U	556 U
Hexachloroethane	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Indeno (1,2,3-c,d) pyrene	**146**	**59.1 J**	**41.2 J**	**28.7**	**49.2**	**83.1**
Isophorone	716 UJ	971 U	767 UJ	706 U	666 U	556 U
n-Nitrosodiphenylamine	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Naphthalene	10.1 U	**5.48 J**	**4.33 J**	**2.31 J**	**3.11 J**	**15.6**
Nitrobenzene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Pentachlorophenol	396 U	567 UJ	430 U	429 U	427 U	351 U
Phenanthrene	**369**	**119 J**	**39.1 J**	**29.4**	**71.6**	**166**
Phenol	716 UJ	971 U	767 UJ	706 U	666 U	556 U
Pyrene	**521**	**224 J**	**121 J**	**94.6**	**188**	**262**

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-69 SCC-SD-69-0006 11/12/2010	SCC-SD-70 SCC-SD-70-0006 11/12/2010
Chemical Name		
Inorganics (MG/KG)		
Aluminum	**1680**	**1210**
Antimony	0.406 U	**0.635 J**
Arsenic	**2.31**	**4**
Barium	**10.9**	**111**
Beryllium	**0.101 J**	**0.0696 J**
Cadmium	0.242 U	**0.498 J**
Calcium	**76600**	**60900**
Chromium	**3.41**	**7.63**
Cobalt	**3.08**	**1.69**
Copper	**8.58**	**38.2**
Iron	**5290**	**7840**
Lead	**6.68**	**70**
Magnesium	**23200**	**9250**
Manganese	**213**	**177**
Mercury	**0.0166 J**	**0.226**
Nickel	**4.88**	**7.17**
Potassium	**420**	**468**
Selenium	0.484 U	0.514 U
Silver	0.203 U	**0.3 J**
Sodium	**108**	**677**
Thallium	0.811 U	0.8 U
Vanadium	**4.21**	**12.9**
Zinc	**15.5**	**85.8**
Pesticide/Polychlorinated Biphenyls (UG/KG)		
Aroclor-1016	9.52 U	9.6 U
Aroclor-1221	9.52 U	9.6 U
Aroclor-1232	9.52 U	9.6 U
Aroclor-1242	9.52 U	9.6 U
Aroclor-1248	9.52 U	9.6 U
Aroclor-1254	9.52 U	9.6 U
Aroclor-1260	9.52 U	**54.3**
Semivolatile Organic Compounds (UG/KG)		
1,2,4-Trichlorobenzene	0.495 U	0.542 U
1,2-Dichlorobenzene	0.495 U	0.542 U
1,3,5-Trinitrobenzene	470 U	1030 U
1,3-Dichlorobenzene	0.495 U	0.542 U
1,4-Dichlorobenzene	0.495 U	0.542 U
2,4,5-Trichlorophenol	470 U	1030 U
2,4,6-Trichlorophenol	470 U	1030 U
2,4-Dichlorophenol	470 U	1030 U
2,4-Dimethylphenol	470 U	1030 U
2,4-Dinitrophenol	279 UJ	1250 UJ
2,4-Dinitrotoluene	470 U	1030 U
2,6-Dinitrotoluene	470 U	1030 U
2-Chloronaphthalene	470 U	1030 U
2-Chlorophenol	470 U	1030 U
2-Methylnaphthalene	**28.5**	**70.2**
2-Methylphenol	470 U	1030 U
2-Nitroaniline	279 U	1250 U
2-Nitrophenol	470 U	1030 U
3,3'-Dichlorobenzidine	941 U	2060 U
3-,4-Methylphenol	470 U	1030 U
3-Nitroaniline	279 U	1250 U
4-Bromophenyl phenyl ether	470 U	1030 U
4-Chloroaniline	470 UJ	1030 UJ
4-Nitrophenol	279 U	1250 U
Acenaphthene	**4.02**	**99.9**
Acenaphthylene	**1.65 J**	**32.5 J**
Anthracene	**4.82**	**425**
Benzo(a)anthracene	**6.77**	**772**
Benzo(a)pyrene	**4.68**	**634**
Benzo(b)fluoranthene	**10.3**	**604**
Benzo(g,h,i)perylene	**3.47**	**363**
Benzo(k)fluoranthene	**8.1**	**578**
Benzoic Acid	1880 U	4120 U
Benzyl Alcohol	470 U	1030 U
Biphenyl (diphenyl)	470 U	1030 U
Bis (2-chloroethoxy) methane	470 U	1030 U
Bis (2-chloroethyl) ether	470 U	1030 U
Bis (2-ethylhexyl) phthalate	470 U	1030 U
Butyl benzylphthalate	470 U	1030 U
Carbazole	470 U	1030 U
Chrysene	**12.7**	**746**
Di-n-butylphthalate	470 U	1030 U
Di-n-octylphthalate	470 U	1030 U
Dibenzo (a,h) anthracene	1.34 U	**103**
Dibenzofuran	470 U	1030 U
Diethyl phthalate	470 U	1030 U
Dimethyl phthalate	470 U	1030 U
Fluoranthene	**38.3**	**2070**
Fluorene	**4.03**	**121**
Hexachlorobenzene	470 U	1030 U
Hexachlorobutadiene	470 U	1030 U
Hexachlorocyclopentadiene	470 U	1030 U
Hexachloroethane	470 U	1030 U
Indeno (1,2,3-c,d) pyrene	**3.2**	**332**
Isophorone	470 U	1030 U
n-Nitrosodiphenylamine	470 U	1030 U
Naphthalene	**25.1**	**85.9**
Nitrobenzene	470 U	1030 U
Pentachlorophenol	279 U	1250 U
Phenanthrene	**12.2**	**1380**
Phenol	470 U	1030 U
Pyrene	**33.5**	**1700 J**

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-55	SCC-SD-56
Sample ID	SSC-SD-50-0006	SSC-SD-51-0006	SSC-SD-52-0006	SSC-SD-54-0006	SCC-SD-55-0006	SCC-SD-56-0006
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010
Volatile Organic Compunds (UG/KG)						
1,1,1-Trichloroethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,1,2,2-Tetrachloroethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,1,2-Trichloroethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,1-Dichloroethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
1,1-Dichloroethene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2,3-Trichlorobenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dibromo-3-chloropropane	2.37 U	4.19 U	2.53 U	3.75 U	3.19 U	3.59 U
1,2-Dibromoethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dichloroethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dichloroethene, cis-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dichloroethene, trans-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,2-Dichloropropane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,3-Dichloropropene, cis-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,3-Dichloropropene, trans-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
1,3-Dinitrobenzene	105 U	955 U	126 U	859 U	594 U	900 U
1,4-Dioxane	63.8 U	955 U	76.5 U	521 U	360 U	109 U
2-Butanone	2.96 U	**8.79 J**	**3.87 J**	**11.9 J**	**11.9 J**	**6.62 J**
2-Hexanone	2.96 U	5.23 U	3.16 U	4.68 U	3.99 U	4.49 U
4-Methyl-2-pentanone	2.96 U	5.23 U	3.16 U	4.68 U	3.99 U	4.49 U
Acetone	5.93 U	**46.1**	**13.8**	**90.3**	**58.3**	**36.5**
Benzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Bromochloromethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Bromodichloromethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Bromoform	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Bromomethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Carbon Disulfide	**4.96 J**	**1.55 J**	0.632 U	**2.19 J**	**2.76 J**	0.897 U
Carbon tetrachloride	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Chlorobenzene	0.593 U	1.05 U	**0.642 J**	0.936 U	0.798 U	0.897 U
Chloroethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Chloroform	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Chloromethane	2.37 U	4.19 U	2.53 U	3.75 U	3.19 U	3.59 U
Cyclohexane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Dibromochloromethane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Dichlorodifluoromethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Ethylbenzene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Isopropylbenzene	0.593 U	1.05 UJ	0.632 U	0.936 U	0.798 U	0.897 UJ
Methyl Acetate	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Methylcyclohexane	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Methylene chloride	1.19 U	2.09 U	1.26 U	1.87 U	**2.29 J**	1.79 U
Styrene	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
tert-Butyl Methyl Ether	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Tetrachloroethene	0.593 U	1.05 UJ	0.632 U	0.936 U	0.798 U	0.897 UJ
Toluene	0.593 U	1.05 UJ	0.632 U	0.936 U	0.798 U	0.897 UJ
Trichloroethene	0.593 U	1.05 UJ	0.632 U	0.936 U	0.798 U	0.897 UJ
Trichlorofluoromethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Trichlorotrifluoroethane	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Vinyl chloride	1.19 U	2.09 U	1.26 U	1.87 U	1.6 U	1.79 U
Xylene, m,p-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Xylene, o-	0.593 U	1.05 U	0.632 U	0.936 U	0.798 U	0.897 U
Other Parameters (MG/KG)						
Total Organic Carbon	**1380**	**33800**	**11400**	**46800**	**24900**	**29200**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

ug/l = Micrograms per Liter

Bold indicates the analyte was detected

Shading indicates the result exceeded screening criteria

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-57 SCC-SD-57-0006 11/10/2010	SCC-SD-58 SCC-SD-58-0006 11/10/2010	SCC-SD-59 SCC-SD-59-0006 11/10/2010	SCC-SD-60 SCC-SD-60-0006 11/11/2010	SCC-SD-61 SCC-SD-61-0006 11/11/2010	SCC-SD-62 SCC-SD-62-0006 11/11/2010
Volatile Organic Compunds (UG/KG)						
1,1,1-Trichloroethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,1,2,2-Tetrachloroethane	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
1,1,2-Trichloroethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,1-Dichloroethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
1,1-Dichloroethene	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,2,3-Trichlorobenzene	0.692 U	0.966 U	0.56 UJ	0.904 UJ	0.919 U	0.762 U
1,2-Dibromo-3-chloropropane	2.77 U	3.86 U	2.24 U	3.61 U	3.68 U	3.05 U
1,2-Dibromoethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,2-Dichloroethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,2-Dichloroethene, cis-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,2-Dichloroethene, trans-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,2-Dichloropropane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,3-Dichloropropene, cis-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,3-Dichloropropene, trans-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
1,3-Dinitrobenzene	578 UJ	979 U	1080 U	843 U	811 U	622 U
1,4-Dioxane	70 U	119 U	653 U	102 U	98.4 U	75.5 U
2-Butanone	**12.6 J**	**11.3 J**	**29.9**	**5.17 J**	4.6 U	**14.1 J**
2-Hexanone	3.46 U	4.83 U	2.8 U	4.52 U	4.6 U	3.81 U
4-Methyl-2-pentanone	3.46 U	4.83 U	2.8 U	4.52 U	4.6 U	3.81 U
Acetone	**58.1**	**56.5**	**115**	**42**	**23.5**	**63.7**
Benzene	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Bromochloromethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Bromodichloromethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Bromoform	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Bromomethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Carbon Disulfide	0.692 U	**1.29 J**	**2 J**	**4.36 J**	**4.2 J**	**1.15 J**
Carbon tetrachloride	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Chlorobenzene	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Chloroethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Chloroform	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Chloromethane	2.77 U	3.86 U	2.24 U	3.61 U	3.68 U	3.05 U
Cyclohexane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Dibromochloromethane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Dichlorodifluoromethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Ethylbenzene	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Isopropylbenzene	0.692 UJ	0.966 U	0.56 U	0.904 UJ	0.919 UJ	0.762 UJ
Methyl Acetate	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Methylcyclohexane	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Methylene chloride	**2.44 J**	**2.32 J**	**3.96 J**	**5.5 J**	**2.97 J**	**2.3 J**
Styrene	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
tert-Butyl Methyl Ether	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Tetrachloroethene	0.692 UJ	0.966 U	0.56 U	0.904 UJ	0.919 UJ	0.762 UJ
Toluene	0.692 UJ	0.966 U	**0.859 J**	0.904 UJ	0.919 UJ	0.762 UJ
Trichloroethene	0.692 UJ	0.966 U	0.56 U	0.904 UJ	0.919 UJ	0.762 UJ
Trichlorofluoromethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Trichlorotrifluoroethane	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Vinyl chloride	1.38 U	1.93 U	1.12 U	1.81 U	1.84 U	1.52 U
Xylene, m,p-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Xylene, o-	0.692 U	0.966 U	0.56 U	0.904 U	0.919 U	0.762 U
Other Parameters (MG/KG)						
Total Organic Carbon	**19700**	**26000**	**26500**	**76200**	**38300**	**16000**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

ug/l = Micrograms per Liter

Bold indicates the analyte was detected

Shading indicates the result exceeded screening criteria

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-63 SCC-SD-63-0006 11/11/2010	SCC-SD-64 SCC-SD-64-0006 11/11/2010	SCC-SD-65 SCC-SD-65-0006 11/11/2010	SCC-SD-66 SCC-SD-66-0006 11/11/2010	SCC-SD-67 SCC-SD-67-0006 11/12/2010	SCC-SD-68 SCC-SD-68-0006 11/12/2010
Volatile Organic Compunds (UG/KG)						
1,1,1-Trichloroethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,1,2,2-Tetrachloroethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,1,2-Trichloroethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,1-Dichloroethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
1,1-Dichloroethene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2,3-Trichlorobenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dibromo-3-chloropropane	2.88 U	3.77 U	3.01 U	3.06 U	2.8 U	2.66 U
1,2-Dibromoethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dichloroethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dichloroethene, cis-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dichloroethene, trans-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,2-Dichloropropane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,3-Dichloropropene, cis-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,3-Dichloropropene, trans-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
1,3-Dinitrobenzene	716 UJ	971 U	767 UJ	706 U	666 U	556 U
1,4-Dioxane	429 U	588 U	93 U	428 U	404 U	337 U
2-Butanone	**18.7**	4.72 U	**10.8 J**	**7.15 J**	3.5 U	3.33 U
2-Hexanone	3.6 U	4.72 U	3.76 U	3.82 U	3.5 U	3.33 U
4-Methyl-2-pentanone	3.6 U	4.72 U	3.76 U	3.82 U	3.5 U	3.33 U
Acetone	**52**	9.44 U	**49.6**	**27.6**	15.9 U	**7.97 J**
Benzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Bromochloromethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Bromodichloromethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Bromoform	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Bromomethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Carbon Disulfide	**4.71 J**	0.944 U	**3.3 J**	**1.45 J**	0.701 U	**6.17 J**
Carbon tetrachloride	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Chlorobenzene	**5.78 J**	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Chloroethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Chloroform	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Chloromethane	2.88 U	3.77 U	3.01 U	3.06 U	2.8 U	2.66 U
Cyclohexane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Dibromochloromethane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Dichlorodifluoromethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 UJ	1.33 UJ
Ethylbenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Isopropylbenzene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Methyl Acetate	1.44 UJ	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Methylcyclohexane	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Methylene chloride	**3.61 J**	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Styrene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
tert-Butyl Methyl Ether	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Tetrachloroethene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Toluene	**4.9 J**	**1.33 J**	0.753 U	**16.8**	0.701 U	**3.5 J**
Trichloroethene	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Trichlorofluoromethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Trichlorotrifluoroethane	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Vinyl chloride	1.44 U	1.89 U	1.51 U	1.53 U	1.4 U	1.33 U
Xylene, m,p-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Xylene, o-	0.72 U	0.944 U	0.753 U	0.764 U	0.701 U	0.665 U
Other Parameters (MG/KG)						
Total Organic Carbon	**38600**	**49700**	**22200**	NA	**22400**	**22400**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

ug/l = Micrograms per Liter

Bold indicates the analyte was detected

Shading indicates the result exceeded screening criteria

TABLE 3-2

AOC A Surface Sediment Analytical Results (0 to 6-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-69 SCC-SD-69-0006 11/12/2010	SCC-SD-70 SCC-SD-70-0006 11/12/2010
Volatile Organic Compunds (UG/KG)		
1,1,1-Trichloroethane	0.495 U	0.542 U
1,1,2,2-Tetrachloroethane	0.495 U	0.542 U
1,1,2-Trichloroethane	0.495 U	0.542 U
1,1-Dichloroethane	0.99 U	1.08 U
1,1-Dichloroethene	0.495 U	0.542 U
1,2,3-Trichlorobenzene	0.495 U	0.542 U
1,2-Dibromo-3-chloropropane	1.98 U	2.17 U
1,2-Dibromoethane	0.495 U	0.542 U
1,2-Dichloroethane	0.495 U	0.542 U
1,2-Dichloroethene, cis-	0.495 U	0.542 U
1,2-Dichloroethene, trans-	0.495 U	0.542 U
1,2-Dichloropropane	0.495 U	0.542 U
1,3-Dichloropropene, cis-	0.495 U	0.542 U
1,3-Dichloropropene, trans-	0.495 U	0.542 U
1,3-Dinitrobenzene	470 U	1030 U
1,4-Dioxane	285 U	625 U
2-Butanone	2.47 U	2.71 U
2-Hexanone	2.47 U	2.71 U
4-Methyl-2-pentanone	2.47 U	2.71 U
Acetone	4.95 U	5.42 U
Benzene	0.495 U	0.542 U
Bromochloromethane	0.495 U	0.542 U
Bromodichloromethane	0.495 U	0.542 U
Bromoform	0.495 U	0.542 U
Bromomethane	0.99 U	1.08 U
Carbon Disulfide	0.495 U	0.542 U
Carbon tetrachloride	0.495 U	0.542 U
Chlorobenzene	0.495 U	0.542 U
Chloroethane	0.99 U	1.08 U
Chloroform	0.495 U	0.542 U
Chloromethane	1.98 U	2.17 U
Cyclohexane	0.99 U	1.08 U
Dibromochloromethane	0.495 U	0.542 U
Dichlorodifluoromethane	0.99 UJ	1.08 UJ
Ethylbenzene	0.495 U	0.542 U
Isopropylbenzene	0.495 U	0.542 U
Methyl Acetate	0.99 U	1.08 U
Methylcyclohexane	0.495 U	0.542 U
Methylene chloride	**1.49 J**	1.08 U
Styrene	0.495 U	0.542 U
tert-Butyl Methyl Ether	0.495 U	0.542 U
Tetrachloroethene	0.495 U	0.542 U
Toluene	**0.657 J**	0.542 U
Trichloroethene	0.495 U	0.542 U
Trichlorofluoromethane	0.99 U	1.08 U
Trichlorotrifluoroethane	0.99 U	1.08 U
Vinyl chloride	0.99 U	1.08 U
Xylene, m,p-	0.495 U	0.542 U
Xylene, o-	0.495 U	0.542 U
Other Parameters (MG/KG)		
Total Organic Carbon	**6020**	**68600**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

ug/l = Micrograms per Liter

Bold indicates the analyte was detected

Shading indicates the result exceeded screening criteria

TABLE 3-3

Grain Size Results

Phase III Sediment Investigation Data Report

Former Hampshire Chemical Corp

The Dow Chemical Company, Waterloo, New York

Sample ID	Start Depth	End Depth	Grain Size (Percent)							Sediment Classification		Soil Classfication	Soil Description
			Gravel		Sand								
			Coarse	Fine	Coarse	Medium	Fine	Silt	Clay				
SCC-SD-50-0006	0	6	0.0	0.0	0.0	0.1	66.7	30.9	2.3	Silty	Sand	SM	Medium Gray Silty Fine SAND
SCC-SD-50-0612	6	12	0.0	0.0	0.0	0.0	73.9	23.4	2.7	Silty	Sand	SM	Medium Gray Silty Fine SAND
SCC-SD-50-1224	12	24	0.0	0.0	0.0	0.0	69.4	28.2	2.4	Silty	Sand	SM	Medium Gray Silty Fine SAND
SCC-SD-50-2436	24	36	0.0	0.0	0.0	0.0	48.4	48.1	3.5	Silty	Sand	SM	Medium Gray Silty Fine SAND
SCC-SD-50-3648	36	48	0.0	0.0	0.0	0.0	27.1	45.6	27.3	Silty	Sand	SC	Medium Gray Sandy Clayey SILT
SCC-SD-50-4857	48	57	0.0	0.0	0.0	0.0	0.7	47.2	52.1	Silty	Clay	CL	Medium Gray Silty CLAY
SCC-SD-51-0006	0	6	0.0	0.0	1.0	4.1	41.5	39.0	14.4	Silty	Sand	SC	Dark Brownish Clayey Silty SAND
SCC-SD-51-0612	6	12	0.0	0.2	1.6	4.8	56.2	26.7	10.5	Silty	Sand	SC	Dark Brownish Clayey Silty SAND
SCC-SD-51-1224	12	24	0.0	0.0	0.7	2.0	31.7	35.2	30.4	Sandy	Silt	ML	Medium Gray Clayey Sandy SILT
SCC-SD-51-2436	24	36	0.0	0.0	0.1	1.2	15.1	53.8	29.8	Clayey	Silt	ML	Gray Sandy Clayey SILT
SCC-SD-51-3639	36	39	0.0	0.0	0.4	1.1	4.9	49.0	44.6	Clayey	Silt	ML	Gray Clayey SILT with Sand
SCC-SD-52-0006	0	6	0.0	1.0	1.7	8.7	65.3	15.4	7.9	Silty	Sand	SC	Dark Brownish Gray Silty SAND with Clay
SCC-SD-52-0612	6	12	0.0	0.3	1.6	7.0	60.6	21.3	9.2	Silty	Sand	SC	Dark Brownish Gray Silty SAND with Clay
SCC-SD-52-1224	12	24	0.0	0.2	1.8	6.3	65.2	18.9	7.6	Silty	Sand	SC	Dark Brownish Gray Silty SAND with Clay
SCC-SD-52-2436	24	36	0.0	0.0	0.0	0.9	20.2	63.7	15.2	Sandy	Silt	ML	Gray Clayey Sandy SILT
SCC-SD-52-3646	36	46	0.0	0.9	0.6	2.8	19.4	56.0	20.3	Sandy	Silt	ML	Gray Clayey Sandy SILT
SCC-SD-53-0006	0	6	0.0	0.6	1.0	2.9	55.6	28.7	11.2	Silty	Sand	SC	Dark Brownish Gray Clayey Silty SAND
SCC-SD-53-0612	6	12	0.0	2.5	0.9	3.6	62.5	23.2	7.3	Silty	Sand	SM	Medium Gray Silty SAND with Trace Clay
SCC-SD-53-1224	12	24	0.0	0.0	0.3	1.2	28.3	54.4	15.8	Sandy	Sand	SC	Med. To Dark Gray Clayey Sandy SILT
SCC-SD-53-2436	24	36	0.0	0.0	0.3	1.8	21.8	61.4	14.7	Sandy	Silt	ML	Medium Gray Clayey Sandy SILT
SCC-SD-53-3648	36	48	0.0	0.0	0.4	1.2	27.0	49.1	22.3	Sandy	Silt	ML	Medium Brownish Gray Clayey Sandy SILT
SCC-SD-53-4857	48	57	0.0	0.0	0.0	0.6	8.8	45.0	45.6	Silty	Clay	SC	Dark Brownish Gray Silty Clay with SAND
SCC-SD-54-0006	0	6	0.0	2.1	2.1	6.2	57.7	19.4	12.5	Silty	Sand	SC	Dark Brownish Gray Clayey Silty SAND
SCC-SD-54-0612	6	12	0.0	0.1	2.5	8.2	59.6	21.6	8.0	Silty	Sand	SM	Dark Gray to Black Silty SAND with Trace Clay
SCC-SD-54-1224	12	24	0.0	1.8	4.0	10.4	47.9	26.7	9.2	Silty	Sand	SM	Dark Brownish Gray Silty SAND with Trace Clay
SCC-SD-54-2436	24	36	0.0	1.8	2.4	5.6	16.9	53.7	19.6	Sandy	Silt	ML	Brownish Gray Clayey Sandy SILT
SCC-SD-54-3643	36	43	0.0	2.3	2.0	3.4	12.3	43.1	36.9	Clayey	Silt	ML	Brownish Gray Sandy Clayey SILT
SCC-SD-55-0006	0	6	0.0	15.4	16.0	18.6	35.2	6.9	7.9	Gravely	Sand	GP	Dark Gray Gravely SAND with Silt and Clay
SCC-SD-55-0612	6	12	0.0	10.1	13.7	23.4	34.1	9.1	9.6	Gravely	Sand	GP	Dark Gray Gravely SAND with Clay and Silt

TABLE 3-3
Grain Size Results
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Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Sample ID	Start Depth	End Depth	Grain Size (Percent)							Sediment Classification		Soil Classfication	Soil Description
			Gravel		Sand								
			Coarse	Fine	Coarse	Medium	Fine	Silt	Clay				
SCC-SD-55-1224	12	24	0.0	1.9	17.6	43.0	23.4	8.1	6.0	Silty	Sand	SM	Medium to Dark Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-56-0006	0	6	0.0	0.8	0.9	5.3	46.5	28.8	17.7	Silty	Sand	SM	Dark Brownish Gray Clayey Silty SAND
SCC-SD-56-0612	6	12	0.0	1.2	1.6	8.4	44.5	31.5	12.8	Silty	Sand	SM	Medium Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-57-0006	0	6	0.0	3.2	2.7	14.5	57.9	13.7	8.0	Silty	Sand	SM	Dark Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-57-0612	6	12	0.0	1.7	3.0	10.8	56.5	18.8	9.2	Silty	Sand	SM	Dark Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-57-1224	12	24	0.0	0.0	1.1	8.0	39.2	35.2	16.5	Silty	Sand	SC	Dark Brownish Gray Clayey Silty SAND
SCC-SD-57-2436	24	36	0.0	0.5	1.8	7.8	45.8	30.1	14.0	Silty	Sand	SC	Dark Gray Clayey Silty SAND
SCC-SD-57-3648	36	48	0.0	0.0	0.3	3.2	15.1	66.9	14.5	Sandy	Silt	ML	Brownish Gray Clayey Sandy SILT
SCC-SD-58-0006	0	6	0.0	1.3	1.6	6.8	22.4	50.1	17.8	Sandy	Silt	ML	Dark Brownish Gray Clayey Sandy SILT with Gravel
SCC-SD-58-0612	6	12	0.0	4.1	5.0	12.3	17.5	44.3	16.8	Sandy	Silt	ML	Dark Brownish Gray Clayey Sandy SILT with Gravel
SCC-SD-58-1224	12	24	0.0	0.0	0.1	0.6	2.4	26.0	70.9	Silty	Clay	SC	Medium Brown Gray Silty CLAY with Sand
SCC-SD-58-2436	24	36	0.0	0.0	0.0	0.1	0.5	32.9	66.5	Silty	Clay	SC	Grayish Brown Silty CLAY
SCC-SD-58-3644	36	44	0.0	0.0	0.0	0.1	1.1	47.5	51.3	Silty	Clay	SC	Grayish Brown Silty CLAY
SCC-SD-59-0006	0	6	0.0	16.2	15.8	18.4	38.0	7.6	4.0	Gravely	Sand	SP	Dark Brownish Gray Gravely SAND with Silt and Clay
SCC-SD-59-0612	6	12	0.0	7.4	3.8	5.7	45.0	24.2	13.9	Silty	Sand	SM	Medium Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-59-1224	12	24	0.0	1.3	3.6	5.7	29.7	23.2	36.5	Clayey	Sand	SC	Medium brown Gray Silty Clayey SAND with Gravel
SCC-SD-59-2436	24	36	0.0	0.8	1.1	6.8	49.1	30.4	11.8	Silty	Sand	SM	Medium Brownish Gray Clayey Silty SAND
SCC-SD-59-3648	36	48	0.0	0.0	1.8	4.4	24.6	29.4	39.8	Sandy	Clay	SC	Medium Brownish Gray Silty Sandy CLAY
SCC-SD-59-4858	48	58	0.0	0.0	0.0	0.3	2.3	30.3	67.1	Silty	Clay	SC	Medium Grayish Brown Silty CLAY with Sand
SCC-SD-60-0006	0	6	0.0	54.9	8.0	8.5	5.1	12.6	10.9	Sandy	Gravel	GP	Brownish Gray Clayey Silty Sandy GRAVEL
SCC-SD-60-0611	6	11	0.0	0.0	2.2	1.6	0.9	38.2	57.1	Silty	Clay	SC	Brownish Gray Silty CLAY with Sand
SCC-SD-61-0006	0	6	0.0	19.4	3.2	12.3	40.2	13.7	11.2	Gravely	Sand	SP	Brownish Gray Clayey Silty Gravely SAND

TABLE 3-3
Grain Size Results
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The Dow Chemical Company, Waterloo, New York

Sample ID	Start Depth	End Depth	Grain Size (Percent)							Sediment Classification		Soil Classfication	Soil Description
			Gravel		Sand								
			Coarse	Fine	Coarse	Medium	Fine	Silt	Clay				
SCC-SD-62-0006	0	6	0.0	4.0	0.8	4.9	39.1	39.2	12.0	Silty	Sand	SC	Dark Brownish Gray Clayey Silty SAND with Gravel
SCC-SD-62-0612	6	12	0.0	0.0	0.6	3.2	28.8	52.5	14.9	Sandy	Silt	SC	Dark Brownish Gray Clayey Sandy SILT with Gravel
SCC-SD-62-1223	12	23	0.0	26.4	14.0	13.6	10.7	14.5	20.8	Gravely	Sand	GP	Dark Brownish Gray Silty Clayey Gravely SAND
SCC-SD-63-0006	0	6	0.0	3.0	4.9	7.4	59.0	16.7	9.0	Silty	Sand	SM	Dark Gray to Black Silty SAND with Clay and Gravel
SCC-SD-63-0612	6	12	0.0	6.3	3.1	9.7	55.9	19.9	5.1	Silty	Sand	SC	Dark Gray to Black Silty SAND with Gravel and Trace Clay
SCC-SD-63-1224	12	24	0.0	19.4	4.7	5.4	33.3	29.0	8.2	Silty	Sand	SC	Brownish Gray Gravely Silty SAND with Clay
SCC-SD-63-2428	24	28	0.0	18.8	6.1	9.5	19.6	34.5	11.5	Sandy	Silt	ML	Brownish Gray Gravely Sandy SILT with Clay
SCC-SD-64-0006	0	6	0.0	0.0	2.3	7.1	50.8	28.1	11.7	Silty	Sand	SC	Dark Brownish Gray Clayey Silty SAND
SCC-SD-64-0612	6	12	0.0	6.0	5.6	13.5	53.6	15.2	6.1	Silty	Sand	SC	Dark Brownish Gray Grvely Silty SAND with Clay
SCC-SD-65-0006	0	6	0.0	0.0	1.1	3.7	62.0	24.5	8.7	Silty	Sand	SM	Brownish Dark Gray Silty SAND with Clay
SCC-SD-65-0612	6	12	0.0	0.0	0.4	2.9	54.4	32.5	9.8	Silty	Sand	SM	Dark Gray Silty SAND with Clay
SCC-SD-65-1224	12	24	0.0	2.0	0.7	3.5	61.3	22.5	10.0	Silty	Sand	SM	Medium to Dark Brownish Gray Silty SAND with Clay
SCC-SD-65-2436	24	36	0.0	0.0	0.6	7.4	58.6	23.3	10.1	Silty	Sand	SM	Medium Brownish Gray Clayey Silty SAND
SCC-SD-65-3648	36	48	0.0	0.0	0.1	3.5	49.6	37.6	9.2	Silty	Sand	SM	Medium to Dark Brownish Gray Silty SAND with Clay
SCC-SD-65-4860	48	60	0.0	0.0	0.2	2.3	22.3	60.6	14.6	Sandy	Silt	ML	Medium Brownish Gray Clayey Sandy SILT
SCC-SD-65-6072	60	72	0.0	0.9	1.1	4.1	15.9	38.9	39.1	Silty	Clay	SC	Medium Brownish Gray Sandy Silty CLAY
SCC-SD-65-7282	72	82	0.0	0.4	0.1	0.4	1.8	65.1	32.2	Clayey	Silt	ML	Medium Grayish Brown Clayey SILT with Sand
SCC-SD-66-0006	0	6	0.0	1.5	0.7	5.2	52.0	32.0	8.6	Silty	Sand	SC	Dark Gray to Black Silty SAND with Clay
SCC-SD-66-0612	6	12	0.0	0.7	3.5	13.1	39.7	33.9	9.1	Silty	Sand	SC	Dark Brownish Gray Silty SAND with Clay
SCC-SD-66-1224	12	24	0.0	0.4	0.7	5.9	62.4	22.5	8.1	Silty	Sand	SC	Dark Brownish Gray Silty SAND with Clay
SCC-SD-66-2436	24	36	0.0	2.0	1.2	3.9	45.0	34.8	13.1	Silty	Sand	SC	Medium Brownish Gray Silty SAND with Clay
SCC-SD-66-3648	36	48	0.0	0.0	0.0	1.9	10.0	70.2	17.9	Sandy	Silt	SC	Medium Brownish Gray Clayey Sandy SILT
SCC-SD-66-4860	48	60	0.0	0.0	0.2	0.5	1.9	57.4	40.0	Clayey	Silt	ML	Grayish Brown Clayey SILT with Sand
SCC-SD-66-6072	60	72	0.0	0.0	0.0	0.1	0.4	68.6	30.9	Clayey	Silt	ML	Grayish Brown Clayey DILT

TABLE 3-3
Grain Size Results
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Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Sample ID	Start Depth	End Depth	Grain Size (Percent)							Sediment Classification		Soil Classfication	Soil Description
			Gravel		Sand								
			Coarse	Fine	Coarse	Medium	Fine	Silt	Clay				
SCC-SD-67-0006	0	6	0.0	1.5	2.3	4.1	56.8	26.3	9.0	Silty	Sand	SC	Brownish Dark Gray Clayey Silty SAND with Gravel
SCC-SD-67-0612	6	12	0.0	0.0	1.0	2.5	55.3	34.0	7.2	Silty	Sand	SC	Brownish Gray Silty SAND with Clay
SCC-SD-67-1224	12	24	0.0	1.0	0.0	1.3	19.8	67.0	10.9	Sandy	Silt	SC	Brownish Gray Clayey Sandy SILT
SCC-SD-67-2436	24	36	0.0	0.0	0.0	0.0	0.8	74.5	24.7	Clayey	Silt	ML	Gray Brown Clayey SILT
SCC-SD-67-3648	36	48	0.0	0.0	0.0	0.0	0.0	44.8	55.2	Silty	Clay	CL	Gray Brown Silty CLAY
SCC-SD-67-4855	48	55	0.0	0.0	0.0	0.1	0.3	33.0	66.6	Silty	Clay	CL	Gray Brown Silty CLAY
SCC-SD-68-0006	0	6	12.1	36.7	4.3	5.6	35.0	2.5	3.8	Gravely	Sand	GM	Medium Brownish Gray Gravely Sand with Trace Silt and Clay
SCC-SD-68-0612	6	12	0.0	13.9	2.8	7.4	55.1	12.1	8.7	Silty	Sand	SC	Medium to Dark Gray Silty Sand with Gravel and Clay
SCC-SD-68-1220	12	20	0.0	3.2	2.1	5.6	45.3	28.4	15.4	Silty	Sand	SC	Medium to Dark Gray Clayey Silty SAND with Gravel
SCC-SD-69-0006	0	6	0.0	48.5	17.2	24.7	6.3	0.0	3.3	Sandy	Gravel	GM	Brownish Medium Gray Sandy GRAVEL with Trace Silt and Clay
SCC-SD-69-0609	6	9	0.0	47.8	20.3	18.0	7.4	1.9	4.6	Sandy	Gravel	GM	Brownish Red Gray Sandy GRAVEL with Trace Silt and Clay
SCC-SD-70-0006	0	6	29.6	40.4	8.3	11.4	5.0	2.1	3.2	Sandy	Gravel	GM	Brownish Medium Gray Sandy GRAVEL with Trace Silt and Clay

TABLE 3-4
Summary Statistic - AOC A Surface Sediment (0 - 6 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

AnalyteName	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Sample ID of Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	20 / 20	5,770	SCC-SD-51-0006	3247	1383	2,000	10 / 20
Antimony	0.40 - 0.78	3 / 20	0.758	SCC-SD-67-0006	0.595	0.118	2.00	0 / 20
Arsenic	-- - --	20 / 20	16.3	SCC-SD-60-0006	3.13	3.19	6.00	1 / 20
Barium	-- - --	20 / 20	111	SCC-SD-70-0006	36.8	22.4	NSV	-- / --
Beryllium	-- - --	20 / 20	0.305	SCC-SD-60-0006	0.180	0.077	NSV	-- / --
Cadmium	0.24 - 0.50	8 / 20	2.95	SCC-SD-59-0006	0.719	0.675	0.60	6 / 20
Calcium	-- - --	20 / 20	76,600	SCC-SD-69-0006	30585	19050	NSV	-- / --
Chromium	-- - --	20 / 20	21.3	SCC-SD-54-0006	7.22	3.99	26.0	0 / 20
Cobalt	-- - --	20 / 20	5.88	SCC-SD-60-0006	3.60	1.08	NSV	-- / --
Copper	-- - --	20 / 20	72.2	SCC-SD-63-0006	21.1	16.0	16.0	10 / 20
Iron	-- - --	20 / 20	13,400	SCC-SD-60-0006	8573	2186	20,000	0 / 20
Lead	-- - --	20 / 20	120	SCC-SD-52-0006	27.8	29.9	31.0	5 / 20
Magnesium	-- - --	20 / 20	23,200	SCC-SD-69-0006	8228	4644	NSV	-- / --
Manganese	-- - --	20 / 20	307	SCC-SD-60-0006	152	53	460	0 / 20
Mercury	-- - --	20 / 20	0.475	SCC-SD-63-0006	0.122	0.113	0.15	6 / 20
Nickel	-- - --	20 / 20	13.8	SCC-SD-60-0006	8.4	2.6	NSV	-- / --
Potassium	-- - --	20 / 20	1,010	SCC-SD-51-0006	500	224	NSV	-- / --
Selenium	0.48 - 1.00	1 / 20	1.32	SCC-SD-54-0006	0.768	0.200	16.0	0 / 20
Silver	0.20 - 0.39	5 / 20	0.524	SCC-SD-54-0006	0.305	0.071	1.00	0 / 20
Sodium	-- - --	20 / 20	677	SCC-SD-70-0006	217	130	NSV	-- / --
Vanadium	-- - --	20 / 20	17.9	SCC-SD-54-0006	9.29	3.44	NSV	-- / --
Zinc	-- - --	20 / 20	434	SCC-SD-63-0006	108	107	120	6 / 20
Polychlorinated Biphenyls (UG/KG)								
Aroclor-1254	9.52 - 30.2	1 / 19	33.8	SCC-SD-59-0006	15.2	5.49	74.0	0 / 19
Aroclor-1260	9.52 - 30.2	4 / 19	54.3	SCC-SD-70-0006	19.8	12.7	74.0	0 / 19
Total PCBs	9.52 - 30.2	4 / 19	73	SCC-SD-54-0006	40	15	74.0	0 / 19
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	2 - 971	9 / 20	70.2	SCC-SD-70-0006	57.9	215	1,799	0 / 20
Acenaphthene	2.11 - 5.27	10 / 20	99.9	SCC-SD-70-0006	11.1	22.0	7,406	0 / 20
Acenaphthylene	2.19 - 3.59	16 / 20	60.9	SCC-SD-59-0006	12.0	14.7	44.0	1 / 20
Anthracene	3.59 - 3.59	19 / 20	425	SCC-SD-70-0006	50.0	96.7	5660.3	0 / 20
Benzo(a)anthracene	3.59 - 3.59	19 / 20	1,130	SCC-SD-54-0006	184	297	635	2 / 20
Benzo(a)pyrene	3.59 - 3.59	19 / 20	634	SCC-SD-70-0006	121	167	430	2 / 20
Benzo(b)fluoranthene	3.59 - 3.59	19 / 20	1,020	SCC-SD-54-0006	159	254	NSV	-- / --
Benzo(g,h,i)perylene	3.59 - 3.59	19 / 20	363	SCC-SD-70-0006	71.3	89.5	NSV	-- / --
Benzo(k)fluoranthene	3.59 - 3.59	19 / 20	578	SCC-SD-70-0006	114	154	NSV	-- / --
Chrysene	3.59 - 3.59	19 / 20	1,220	SCC-SD-54-0006	222	316	384	4 / 20
Dibenzo (a,h) anthracene	1.34 - 3.59	17 / 20	103	SCC-SD-70-0006	20.8	26.6	63	2 / 20
Fluoranthene	3.59 - 3.59	19 / 20	2,550	SCC-SD-54-0006	449	694	53,958	0 / 20
Fluorene	2.31 - 5.27	17 / 20	121	SCC-SD-70-0006	15.0	27.1	423	0 / 20
Indeno (1,2,3-c,d) pyrene	3.59 - 3.59	19 / 20	332	SCC-SD-70-0006	65.3	83.6	NSV	-- / --
Naphthalene	2.31 - 16.2	12 / 20	85.9	SCC-SD-70-0006	10.5	19.0	6,348	0 / 20
Phenanthrene	3.59 - 3.59	19 / 20	1,380	SCC-SD-70-0006	223	402	50,837	0 / 20
Pyrene	3.59 - 3.59	19 / 20	2,100	SCC-SD-54-0006	402	589	53,958	0 / 20
Total PAHs	-- - --	19 / 20	11368	SCC-SD-54-0006	3016	4453	4,000	3 / 20
Volatile Organic Compounds (UG/KG)								
2-Butanone	2.47 - 4.72	13 / 20	29.9	SCC-SD-59-0006	8.85	6.74	NSV	-- / --
Acetone	4.95 - 15.9	15 / 20	115	SCC-SD-59-0006	38.7	30.5	NSV	-- / --
Carbon Disulfide	0.5 - 0.944	13 / 20	6.17	SCC-SD-68-0006	2.25	1.76	NSV	-- / --
Chlorobenzene	0.5 - 1.05	2 / 20	5.78	SCC-SD-63-0006	1.02	1.13	185	0 / 20
Methylene chloride	1.08 - 2.09	9 / 20	5.5	SCC-SD-60-0006	2.19	1.10	NSV	-- / --
Toluene	0.54 - 1.05	6 / 20	16.8	SCC-SD-66 -0006	1.96	3.65	2,592	0 / 20
Semivolatile Organic Compounds (UG/KG)								
Bis (2-ethylhexyl) phthalate	105 - 1,080	6 / 20	38,300	SCC-SD-54-0006	2589	8410	10,554	1 / 20

TABLE 3-5
Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-55	SCC-SD-56	SCC-SD-57
Sample ID	SSC-SD-50-0612	SSC-SD-51-0612	SSC-SD-52-0612	SSC-SD-54-0612	SCC-SD-55-0612	SCC-SD-56-0612	SCC-SD-57-0612
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010	11/10/2010
Chemical Name							
Inorganics (MG/KG)							
Aluminum	**1940**	**3140**	**2790**	**4070**	**2550**	**5220**	**2260**
Antimony	0.445 U	0.491 U	0.519 U	**0.601 J**	0.559 U	0.68 U	0.47 U
Arsenic	**2.45**	**1.72 J**	**3.25**	**5**	**3.57**	**1.5 J**	**1.45 J**
Barium	**9.41**	**24.2**	**27.6**	**55.9**	**22.6**	**45.6**	**17.5**
Beryllium	**0.0543 J**	**0.162 J**	**0.19 J**	**0.175 J**	**0.15 J**	**0.286 J**	**0.135 J**
Cadmium	0.299 U	0.339 U	**0.369 J**	**2.11**	0.376 U	**0.979**	0.342 U
Calcium	**34200**	**14200**	**15900**	**17100**	**26000**	**13400**	**30300**
Chromium	**3.14**	**4.9**	**5.01**	**10.6**	**3.99**	**15.6**	**3.87**
Cobalt	**2.04**	**2.99**	**3.6**	**3.78**	**3.64**	**4.87**	**3.51**
Copper	**6.19**	**13.4**	**26.6**	**86.7**	**11.7**	**23.2**	**10.4**
Iron	**6950**	**6640**	**15000**	**12200**	**9150**	**9870**	**6480**
Lead	**3.56**	**11.1**	**22**	**134**	**10.4**	**39.7**	**71.6**
Magnesium	**11700**	**5130**	**5140**	**5530**	**8510**	**5810**	**9310**
Manganese	**210**	**99.6**	**141**	**108**	**138**	**100**	**149**
Mercury	0.117 U	**0.0287 J**	**0.146**	**1.06 J**	**0.0761 J**	**0.26**	**0.0832 J**
Nickel	**4.29**	**6.32**	**7.58**	**11.3**	**6.65**	**11.3**	**5.94**
Potassium	**426**	**479**	**342**	**757**	**283**	**701**	**243**
Selenium	0.598 U	0.678 U	0.715 U	**0.892 J**	0.752 U	0.904 U	0.684 U
Silver	**0.356 J**	0.246 U	**0.43 J**	**1.59**	0.279 U	0.34 U	0.235 U
Sodium	**73.9**	**118**	**170**	**317**	**115**	**155**	**105**
Thallium	0.889 U	0.982 U	1.04 U	1.19 U	1.12 U	1.36 U	0.939 U
Vanadium	**7.12**	**7.68**	**23.7**	**27**	**9.64**	**10.5**	**6.66**
Zinc	**22**	**43.2**	**679**	**696**	**179**	**278**	**57**
Pesticide/Polychlorinated Biphenyls (UG/KG)							
Aroclor-1016	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	13.2 U
Aroclor-1221	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	13.2 U
Aroclor-1232	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	13.2 U
Aroclor-1242	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	13.2 U
Aroclor-1248	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	13.2 U
Aroclor-1254	20.6 U	25.3 U	23.7 U	27.2 U	13.5 U	17.5 U	**19.7 J**
Aroclor-1260	20.6 U	25.3 U	23.7 U	**107 J**	13.5 U	17.5 U	13.2 U
Semivolatile Organic Compounds (UG/KG)							
1,2,4-Trichlorobenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dichlorobenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,3,5-Trinitrobenzene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
1,3-Dichlorobenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,4-Dichlorobenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
2,4,5-Trichlorophenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
2,4,6-Trichlorophenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
2,4-Dichlorophenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
2,4-Dimethylphenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
2,4-Dinitrophenol	60.5 UJ	144 UJ	385 UJ	494 UJ	453 U	537 U	385 UJ
2,4-Dinitrotoluene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
2,6-Dinitrotoluene	**107 R**	**617 R**	127 U	**794 R**	744 UJ	860 UJ	658 UJ
2-Chloronaphthalene	107 U	617 U	127 U	794 U	744 UJ	860 UJ	658 UJ
2-Chlorophenol	107 U	617 U	127 U	794 U	744 UJ	860 U	658 U
2-Methylnaphthalene	3.19 U	**617 R**	**184**	**794 R**	2.23 U	**2.93 J**	**9.73**
2-Methylphenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
2-Nitroaniline	60.5 U	144 U	385 UJ	494 UJ	453 U	537 U	385 U
2-Nitrophenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
3,3'-Dichlorobenzidine	214 UJ	1230 UJ	253 UJ	1590 UJ	1490 U	1720 UJ	1320 UJ
3-,4-Methylphenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
3-Nitroaniline	60.5 U	144 U	385 UJ	494 UJ	453 U	537 U	385 U
4-Bromophenyl phenyl ether	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
4-Chloroaniline	107 UJ	617 UJ	127 UJ	794 UJ	744 UJ	860 UJ	658 UJ
4-Nitrophenol	60.5 UJ	144 UJ	385 U	494 UJ	453 U	537 U	385 U
Acenaphthene	3.19 U	617 U	**689**	794 U	**7.49**	2.71 UJ	**22.1**
Acenaphthylene	3.19 U	617 U	**24**	794 U	**4.68**	**3.06 J**	**28**
Anthracene	3.19 U	617 U	**1410**	794 U	**19.3**	**6.17 J**	**106**
Benzo(a)anthracene	3.19 U	617 U	**2510**	794 U	**26.9**	**25.1 J**	**879 J**
Benzo(a)pyrene	3.19 U	617 U	**2000**	794 U	**18.5**	**21.4 J**	**201**
Benzo(b)fluoranthene	3.19 U	617 U	**203 J**	794 U	**37.4**	**22 J**	**407**
Benzo(g,h,i)perylene	3.19 U	617 U	**664**	**92.6 J**	**14.6**	**14.2 J**	**131**
Benzo(k)fluoranthene	3.19 U	617 U	**1930**	794 U	**29.3**	**23.5 J**	**325**
Benzoic Acid	428 U	2470 U	506 UJ	3180 U	2970 UJ	3440 UJ	2630 UJ
Benzyl Alcohol	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Biphenyl (diphenyl)	107 U	617 U	127 U	794 U	744 U	860 U	658 U
Bis (2-chloroethoxy) methane	**107 R**	**617 R**	127 U	**794 R**	744 UJ	860 UJ	658 UJ
Bis (2-chloroethyl) ether	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Bis (2-ethylhexyl) phthalate	107 UJ	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Butyl benzylphthalate	107 UJ	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Carbazole	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Chrysene	3.19 U	617 U	**2330**	**881 J**	**44.6**	**26.6 J**	**765 J**
Di-n-butylphthalate	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Di-n-octylphthalate	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Dibenzo (a,h) anthracene	3.19 U	617 U	**290**	794 U	**5.86**	**3.89 J**	**40.5**
Dibenzofuran	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Diethyl phthalate	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Dimethyl phthalate	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Fluoranthene	3.19 U	617 U	**612**	**339 J**	**107**	**58.8 J**	**1960 J**
Fluorene	3.19 U	617 U	**661**	794 U	**5.27**	**4.56 J**	**30.1**
Hexachlorobenzene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Hexachlorobutadiene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Hexachlorocyclopentadiene	107 U	617 UJ	127 U	794 UJ	744 UJ	860 UJ	658 UJ
Hexachloroethane	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Indeno (1,2,3-c,d) pyrene	3.19 U	617 U	**695**	**84.9 J**	**13.2**	**12.7 J**	**131**
Isophorone	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
n-Nitrosodiphenylamine	**107 R**	**617 R**	127 U	**794 R**	744 UJ	860 UJ	658 UJ
Naphthalene	3.19 U	617 U	**544**	794 U	3.31 U	**6.67 J**	**12.5**
Nitrobenzene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
Pentachlorophenol	60.5 UJ	144 UJ	385 U	494 UJ	453 U	537 U	385 U
Phenanthrene	3.19 U	617 U	**4810**	794 U	**22.3**	**23 J**	**292**
Phenol	107 U	617 U	127 U	794 U	744 U	860 U	658 U
Pyrene	3.19 U	617 U	**504**	**249 J**	**88.7**	**39 J**	**1520 J**

TABLE 3-5
Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-58	SCC-SD-59	SCC-SD-60	SCC-SD-62	SCC-SD-63	SCC-SD-64	SCC-SD-65	SCC-SD-66
Sample ID	SCC-SD-58-0612	SCC-SD-59-0612	SCC-SD-60-0611	SCC-SD-62-0612	SCC-SD-63-0612	SCC-SD-64-0612	SCC-SD-65-0612	SCC-SD-66-0612
Sample Date	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010
Chemical Name								
Inorganics (MG/KG)								
Aluminum	**5190**	**2080**	**7830**	**4500**	**2100**	**1770**	**3060**	**2930**
Antimony	0.544 U	0.427 U	0.546 U	0.517 U	0.506 U	**0.569 J**	0.567 U	0.493 U
Arsenic	**2.8**	**3.62**	**3.36**	**2.41**	**2.81**	**2.48**	**2.5**	**1.72 J**
Barium	**59.6**	**24.9**	**86.7**	**45.2**	**20.3**	**20**	**35.8**	**31.9**
Beryllium	**0.302 J**	**0.0968 J**	**0.385 J**	**0.261 J**	**0.129 J**	**0.118 J**	**0.155 J**	**0.173 J**
Cadmium	0.371 U	**0.351 J**	0.35 U	0.368 U	**1.55**	**0.398 J**	**1.4**	0.334 U
Calcium	**20500**	**17900**	**77000**	**18500**	**31300**	**91300**	**15300**	**22000**
Chromium	**7.73**	**6.24**	**11.6**	**6.79**	**14.9**	**6.44**	**7.64**	**5.62**
Cobalt	**4.51**	**3.84**	**8.36**	**4.3**	**2.84**	**4.34**	**3.29**	**3.49**
Copper	**14.6**	**15.1**	**17.4**	**14.9**	**45.1**	**24.6**	**37.7**	**10.2**
Iron	**10700**	**9730**	**18800**	**9580**	**9250**	**8430**	**7650**	**7420**
Lead	**11.4**	**17.5**	**7.31**	**10.4**	**32.9**	**14.3**	**54**	**8.83**
Magnesium	**6580**	**4570**	**21600**	**6160**	**10700**	**7620**	**5010**	**6560**
Manganese	**173**	**99**	**498**	**145**	**140**	**198**	**103**	**134**
Mercury	**0.044 J**	**1.02 J**	**0.0215 J**	**0.0478 J**	**0.331**	**0.15**	**0.549**	**0.0866 J**
Nickel	**11.7**	**7.79**	**19.1**	**10.4**	**6.88**	**8.6**	**8.51**	**7.55**
Potassium	**715**	**287**	**1530**	**480**	**256**	**287**	**382**	**393**
Selenium	0.743 U	0.608 U	0.7 U	0.737 U	0.645 U	0.651 U	0.743 U	0.667 U
Silver	0.272 U	0.213 U	**0.369 J**	0.258 U	0.253 U	**0.239 J**	**0.495 J**	**0.292 J**
Sodium	**325**	**136**	**255**	**149**	**229**	**152**	**169**	**154**
Thallium	1.09 U	0.853 U	1.09 U	1.03 U	1.01 U	0.91 U	1.13 U	0.986 U
Vanadium	**11**	**12.5**	**19.2**	**9.29**	**8.4**	**5.26**	**14.6**	**7.27**
Zinc	**43.4**	**172**	**45.9**	**71.1**	**541**	**149**	**454**	**47.2**
Pesticide/Polychlorinated Biphenyls (UG/KG)								
Aroclor-1016	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	13.3 U	NA
Aroclor-1221	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	13.3 U	NA
Aroclor-1232	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	13.3 U	NA
Aroclor-1242	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	13.3 U	NA
Aroclor-1248	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	13.3 U	NA
Aroclor-1254	15.6 U	**13.6 J**	12.3 U	12.8 U	13.3 U	**456**	13.3 U	NA
Aroclor-1260	15.6 U	11.8 U	12.3 U	12.8 U	13.3 U	9.69 U	**32.4**	NA
Semivolatile Organic Compounds (UG/KG)								
1,2,4-Trichlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dichlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,3,5-Trinitrobenzene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
1,3-Dichlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,4-Dichlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
2,4,5-Trichlorophenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2,4,6-Trichlorophenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2,4-Dichlorophenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2,4-Dimethylphenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2,4-Dinitrophenol	468 UJ	680 UJ	395 U	401 U	367 U	758 UJ	404 U	407 U
2,4-Dinitrotoluene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2,6-Dinitrotoluene	747 U	595 U	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 U
2-Chloronaphthalene	747 U	595 U	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 UJ
2-Chlorophenol	747 U	595 U	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 U
2-Methylnaphthalene	747 U	**19.7**	2.07 U	2.25 U	**12.1**	**5.41 J**	**5.15 J**	1.98 U
2-Methylphenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
2-Nitroaniline	468 U	680 U	395 U	401 UJ	367 U	758 U	404 U	407 U
2-Nitrophenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
3,3'-Dichlorobenzidine	1490 UJ	1190 UJ	256 U	1300 U	1190 U	1290 U	2790 UJ	1360 U
3-,4-Methylphenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
3-Nitroaniline	468 U	680 U	395 U	401 UJ	367 U	758 U	404 U	407 U
4-Bromophenyl phenyl ether	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
4-Chloroaniline	747 UJ	595 UJ	128 UJ	650 UJ	597 UJ	643 UJ	1390 UJ	682 U
4-Nitrophenol	468 U	680 U	395 U	401 U	367 U	758 U	404 U	407 U
Acenaphthene	747 U	**52.9**	2.07 U	2.25 U	**16.2**	**11**	**5.44 J**	1.98 U
Acenaphthylene	**7.51 J**	**33.5**	2.07 U	**7.21**	**14.7**	**9.8**	**16.1 J**	**4.22**
Anthracene	**15.5 J**	**252**	2.07 U	**8.51**	**53**	**28.6**	**32.2 J**	**8.23**
Benzo(a)anthracene	**25.3 J**	**447**	2.07 U	**28.2**	**154**	**87.7**	**129 J**	**36.5**
Benzo(a)pyrene	**22.2 J**	**356**	2.07 U	**25.8**	**144**	**89.1**	**116 J**	**29**
Benzo(b)fluoranthene	**29.1 J**	**309**	2.07 U	**37.4**	**154**	**90.4**	**120 J**	**40.8**
Benzo(g,h,i)perylene	**16.5 J**	**159**	2.07 U	**19**	**93.8**	**61.7**	**63.7 J**	**18.9**
Benzo(k)fluoranthene	**28 J**	**354**	2.07 U	**30.4**	**146**	**78.1**	**107 J**	**30.1**
Benzoic Acid	2990 U	2380 U	512 UJ	2600 UJ	2390 U	2570 U	5570 UJ	2730 UJ
Benzyl Alcohol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Biphenyl (diphenyl)	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Bis (2-chloroethoxy) methane	747 U	595 U	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 UJ
Bis (2-chloroethyl) ether	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Bis (2-ethylhexyl) phthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Butyl benzylphthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Carbazole	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Chrysene	**38.4 J**	**395**	**3.63 J**	**40**	**171**	**93.6**	**124 J**	**51.5**
Di-n-butylphthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Di-n-octylphthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Dibenzo (a,h) anthracene	**4.32 J**	**52.6**	2.07 U	**7.77**	**29.7**	**18.9**	**19.1 J**	**7.8**
Dibenzofuran	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Diethyl phthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Dimethyl phthalate	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Fluoranthene	**67.9 J**	**1010**	**3.76 J**	**66.4**	**886 J**	**185**	**256 J**	**67.2**
Fluorene	**3.04 J**	**81.5**	2.07 U	**2.45 J**	**23**	**15.6**	**10.5 J**	**2.7 J**
Hexachlorobenzene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Hexachlorobutadiene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Hexachlorocyclopentadiene	747 UJ	595 UJ	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 UJ
Hexachloroethane	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Indeno (1,2,3-c,d) pyrene	**15 J**	**160**	2.07 U	**17.2**	**84.2**	**53.6**	**61.8 J**	**17.4**
Isophorone	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
n-Nitrosodiphenylamine	747 U	595 U	128 UJ	650 UJ	597 U	643 U	1390 UJ	682 U
Naphthalene	**2.92 J**	**16.5 J**	2.07 U	2.46 U	**17.6**	**10.6**	8.49 U	**2.14 J**
Nitrobenzene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Pentachlorophenol	468 U	680 U	395 U	401 U	367 U	758 U	404 U	407 U
Phenanthrene	**20.3 J**	**728**	**3.26 J**	**14.1**	**208**	**120**	**118 J**	**18.4**
Phenol	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
Pyrene	**51.5 J**	**796**	**3.89 J**	**60.6**	**836 J**	**139**	**203 J**	**66.5**

TABLE 3-5
Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID **Sample ID** **Sample Date**	SCC-SD-67 SCC-SD-67-0612 11/12/2010	SCC-SD-68 SCC-SD-68-0612 11/12/2010	SCC-SD-69 SCC-SD-69-0609 11/12/2010
Chemical Name			
Inorganics (MG/KG)			
Aluminum	**1250**	**1900**	**2330**
Antimony	0.454 U	0.477 U	**0.413 J**
Arsenic	**1.73 J**	**3.13**	**1.9**
Barium	**12.2**	**26.9**	**11.5**
Beryllium	**0.0549 J**	**0.096 J**	**0.14 J**
Cadmium	**0.912**	0.347 U	0.271 U
Calcium	**24700**	**18200**	**110000**
Chromium	**9.6**	**4.09**	**4.42**
Cobalt	**2.26**	**2.58**	**3.52**
Copper	**9.23**	**23.5**	**7.83**
Iron	**4420**	**6430**	**8960**
Lead	**28.2**	**77.1**	**8.11**
Magnesium	**7640**	**4480**	**57900**
Manganese	**112**	**74.9**	**362**
Mercury	**0.0861 J**	**0.143**	**0.0229 J**
Nickel	**4.1**	**5.55**	**7.29**
Potassium	**185**	**240**	**594**
Selenium	0.635 U	0.694 U	0.543 U
Silver	0.227 U	0.239 U	0.199 U
Sodium	**88.3**	**217**	**159**
Thallium	0.908 U	0.955 U	0.797 U
Vanadium	**4.57**	**5.39**	**7.95**
Zinc	**142**	**85.2**	**60.7**
Pesticide/Polychlorinated Biphenyls (UG/KG)			
Aroclor-1016	11 U	11.3 U	9.94 U
Aroclor-1221	11 U	11.3 U	9.94 U
Aroclor-1232	11 U	11.3 U	9.94 U
Aroclor-1242	11 U	11.3 U	9.94 U
Aroclor-1248	11 U	11.3 U	9.94 U
Aroclor-1254	11 U	11.3 U	9.94 U
Aroclor-1260	11 U	11.3 U	**10.6 J**
Semivolatile Organic Compounds (UG/KG)			
1,2,4-Trichlorobenzene	0.593 U	0.731 U	0.579 U
1,2-Dichlorobenzene	0.593 U	0.731 U	0.579 U
1,3,5-Trinitrobenzene	560 U	540 U	487 U
1,3-Dichlorobenzene	0.593 U	0.731 U	0.579 U
1,4-Dichlorobenzene	0.593 U	0.731 U	0.579 U
2,4,5-Trichlorophenol	560 U	540 U	487 U
2,4,6-Trichlorophenol	560 U	540 U	487 U
2,4-Dichlorophenol	560 U	540 U	487 U
2,4-Dimethylphenol	560 U	540 U	487 U
2,4-Dinitrophenol	355 UJ	369 UJ	309 UJ
2,4-Dinitrotoluene	560 U	540 U	487 U
2,6-Dinitrotoluene	560 U	540 U	487 U
2-Chloronaphthalene	560 U	540 U	487 U
2-Chlorophenol	560 U	540 U	487 U
2-Methylnaphthalene	**13.9**	**8**	1.29 U
2-Methylphenol	560 U	540 U	487 U
2-Nitroaniline	355 U	369 U	309 U
2-Nitrophenol	560 U	540 U	487 U
3,3'-Dichlorobenzidine	1120 U	1080 U	974 U
3-,4-Methylphenol	560 U	540 U	487 U
3-Nitroaniline	355 U	369 U	309 U
4-Bromophenyl phenyl ether	560 U	540 U	487 U
4-Chloroaniline	560 UJ	540 UJ	487 UJ
4-Nitrophenol	355 U	369 U	309 U
Acenaphthene	**28.3**	1.91 U	**2.13 J**
Acenaphthylene	**52.1**	**9.35**	1.29 U
Anthracene	**71**	**27.3**	**1.43 J**
Benzo(a)anthracene	**578**	**78.3**	**5.11**
Benzo(a)pyrene	**609**	**59.2**	**4.55**
Benzo(b)fluoranthene	**565**	**65.4**	**5.66**
Benzo(g,h,i)perylene	**289**	**38.8**	**3.15**
Benzo(k)fluoranthene	**510**	**54.3**	**5.11**
Benzoic Acid	2240 U	2160 U	1950 U
Benzyl Alcohol	560 U	540 U	487 U
Biphenyl (diphenyl)	560 U	540 U	487 U
Bis (2-chloroethoxy) methane	560 U	540 U	487 U
Bis (2-chloroethyl) ether	560 U	540 U	487 U
Bis (2-ethylhexyl) phthalate	560 U	540 U	487 U
Butyl benzylphthalate	560 U	540 U	487 U
Carbazole	560 U	540 U	487 U
Chrysene	**547**	**78.6**	**5.88**
Di-n-butylphthalate	560 U	540 U	487 U
Di-n-octylphthalate	560 U	540 U	487 U
Dibenzo (a,h) anthracene	**99**	**11**	1.29 U
Dibenzofuran	560 U	540 U	487 U
Diethyl phthalate	560 U	540 U	487 U
Dimethyl phthalate	560 U	540 U	487 U
Fluoranthene	**1070**	**162**	**8.74**
Fluorene	**31.5**	**10.4**	1.29 U
Hexachlorobenzene	560 U	540 U	487 U
Hexachlorobutadiene	560 U	540 U	487 U
Hexachlorocyclopentadiene	560 U	540 U	487 U
Hexachloroethane	560 U	540 U	487 U
Indeno (1,2,3-c,d) pyrene	**277**	**34.2**	**2.48 J**
Isophorone	560 U	540 U	487 U
n-Nitrosodiphenylamine	560 U	540 U	487 U
Naphthalene	**33.3**	**19.2**	1.29 U
Nitrobenzene	560 U	540 U	487 U
Pentachlorophenol	355 U	369 U	309 U
Phenanthrene	**236**	**69.5**	**2.13 J**
Phenol	560 U	540 U	487 U
Pyrene	**1010**	**147**	**17.4**

TABLE 3-5

Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-55	SCC-SD-56	SCC-SD-57
Sample ID	SSC-SD-50-0612	SSC-SD-51-0612	SSC-SD-52-0612	SSC-SD-54-0612	SCC-SD-55-0612	SCC-SD-56-0612	SCC-SD-57-0612
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010	11/10/2010
Volatile Organic Compunds (UG/KG)							
1,1,1-Trichloroethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,1,2,2-Tetrachloroethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,1,2-Trichloroethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,1-Dichloroethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
1,1-Dichloroethene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2,3-Trichlorobenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dibromo-3-chloropropane	2.52 U	3.01 U	2.94 U	3.24 U	2.94 U	3.54 U	2.98 U
1,2-Dibromoethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dichloroethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dichloroethene, cis-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dichloroethene, trans-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,2-Dichloropropane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,3-Dichloropropene, cis-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,3-Dichloropropene, trans-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
1,3-Dinitrobenzene	107 U	617 U	127 U	794 U	744 U	860 UJ	658 UJ
1,4-Dioxane	64.8 U	617 U	76.7 U	193 U	90.1 U	104 U	79.8 U
2-Butanone	3.15 U	3.76 U	**7.56 J**	**40.8**	**42.2**	**7.12 J**	**35.4**
2-Hexanone	3.15 U	3.76 U	3.68 U	4.06 U	3.68 U	4.43 U	3.73 U
4-Methyl-2-pentanone	3.15 U	3.76 U	3.68 U	4.06 U	3.68 U	4.43 U	3.73 U
Acetone	6.3 U	**21.8**	**26.6**	**146**	**183**	**50.3**	**129**
Benzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Bromochloromethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Bromodichloromethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Bromoform	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Bromomethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Carbon Disulfide	**4.45 J**	**1.18 J**	**2.55 J**	**4.13 J**	**5.88 J**	**0.957 J**	**1.99 J**
Carbon tetrachloride	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Chlorobenzene	0.63 U	0.753 U	0.736 U	**1.42 J**	0.735 U	0.886 U	0.746 U
Chloroethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Chloroform	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Chloromethane	2.52 U	3.01 U	2.94 U	3.24 U	2.94 U	3.54 U	2.98 U
Cyclohexane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Dibromochloromethane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Dichlorodifluoromethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Ethylbenzene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Isopropylbenzene	0.63 U	0.753 U	0.736 U	0.811 UJ	0.735 U	0.886 UJ	0.746 UJ
Methyl Acetate	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Methylcyclohexane	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Methylene chloride	1.52 U	1.51 U	1.47 U	1.62 U	**3.93 J**	1.77 U	1.49 U
Styrene	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
tert-Butyl Methyl Ether	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Tetrachloroethene	0.63 U	0.753 U	0.736 U	0.811 UJ	0.735 U	0.886 UJ	0.746 UJ
Toluene	0.63 U	0.753 U	0.736 U	0.811 UJ	**0.752 J**	0.886 UJ	0.746 UJ
Trichloroethene	0.63 U	0.753 U	0.736 U	0.811 UJ	0.735 U	0.886 UJ	0.746 UJ
Trichlorofluoromethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Trichlorotrifluoroethane	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Vinyl chloride	1.26 U	1.51 U	1.47 U	1.62 U	1.47 U	1.77 U	1.49 U
Xylene, m,p-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Xylene, o-	0.63 U	0.753 U	0.736 U	0.811 U	0.735 U	0.886 U	0.746 U
Other Parameters (MG/KG)							
Total Organic Carbon	**1490**	**19000**	**12100**	**39800**	**21100**	**41900**	**14100**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-5

Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-58	SCC-SD-59	SCC-SD-60	SCC-SD-62	SCC-SD-63	SCC-SD-64	SCC-SD-65	SCC-SD-66
Sample ID	SCC-SD-58-0612	SCC-SD-59-0612	SCC-SD-60-0611	SCC-SD-62-0612	SCC-SD-63-0612	SCC-SD-64-0612	SCC-SD-65-0612	SCC-SD-66-0612
Sample Date	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/11/2010
Volatile Organic Compunds (UG/KG)								
1,1,1-Trichloroethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,1,2,2-Tetrachloroethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,1,2-Trichloroethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,1-Dichloroethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
1,1-Dichloroethene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2,3-Trichlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dibromo-3-chloropropane	3.47 U	2.26 UJ	3.12 U	3.26 U	2.76 U	2.65 U	3 U	2.82 U
1,2-Dibromoethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dichloroethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dichloroethene, cis-	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dichloroethene, trans-	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,2-Dichloropropane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,3-Dichloropropene, cis-	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,3-Dichloropropene, trans-	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
1,3-Dinitrobenzene	747 U	595 U	128 U	650 U	597 U	643 U	1390 UJ	682 U
1,4-Dioxane	90.6 U	72.1 U	77.6 U	78.8 U	362 U	390 U	87.6 U	413 U
2-Butanone	**8.47 J**	**24 J**	3.9 U	**20.7**	**36.4**	**3.97 J**	**20.4**	**15.3**
2-Hexanone	4.34 U	2.83 UJ	3.9 U	4.07 U	3.45 U	3.31 U	3.75 U	3.52 U
4-Methyl-2-pentanone	4.34 U	2.83 UJ	3.9 U	4.07 U	3.45 U	3.31 U	3.75 U	3.52 U
Acetone	**49.4**	**96.9 J**	**14.7 J**	**92.2**	**101**	**10.5 J**	**65.8**	**58.4**
Benzene	0.869 U	0.565 UJ	0.78 U	0.815 U	**0.94 J**	0.661 U	**1.32 J**	0.704 U
Bromochloromethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Bromodichloromethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Bromoform	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Bromomethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Carbon Disulfide	**1.48 J**	**2.6 J**	0.78 U	**1.22 J**	**3.02 J**	**1.63 J**	**3.24 J**	**1.95 J**
Carbon tetrachloride	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Chlorobenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	**0.882 J**	0.661 U	**0.915 J**	0.704 U
Chloroethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Chloroform	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Chloromethane	3.47 U	2.26 UJ	3.12 U	3.26 U	2.76 U	2.65 U	3 U	2.82 U
Cyclohexane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Dibromochloromethane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Dichlorodifluoromethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Ethylbenzene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Isopropylbenzene	0.869 U	0.565 UJ	0.78 U	0.815 UJ	0.689 U	0.661 U	0.75 U	0.704 U
Methyl Acetate	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 UJ	1.32 U	1.5 UJ	1.41 U
Methylcyclohexane	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Methylene chloride	1.74 U	**1.98 J**	**1.75 J**	**4.5 J**	**2.64 J**	**1.74 J**	**3.2 J**	1.41 U
Styrene	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
tert-Butyl Methyl Ether	0.869 U	0.565 UJ	0.78 U	0.815 U	0.689 U	0.661 U	0.75 U	0.704 U
Tetrachloroethene	0.869 U	0.565 UJ	0.78 U	0.815 UJ	0.689 U	0.661 U	0.75 U	0.704 U
Toluene	**0.912 J**	0.565 UJ	**0.857 J**	0.815 UJ	**114**	**12.2**	**180**	**9.67**
Trichloroethene	0.869 U	0.565 UJ	0.78 U	0.815 UJ	0.689 U	0.661 U	0.75 U	0.704 U
Trichlorofluoromethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Trichlorotrifluoroethane	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Vinyl chloride	1.74 U	1.13 UJ	1.56 U	1.63 U	1.38 U	1.32 U	1.5 U	1.41 U
Xylene, m,p-	0.869 U	0.565 UJ	0.78 U	0.815 U	**1.17 J**	0.661 U	**2.32 J**	0.704 U
Xylene, o-	0.869 U	0.565 UJ	0.78 U	0.815 U	**0.848 J**	0.661 U	**1.13 J**	0.704 U
Other Parameters (MG/KG)								
Total Organic Carbon	**21800**	**14700**	**25600**	**19500**	**28000**	**39800**	**25600**	NA

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-5
Subsurface Sediment Analytical Results (6 to 12-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-67	SCC-SD-68	SCC-SD-69
Sample ID	SCC-SD-67-0612	SCC-SD-68-0612	SCC-SD-69-0609
Sample Date	11/12/2010	11/12/2010	11/12/2010
Volatile Organic Compunds (UG/KG)			
1,1,1-Trichloroethane	0.593 U	0.731 U	0.579 U
1,1,2,2-Tetrachloroethane	0.593 U	0.731 U	0.579 U
1,1,2-Trichloroethane	0.593 U	0.731 U	0.579 U
1,1-Dichloroethane	1.19 U	1.46 U	1.16 U
1,1-Dichloroethene	0.593 U	0.731 U	0.579 U
1,2,3-Trichlorobenzene	0.593 U	0.731 U	0.579 U
1,2-Dibromo-3-chloropropane	2.37 U	2.92 U	2.32 U
1,2-Dibromoethane	0.593 U	0.731 U	0.579 U
1,2-Dichloroethane	0.593 U	0.731 U	0.579 U
1,2-Dichloroethene, cis-	0.593 U	0.731 U	0.579 U
1,2-Dichloroethene, trans-	0.593 U	0.731 U	0.579 U
1,2-Dichloropropane	0.593 U	0.731 U	0.579 U
1,3-Dichloropropene, cis-	0.593 U	0.731 U	0.579 U
1,3-Dichloropropene, trans-	0.593 U	0.731 U	0.579 U
1,3-Dinitrobenzene	560 U	540 U	487 U
1,4-Dioxane	339 U	327 U	295 U
2-Butanone	**5.38 J**	**6.75 J**	**3.83 J**
2-Hexanone	2.96 U	3.65 U	2.89 U
4-Methyl-2-pentanone	2.96 U	3.65 U	2.89 U
Acetone	**19.7**	30.4 U	14.5 U
Benzene	0.593 U	0.731 U	0.579 U
Bromochloromethane	0.593 U	0.731 U	0.579 U
Bromodichloromethane	0.593 U	0.731 U	0.579 U
Bromoform	0.593 U	0.731 U	0.579 U
Bromomethane	1.19 U	1.46 U	1.16 U
Carbon Disulfide	**1.92 J**	**3.72 J**	**1.35 J**
Carbon tetrachloride	0.593 U	0.731 U	0.579 U
Chlorobenzene	0.593 U	0.731 U	0.579 U
Chloroethane	1.19 U	1.46 U	1.16 U
Chloroform	0.593 U	0.731 U	0.579 U
Chloromethane	2.37 U	2.92 U	2.32 U
Cyclohexane	1.19 U	1.46 U	1.16 U
Dibromochloromethane	0.593 U	0.731 U	0.579 U
Dichlorodifluoromethane	1.19 UJ	1.46 UJ	**1.22 J**
Ethylbenzene	0.593 U	0.731 U	0.579 U
Isopropylbenzene	0.593 U	0.731 U	0.579 U
Methyl Acetate	1.19 U	1.46 U	1.16 U
Methylcyclohexane	0.593 U	0.731 U	0.579 U
Methylene chloride	**1.41 J**	1.46 U	**1.59 J**
Styrene	0.593 U	0.731 U	0.579 U
tert-Butyl Methyl Ether	0.593 U	0.731 U	0.579 U
Tetrachloroethene	0.593 U	0.731 U	0.579 U
Toluene	**2.67 J**	**11.5**	**4.92 J**
Trichloroethene	0.593 U	0.731 U	0.579 U
Trichlorofluoromethane	1.19 U	1.46 U	1.16 U
Trichlorotrifluoroethane	1.19 U	1.46 U	1.16 U
Vinyl chloride	1.19 U	1.46 U	1.16 U
Xylene, m,p-	0.593 U	0.731 U	0.579 U
Xylene, o-	0.593 U	0.731 U	0.579 U
Other Parameters (MG/KG)			
Total Organic Carbon	**9420**	**28600**	**20500**

Notes:

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-6
Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-50	SCC-SD-51		SCC-SD-52	SCC-SD-54	SCC-SD-55
Sample ID	SSC-SD-50-1224	DUP-SSC-SD-51-1224	SSC-SD-51-1224	SSC-SD-52-1224	SSC-SD-54-1224	SCC-SD-55-1224
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**1800**	**13100**	**8240**	**2810**	**3120**	**3840**
Antimony	0.435 U	0.534 U	0.479 U	0.5 U	0.496 U	0.719 U
Arsenic	**2.22**	**1.45 J**	**2.19**	**2.33**	**4.39**	**3.16**
Barium	**9.46**	**78.5**	**55.4**	**32.5**	**58.1**	**29.7**
Beryllium	**0.0591 J**	**0.519 J**	**0.353 J**	**0.168 J**	**0.181 J**	**0.211 J**
Cadmium	0.294 U	0.339 U	0.341 U	**0.656 J**	**3.58**	0.47 U
Calcium	**34600**	**7080 J**	**16300 J**	**13700**	**29100**	**62300**
Chromium	**3.03**	**14.6**	**10.2**	**7.45**	**14.5**	**6.44**
Cobalt	**2.03**	**6.62**	**4.88**	**3.72**	**3.35**	**5.91**
Copper	**5.05**	**13.8**	**9.09**	**47.6**	**54.8**	**33.1**
Iron	**6800**	**15900**	**12300**	**7540**	**8200**	**12600**
Lead	**3.5**	**12.4**	**8.37**	**27.7**	**49.9**	**21.2**
Magnesium	**11900**	**4920**	**6850**	**5610**	**11200**	**16500**
Manganese	**207**	**148**	**170**	**86.9**	**151**	**249**
Mercury	0.117 U	**0.0216 J**	**0.0315 J**	**0.472**	**0.818**	**0.192**
Nickel	**4.2**	**15.3**	**11.4**	**8.8**	**7.48**	**10.8**
Potassium	**325**	**1730 J**	**1030 J**	**358**	**462**	**400**
Selenium	0.588 U	1.36 U	1.37 U	0.712 U	**1.31 J**	0.94 U
Silver	**0.23 J**	**0.394 J**	**0.286 J**	**0.6**	**0.437 J**	0.359 U
Sodium	**69.1**	**193**	**155**	**141**	**220**	**131**
Thallium	0.87 U	1.07 U	0.959 U	1 U	0.992 U	1.44 U
Vanadium	**6.83**	**24.4**	**17.5**	**9.49**	**8.67**	**14.2**
Zinc	**20.8**	**43.7**	**33.5**	**733**	**670**	**283**
Pesticide/Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1221	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1232	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1242	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1248	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1254	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Aroclor-1260	19.9 U	23.9 U	24.2 U	32.1 U	25.3 U	16.1 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
1,2-Dichlorobenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
1,3,5-Trinitrobenzene	114 U	134 U	128 U	136 U	137 U	938 U
1,3-Dichlorobenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
1,4-Dichlorobenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
2,4,5-Trichlorophenol	114 U	134 U	128 U	136 U	137 U	938 U
2,4,6-Trichlorophenol	114 U	134 U	128 U	136 U	137 U	938 U
2,4-Dichlorophenol	114 U	134 U	128 U	136 U	137 U	938 U
2,4-Dimethylphenol	114 U	134 U	128 U	136 U	137 U	938 U
2,4-Dinitrophenol	71.5 UJ	164 UJ	153 UJ	340 U	395 U	570 U
2,4-Dinitrotoluene	114 U	134 U	128 U	136 U	137 U	938 U
2,6-Dinitrotoluene	**114 R**	**134 R**	**128 R**	136 U	137 U	938 UJ
2-Chloronaphthalene	114 U	134 U	128 U	136 U	137 U	938 UJ
2-Chlorophenol	114 U	134 U	128 U	136 U	137 U	938 UJ
2-Methylnaphthalene	2.97 U	3.37 U	3.8 U	**18.5**	137 U	**16.8**
2-Methylphenol	114 U	134 U	128 U	136 U	137 U	938 U
2-Nitroaniline	71.5 U	164 U	153 U	340 U	395 U	570 U
2-Nitrophenol	114 U	134 U	128 U	136 U	137 U	938 U
3,3'-Dichlorobenzidine	227 UJ	268 UJ	256 UJ	271 UJ	274 UJ	1880 U
3-,4-Methylphenol	114 U	134 U	128 U	136 U	137 U	938 U
3-Nitroaniline	71.5 U	164 U	153 U	340 U	395 U	570 U
4-Bromophenyl phenyl ether	114 U	134 U	128 U	136 U	137 U	938 U
4-Chloroaniline	114 UJ	134 UJ	128 UJ	136 UJ	137 UJ	938 UJ
4-Nitrophenol	71.5 UJ	164 UJ	153 UJ	340 U	395 U	570 U
Acenaphthene	2.97 U	3.37 U	3.8 U	**69.2**	137 U	**153**
Acenaphthylene	2.97 U	3.37 U	3.8 U	**25.6**	**35.2**	**15.8**
Anthracene	2.97 U	3.37 U	3.8 U	**221 J**	**84**	**266**
Benzo(a)anthracene	2.97 U	3.37 U	3.8 U	**791**	**647**	**577**
Benzo(a)pyrene	2.97 U	3.37 UJ	**44.9 J**	**686**	**568**	**481**
Benzo(b)fluoranthene	2.97 U	3.37 U	3.8 U	**574**	**400**	**437**
Benzo(g,h,i)perylene	2.97 U	3.37 U	3.8 U	**457**	**432**	**266**
Benzo(k)fluoranthene	2.97 U	3.37 U	3.8 U	**604**	**428**	**407**
Benzoic Acid	454 U	536 U	512 U	543 UJ	548 UJ	3750 UJ
Benzyl Alcohol	114 U	134 U	128 U	136 U	137 U	938 U
Biphenyl (diphenyl)	114 U	134 U	128 U	136 U	137 U	938 U
Bis (2-chloroethoxy) methane	**114 R**	**134 R**	**128 R**	136 U	137 U	938 UJ
Bis (2-chloroethyl) ether	114 U	134 U	128 U	136 U	137 U	938 U
Bis (2-ethylhexyl) phthalate	114 U	134 U	128 U	136 U	137 U	938 U
Butyl benzylphthalate	114 U	134 U	128 U	136 U	137 U	938 U
Carbazole	114 U	134 U	128 U	**152 J**	137 U	938 U
Chrysene	2.97 U	134 U	3.8 U	**810**	**680**	**503**
Di-n-butylphthalate	114 U	134 U	128 U	136 U	137 U	938 U
Di-n-octylphthalate	114 U	134 U	128 U	136 U	137 U	938 U
Dibenzo (a,h) anthracene	2.97 U	3.37 U	3.8 U	**395**	**376**	**72.6**
Dibenzofuran	114 U	134 U	128 U	136 U	137 U	938 U
Diethyl phthalate	114 U	134 U	128 U	136 U	137 U	938 U
Dimethyl phthalate	114 U	134 U	128 U	136 U	137 U	938 U
Fluoranthene	2.97 U	**3.58**	**3.22 J**	**472**	**477**	**1290**
Fluorene	2.97 U	3.37 U	3.8 U	**89.5**	**23.5**	**136**
Hexachlorobenzene	114 U	134 U	128 U	136 U	137 U	938 U
Hexachlorobutadiene	114 U	134 U	128 U	136 U	137 U	938 U
Hexachlorocyclopentadiene	114 UJ	134 UJ	128 UJ	136 U	137 U	938 UJ
Hexachloroethane	114 U	134 U	128 U	136 U	137 U	938 U
Indeno (1,2,3-c,d) pyrene	2.97 U	3.37 U	3.8 U	**553**	**518**	**252**
Isophorone	114 U	134 U	128 U	136 U	137 U	938 U
n-Nitrosodiphenylamine	**114 R**	**134 R**	**128 R**	136 U	137 U	938 UJ
Naphthalene	2.97 U	3.37 U	**3.18 J**	**27.7**	**29.2**	**37.5**
Nitrobenzene	114 U	134 U	128 U	136 U	137 U	938 U
Pentachlorophenol	71.5 UJ	164 UJ	153 UJ	340 U	395 U	570 U
Phenanthrene	2.97 U	134 U	**2.16 J**	**339**	**643**	**990**
Phenol	114 U	134 U	128 U	136 U	137 U	938 U
Pyrene	2.97 U	**3.3 J**	**2.25 J**	**343**	**299**	**1040**

TABLE 3-6
Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-50	SCC-SD-51		SCC-SD-52	SCC-SD-54	SCC-SD-55
Sample ID	SSC-SD-50-1224	DUP-SSC-SD-51-1224	SSC-SD-51-1224	SSC-SD-52-1224	SSC-SD-54-1224	SCC-SD-55-1224
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010
Volatile Organic Compunds (UG/KG)						
1,1,1-Trichloroethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,1,2,2-Tetrachloroethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
1,1,2-Trichloroethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,1-Dichloroethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
1,1-Dichloroethene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,2,3-Trichlorobenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 UJ
1,2-Dibromo-3-chloropropane	2.44 U	2.79 U	2.69 U	2.86 U	3.1 U	3.97 U
1,2-Dibromoethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,2-Dichloroethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,2-Dichloroethene, cis-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,2-Dichloroethene, trans-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,2-Dichloropropane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,3-Dichloropropene, cis-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,3-Dichloropropene, trans-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
1,3-Dinitrobenzene	114 U	134 U	128 U	136 U	137 U	938 U
1,4-Dioxane	68.8 U	134 U	77.6 U	82.2 U	83.1 U	114 U
2-Butanone	3.05 U	**26.4**	**16.7**	**14.8**	**21.4**	**59.9**
2-Hexanone	3.05 U	3.49 U	3.36 U	3.57 U	3.87 U	4.96 U
4-Methyl-2-pentanone	3.05 U	3.49 U	3.36 U	3.57 U	3.87 U	4.96 U
Acetone	6.1 U	**104**	**70.3**	**54**	**73**	**238**
Benzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Bromochloromethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Bromodichloromethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Bromoform	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Bromomethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Carbon Disulfide	**3.32 J**	0.697 U	**1.04 J**	**2.7 J**	**3.05 J**	**4.49 J**
Carbon tetrachloride	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Chlorobenzene	0.61 U	0.697 U	0.672 U	**4.24 J**	0.774 U	0.992 U
Chloroethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Chloroform	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Chloromethane	2.44 U	2.79 U	2.69 U	2.86 U	3.1 U	3.97 U
Cyclohexane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Dibromochloromethane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Dichlorodifluoromethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Ethylbenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Isopropylbenzene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Methyl Acetate	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Methylcyclohexane	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Methylene chloride	2.89 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Styrene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
tert-Butyl Methyl Ether	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Tetrachloroethene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Toluene	0.61 U	0.697 U	0.672 U	**0.993 J**	0.774 U	0.992 U
Trichloroethene	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Trichlorofluoromethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Trichlorotrifluoroethane	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Vinyl chloride	1.22 U	1.39 U	1.34 U	1.43 U	1.55 U	1.98 U
Xylene, m,p-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Xylene, o-	0.61 U	0.697 U	0.672 U	0.714 U	0.774 U	0.992 U
Other Parameters (MG/KG)						
Total Organic Carbon	**1460**	NA	**18900**	**28600**	**43500**	**21600**

Notes:
NA = Not analyzed

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-6

Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-57		SCC-SD-58	SCC-SD-59	SCC-SD-62	SCC-SD-63	
Sample ID	DUP-SCC-SD-57-1224	SCC-SD-57-1224	SCC-SD-58-1224	SCC-SD-59-1224	SCC-SD-62-1223	DUP-SCC-SD-63-1224	SCC-SD-63-1224
Sample Date	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010
Chemical Name							
Inorganics (MG/KG)							
Aluminum	**3460**	**4200**	**10300 J**	**3940**	**4020**	**1510**	**1590**
Antimony	0.532 U	0.588 U	0.476 U	0.437 U	0.436 U	0.472 U	0.396 U
Arsenic	**3.55**	**4.45**	**4.3**	**2.35**	**2.41**	**2.26**	**1.93**
Barium	**36**	**45.5**	**83.2**	**50.7**	**30.7**	**24.7**	**24.4**
Beryllium	**0.208 J**	**0.209 J**	**0.453 J**	**0.187 J**	**0.214 J**	**0.103 J**	**0.0965 J**
Cadmium	**0.478 J**	**0.64 J**	0.329 U	**0.846**	0.287 U	**2.8**	**2.56**
Calcium	**22800**	**18700**	**63400**	**25800**	**68800**	**30200**	**37600**
Chromium	**5.93**	**7.24**	**12.6**	**8.35**	**4.99**	**7.38**	**7.74**
Cobalt	**4.33**	**4.56**	**8.6**	**4.02**	**5.2**	**2.24**	**2.26**
Copper	**56.3 J**	**23.3 J**	**19.3**	**36.7**	**11.1**	**11.8**	**12.5**
Iron	**14500**	**20000**	**20500**	**10000**	**11200**	**4850**	**4480**
Lead	**22.5**	**23.8**	**9.31**	**128**	**5.08**	**22.9**	**21**
Magnesium	**7440**	**5810**	**19000**	**8830**	**17000**	**10500**	**9620**
Manganese	**165**	**185**	**478**	**197**	**342**	**138**	**145**
Mercury	**0.149**	**0.173**	**0.0187 J**	**0.525**	**0.0191 J**	**0.108 J**	**0.0613 J**
Nickel	**9.7**	**10.7**	**20.3**	**9.02**	**10.8**	**4.56**	**4.38**
Potassium	**359**	**486**	**1690**	**577**	**673**	**227**	**215**
Selenium	0.743 U	0.742 U	0.659 U	0.544 U	0.574 U	0.628 U	0.556 U
Silver	0.266 U	0.294 U	**0.27 J**	**0.491**	0.218 U	0.236 U	0.198 U
Sodium	**146**	**151**	**281**	**144**	**129**	**138**	**130**
Thallium	1.06 U	1.18 U	0.952 U	0.875 U	0.872 U	0.944 U	0.791 U
Vanadium	**18.5**	**28**	**18.2**	**11.5**	**9.25**	**5.01**	**4.79**
Zinc	**411 J**	**794 J**	**43.9 J**	**184**	**39.6**	**239**	**260**
Pesticide/Polychlorinated Biphenyls (UG/KG)							
Aroclor-1016	12.9 U	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Aroclor-1221	12.9 U	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Aroclor-1232	12.9 U	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Aroclor-1242	12.9 U	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Aroclor-1248	12.9 U	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Aroclor-1254	**22.9 J**	**83.5 J**	13.3 U	**13.6 J**	8.92 U	11.6 U	11.4 U
Aroclor-1260	**24.4 J**	14.8 U	13.3 U	11.2 U	8.92 U	11.6 U	11.4 U
Semivolatile Organic Compounds (UG/KG)							
1,2,4-Trichlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dichlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,3,5-Trinitrobenzene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
1,3-Dichlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,4-Dichlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
2,4,5-Trichlorophenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2,4,6-Trichlorophenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2,4-Dichlorophenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2,4-Dimethylphenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2,4-Dinitrophenol	433 UJ	443 UJ	398 UJ	300 U	330 U	341 U	295 U
2,4-Dinitrotoluene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2,6-Dinitrotoluene	740 U	731 UJ	122 U	537 U	567 UJ	599 U	458 U
2-Chloronaphthalene	740 U	731 UJ	122 U	537 U	567 UJ	599 U	458 U
2-Chlorophenol	740 U	731 UJ	122 U	537 U	567 UJ	599 U	458 U
2-Methylnaphthalene	**47 J**	2.29 UJ	1.9 U	**76**	1.56 U	599 U	**3.52**
2-Methylphenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
2-Nitroaniline	433 UJ	443 UJ	398 U	300 U	330 U	341 U	295 U
2-Nitrophenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
3,3'-Dichlorobenzidine	1480 UJ	1460 UJ	245 UJ	1070 UJ	1130 U	1200 U	915 U
3-,4-Methylphenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
3-Nitroaniline	433 UJ	443 UJ	398 U	300 U	330 U	341 U	295 U
4-Bromophenyl phenyl ether	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
4-Chloroaniline	740 UJ	731 UJ	122 UJ	537 UJ	567 UJ	599 UJ	458 UJ
4-Nitrophenol	433 U	443 U	398 U	300 U	330 U	341 U	295 U
Acenaphthene	**108 J**	**7.87 J**	1.9 U	**317**	**15.9**	599 U	**5.59**
Acenaphthylene	**22.4 J**	**7.73 J**	1.9 U	**28.8**	1.56 U	599 U	**2.84 J**
Anthracene	**204 J**	**18.3 J**	1.9 U	**509**	**1.79 J**	599 U	**18.9**
Benzo(a)anthracene	**550 J**	**59 J**	**1.93 J**	**970**	**4.23**	599 U	**58.4 J**
Benzo(a)pyrene	**388 J**	**44 J**	1.9 U	**803**	**2.83 J**	599 U	**46.4**
Benzo(b)fluoranthene	**407 J**	**48.5 J**	**2.14 J**	**756**	**4.28**	599 U	**41.8**
Benzo(g,h,i)perylene	**182 J**	**25.7 J**	1.9 U	**351**	**2.64 J**	599 U	**26.8**
Benzo(k)fluoranthene	**373 J**	**46.7 J**	**2.15 J**	**761**	**3.05 J**	599 U	**43.6**
Benzoic Acid	2960 U	2920 UJ	489 U	2150 U	2270 UJ	2400 U	1830 U
Benzyl Alcohol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Biphenyl (diphenyl)	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Bis (2-chloroethoxy) methane	740 U	731 UJ	122 U	537 U	567 UJ	599 U	458 U
Bis (2-chloroethyl) ether	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Bis (2-ethylhexyl) phthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Butyl benzylphthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Carbazole	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Chrysene	**538 J**	**62.2 J**	**4.61**	**857**	**5.55**	599 U	**55.7**
Di-n-butylphthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Di-n-octylphthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Dibenzo (a,h) anthracene	**68.1 J**	**8.27 J**	1.9 U	**125**	1.56 U	599 U	**7.73**
Dibenzofuran	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Diethyl phthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Dimethyl phthalate	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Fluoranthene	**1500 J**	**131 J**	**4.65**	**2040**	**14.8**	**78.7**	**131**
Fluorene	**104 J**	**9.09 J**	1.9 U	**280**	**1.78 J**	**6.67**	**8.62**
Hexachlorobenzene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Hexachlorobutadiene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Hexachlorocyclopentadiene	740 UJ	731 UJ	122 UJ	537 UJ	567 UJ	599 U	458 U
Hexachloroethane	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Indeno (1,2,3-c,d) pyrene	**191 J**	**24 J**	1.9 U	**362**	**2.14 J**	599 U	**24.1**
Isophorone	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
n-Nitrosodiphenylamine	740 U	731 UJ	122 U	537 U	567 UJ	599 U	458 U
Naphthalene	**133 J**	**3.38 J**	1.9 U	**174**	3.31 U	**8.41**	**6.52**
Nitrobenzene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Pentachlorophenol	433 U	443 U	398 U	300 U	330 U	341 U	295 U
Phenanthrene	**1320 J**	**52.8 J**	**5.2**	**1960**	**3.64**	599 U	**84.4 J**
Phenol	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
Pyrene	**1190 J**	**105 J**	**4.42**	**1570**	**14.5**	**60.3**	**91.4**

TABLE 3-6
Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-57		SCC-SD-58	SCC-SD-59	SCC-SD-62	SCC-SD-63	
Sample ID	DUP-SCC-SD-57-1224	SCC-SD-57-1224	SCC-SD-58-1224	SCC-SD-59-1224	SCC-SD-62-1223	DUP-SCC-SD-63-1224	SCC-SD-63-1224
Sample Date	11/10/2010	11/10/2010	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010
Volatile Organic Compunds (UG/KG)							
1,1,1-Trichloroethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,1,2,2-Tetrachloroethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,1,2-Trichloroethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,1-Dichloroethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
1,1-Dichloroethene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2,3-Trichlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dibromo-3-chloropropane	2.98 U	3.07 U	2.85 U	2.29 U	2.27 U	2.41 U	2.18 U
1,2-Dibromoethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dichloroethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dichloroethene, cis-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dichloroethene, trans-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,2-Dichloropropane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,3-Dichloropropene, cis-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,3-Dichloropropene, trans-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
1,3-Dinitrobenzene	740 U	731 UJ	122 U	537 U	567 U	599 U	458 U
1,4-Dioxane	89.7 U	86.3 U	74.1 U	65.1 U	68.8 U	363 U	277 U
2-Butanone	**22.3**	**19.5**	**5.61 J**	**22.4**	**4.31 J**	**7.03 J**	**11.7**
2-Hexanone	3.72 U	3.83 U	3.56 U	2.86 U	2.84 U	3.02 U	2.72 U
4-Methyl-2-pentanone	3.72 U	3.83 U	3.56 U	2.86 U	2.84 U	3.02 U	2.72 U
Acetone	**98**	**90.9**	**44.5**	**95.2**	**23.7**	**22.6**	**26**
Benzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Bromochloromethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Bromodichloromethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Bromoform	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Bromomethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Carbon Disulfide	**2.16 J**	**4.16 J**	**1.07 J**	**2.56 J**	**0.811 J**	0.604 U	**0.987 J**
Carbon tetrachloride	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Chlorobenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Chloroethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Chloroform	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Chloromethane	2.98 U	3.07 U	2.85 U	2.29 U	2.27 U	2.41 U	2.18 U
Cyclohexane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Dibromochloromethane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Dichlorodifluoromethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Ethylbenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Isopropylbenzene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 UJ	0.604 U	0.544 U
Methyl Acetate	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 UJ
Methylcyclohexane	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Methylene chloride	**7.47**	**7.28 J**	**2.17 J**	**3.65 J**	1.14 U	**1.94 J**	**2.26 J**
Styrene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
tert-Butyl Methyl Ether	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Tetrachloroethene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 UJ	0.604 U	0.544 U
Toluene	0.745 U	0.766 U	0.713 U	**0.838 J**	0.569 UJ	**3.05 J**	**29.9 J**
Trichloroethene	0.745 U	0.766 U	0.713 U	0.572 U	0.569 UJ	0.604 U	0.544 U
Trichlorofluoromethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Trichlorotrifluoroethane	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Vinyl chloride	1.49 U	1.53 U	1.43 U	1.14 U	1.14 U	1.21 U	1.09 U
Xylene, m,p-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Xylene, o-	0.745 U	0.766 U	0.713 U	0.572 U	0.569 U	0.604 U	0.544 U
Other Parameters (MG/KG)							
Total Organic Carbon	NA	**17600**	**16400**	**20200**	**12900**	NA	**19200**

Notes:
NA = Not analyzed

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-6

Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-64	SCC-SD-65	SCC-SD-66		SCC-SD-67	SCC-SD-68	
Sample ID	SCC-SD-64-1224	SCC-SD-65-1224	DUP-SCC-SD-66-1224	SCC-SD-66-1224	SCC-SD-67-1224	DUP-SCC-SD-68-1220	SCC-SD-68-1220
Sample Date	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/12/2010	11/12/2010	11/12/2010
Chemical Name							
Inorganics (MG/KG)							
Aluminum	**3000**	**2460**	**1820**	**2000**	**1900**	**4100 J**	**2880 J**
Antimony	**0.663 J**	0.524 U	0.456 U	**0.946 J**	0.423 U	0.512 U	0.485 U
Arsenic	**3.08**	**2.01 J**	**1.68 J**	**1.8 J**	**2.29**	**3.19**	**3.13**
Barium	**28.8**	**32.7**	**19.9**	**21.1**	**20.9**	**33.5**	**30.1**
Beryllium	**0.173 J**	**0.156 J**	**0.083 J**	**0.114 J**	**0.0779 J**	**0.157 J**	**0.163 J**
Cadmium	**0.602 J**	**0.808**	**0.403 J**	**0.358 J**	**2.23 J**	0.344 U	0.323 U
Calcium	**33300**	**9860**	**9810**	**11600**	**37600**	**40200**	**30500**
Chromium	**9.68**	**8.77**	**3.8**	**4.47**	**6.18**	**8.27**	**7.61**
Cobalt	**5.83 J**	**3.27**	**2.58**	**2.89**	**2.58**	**3.82**	**3.76**
Copper	**21.8 J**	**34.7**	**13.2**	**16.8**	**8.41**	**19.2**	**19**
Iron	**10700**	**6300**	**5560**	**5980**	**6910**	**10100**	**8730**
Lead	**17.1 J**	**27.8**	**15.1**	**20.8**	**17.8 J**	**22.3**	**22.2**
Magnesium	**9750**	**3700**	**3880**	**4470**	**14300 J**	**11200**	**9690**
Manganese	**225**	**76.2**	**72.1**	**79.2**	**229 J**	**169**	**147**
Mercury	**0.142**	**1.1**	**4.86 J**	**0.206 J**	**0.0505 J**	**0.117 J**	**0.136**
Nickel	**11.8**	**6.38**	**5.14**	**5.74**	**5.54**	**9.21**	**8.35**
Potassium	**442 J**	**250**	**228**	**239**	**369**	**842 J**	**382 J**
Selenium	0.611 U	0.747 U	0.649 U	0.648 U	0.595 U	0.688 U	0.647 U
Silver	0.244 U	0.262 U	**0.369 J**	**0.289 J**	**0.273 J**	**0.514**	0.242 U
Sodium	**176**	**119**	**121**	**127**	**115**	**223**	**193**
Thallium	0.976 U	1.05 U	0.912 U	0.928 U	0.846 U	1.02 U	0.97 U
Vanadium	**7.78**	**6.41**	**6.74**	**7.18**	**6.99**	**10.8**	**7.54**
Zinc	**126**	**229**	**180**	**200**	**133 J**	**53**	**49.7**
Pesticide/Polychlorinated Biphenyls (UG/KG)							
Aroclor-1016	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1221	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1232	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1242	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1248	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1254	12.3 U	14 U	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Aroclor-1260	12.3 U	**14.5 J**	11.8 U	13.2 U	10.3 U	13.1 U	12.1 U
Semivolatile Organic Compounds (UG/KG)							
1,2,4-Trichlorobenzene	0.674 UJ	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dichlorobenzene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,3,5-Trinitrobenzene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
1,3-Dichlorobenzene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,4-Dichlorobenzene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
2,4,5-Trichlorophenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2,4,6-Trichlorophenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2,4-Dichlorophenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2,4-Dimethylphenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2,4-Dinitrophenol	381 UJ	392 U	329 UJ	388 U	327 U	383 UJ	361 UJ
2,4-Dinitrotoluene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2,6-Dinitrotoluene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2-Chloronaphthalene	557 U	664 UJ	638 U	656 UJ	115 UJ	629 U	643 U
2-Chlorophenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2-Methylnaphthalene	**6.18**	**4.85**	638 U	**6.75**	**3.03 J**	**9.94**	**8.64**
2-Methylphenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
2-Nitroaniline	381 U	392 U	329 U	388 U	327 U	383 U	361 U
2-Nitrophenol	557 UJ	664 UJ	638 U	656 U	115 UJ	629 U	643 U
3,3'-Dichlorobenzidine	1110 U	1330 UJ	1280 U	1310 U	230 UJ	1260 U	1290 U
3-,4-Methylphenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
3-Nitroaniline	381 U	392 U	329 U	388 U	327 U	383 U	361 U
4-Bromophenyl phenyl ether	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
4-Chloroaniline	557 UJ	664 UJ	638 UJ	656 U	115 UJ	629 UJ	643 UJ
4-Nitrophenol	381 U	392 U	329 U	388 U	327 U	383 U	361 U
Acenaphthene	**18.1 J**	**9.33**	638 U	**10.2**	**2.9 J**	**4.85**	**5.58**
Acenaphthylene	**7.72 J**	**19.1**	638 U	**5.44**	**2.17 J**	**9.91**	**12.8**
Anthracene	**30.7 J**	**42.5**	638 U	**29.1**	**11.3**	**22.6**	**29.3**
Benzo(a)anthracene	**66.2 J**	**143**	**69.5**	**104**	**26.1**	**64.9**	**70.8**
Benzo(a)pyrene	**51.8 J**	**125**	638 U	**89**	**21**	**55**	**57.9**
Benzo(b)fluoranthene	**47.9**	**123**	638 U	**97.7 J**	**21.5**	**58.9**	**64.8**
Benzo(g,h,i)perylene	**29.9**	**73.2**	638 U	**56.7**	**13.6**	**34.2**	**32.1**
Benzo(k)fluoranthene	**55.2**	**111**	**65.2**	**79.7**	**17.9**	**53.9**	**56**
Benzoic Acid	2230 U	2650 UJ	2550 U	2630 UJ	460 UJ	2520 U	2570 U
Benzyl Alcohol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Biphenyl (diphenyl)	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Bis (2-chloroethoxy) methane	557 U	664 UJ	638 U	656 UJ	115 UJ	629 U	643 U
Bis (2-chloroethyl) ether	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Bis (2-ethylhexyl) phthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Butyl benzylphthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Carbazole	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Chrysene	**69.1 J**	**142**	**76.3**	**118**	**25.3**	**75.2**	**83.2**
Di-n-butylphthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Di-n-octylphthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Dibenzo (a,h) anthracene	**9.24**	**20**	638 U	**15.4**	**3.63**	**10.2**	**9.97**
Dibenzofuran	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Diethyl phthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Dimethyl phthalate	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Fluoranthene	**147 J**	**299**	638 U	**218**	**53**	**110**	**147**
Fluorene	**17.1**	**16.5**	638 U	**14.1**	**6.47**	**9.7**	**12.5**
Hexachlorobenzene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Hexachlorobutadiene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Hexachlorocyclopentadiene	**557 R**	664 UJ	638 U	656 UJ	115 UJ	629 U	643 U
Hexachloroethane	557 UJ	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Indeno (1,2,3-c,d) pyrene	**28.2**	**68.7**	638 U	**51.3**	**12**	**31.1**	**30.8**
Isophorone	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
n-Nitrosodiphenylamine	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Naphthalene	**16.7**	5.9 U	638 U	**9.02**	4.83 U	**22.5**	**18.3**
Nitrobenzene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Pentachlorophenol	381 U	392 U	329 U	388 U	327 U	383 U	361 U
Phenanthrene	**101 J**	**193**	**83.4**	**130**	**42.7**	**48.4**	**78.9**
Phenol	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
Pyrene	**121 J**	**248**	**99 J**	**205 J**	**50**	**97.2**	**114**

TABLE 3-6
Subsurface Sediment Analytical Results (12 to 24-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Station ID	SCC-SD-64	SCC-SD-65	SCC-SD-66		SCC-SD-67	SCC-SD-68	
Sample ID	SCC-SD-64-1224	SCC-SD-65-1224	DUP-SCC-SD-66-1224	SCC-SD-66-1224	SCC-SD-67-1224	DUP-SCC-SD-68-1220	SCC-SD-68-1220
Sample Date	11/11/2010	11/11/2010	11/11/2010	11/11/2010	11/12/2010	11/12/2010	11/12/2010
Volatile Organic Compunds (UG/KG)							
1,1,1-Trichloroethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,1,2,2-Tetrachloroethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,1,2-Trichloroethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,1-Dichloroethane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
1,1-Dichloroethene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2,3-Trichlorobenzene	0.674 UJ	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dibromo-3-chloropropane	2.7 U	2.98 U	2.68 U	2.53 U	2.45 U	2.76 U	2.78 U
1,2-Dibromoethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dichloroethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dichloroethene, cis-	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dichloroethene, trans-	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,2-Dichloropropane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,3-Dichloropropene, cis-	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,3-Dichloropropene, trans-	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
1,3-Dinitrobenzene	557 U	664 UJ	638 U	656 U	115 UJ	629 U	643 U
1,4-Dioxane	338 U	80.1 U	638 U	398 U	71.4 U	381 U	390 U
2-Butanone	**26.1 J**	**5.23 J**	**17.8**	**36.7**	3.06 U	**12.3 J**	**10.6 J**
2-Hexanone	**4.15 J**	3.72 U	3.35 U	3.17 U	3.06 U	3.45 U	3.48 U
4-Methyl-2-pentanone	3.37 U	3.72 U	3.35 U	3.17 U	3.06 U	3.45 U	3.48 U
Acetone	**65.6 J**	**24.6**	**82**	**116**	**10.9 J**	**38.8**	**44.9**
Benzene	**1.79 J**	0.744 U	0.669 U	0.633 U	**0.642 J**	0.689 U	0.696 U
Bromochloromethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Bromodichloromethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Bromoform	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Bromomethane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Carbon Disulfide	**1.59 J**	**1.08 J**	2.75 U	**4.03 J**	**2.46 J**	**4.16 J**	**3.6 J**
Carbon tetrachloride	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Chlorobenzene	0.674 U	0.744 U	0.669 U	**0.717 J**	0.611 U	0.689 U	0.696 U
Chloroethane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Chloroform	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Chloromethane	2.7 U	2.98 U	2.68 U	2.53 U	2.45 U	2.76 U	2.78 U
Cyclohexane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Dibromochloromethane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Dichlorodifluoromethane	1.35 U	1.49 U	1.34 UJ	1.27 U	1.22 UJ	1.38 UJ	1.39 UJ
Ethylbenzene	**0.719 J**	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Isopropylbenzene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Methyl Acetate	1.35 UJ	1.49 UJ	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Methylcyclohexane	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Methylene chloride	**2.44 J**	**2.95 J**	1.34 U	1.27 U	**2.02 J**	1.38 U	1.39 U
Styrene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
tert-Butyl Methyl Ether	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Tetrachloroethene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Toluene	**272 J**	**1.36 J**	**6.94 J**	**42.5 J**	**40.6 J**	**2.66 J**	**4.65 J**
Trichloroethene	0.674 U	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Trichlorofluoromethane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Trichlorotrifluoroethane	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Vinyl chloride	1.35 U	1.49 U	1.34 U	1.27 U	1.22 U	1.38 U	1.39 U
Xylene, m,p-	**2.63 J**	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Xylene, o-	**1.57 J**	0.744 U	0.669 U	0.633 U	0.611 U	0.689 U	0.696 U
Other Parameters (MG/KG)							
Total Organic Carbon	**21400**	**26700**	NA	**24000**	**17600**	NA	**36500**

Notes:
NA = Not analyzed

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-7
Subsurface Sediment Analytical Results (24 to 36-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-57	
Sample ID	SSC-SD-50-2436	SSC-SD-51-2436	SSC-SD-52-2436	SSC-SD-54-2436	DUP-SCC-SD-57-2436	SCC-SD-57-2436
Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**2200**	**11800**	**3400**	**4300**	**3330**	**2580**
Antimony	0.442 U	0.487 U	0.491 U	0.458 U	0.511 U	0.525 U
Arsenic	**1.46 J**	**2.49**	**5.59**	**3.05**	**2.44**	**3.75**
Barium	**16.3**	**105**	**52**	**58.6**	**36.3**	**30.1**
Beryllium	**0.072 J**	**0.544**	**0.195 J**	**0.208 J**	**0.219 J**	**0.171 J**
Cadmium	0.278 U	0.305 U	**2.52**	**2.13**	**0.644 J**	**1.08**
Calcium	**34800**	**13400**	**53100**	**57700**	**16900**	**18200**
Chromium	**3.51**	**15**	**14.5**	**17.2**	**6.56**	**6.4**
Cobalt	**2.14**	**6.31**	**3.86**	**4.21**	**3.99**	**3.29**
Copper	**6.07**	**9.78**	**19.3 J**	**16.9**	**19.1**	**18.9**
Iron	**6030**	**16800**	**8710**	**10100**	**8000**	**6730**
Lead	**2.41**	**8.38**	**25.2 J**	**22.3**	**36.3 J**	**17.4 J**
Magnesium	**12500**	**6790**	**22200**	**23100**	**5990**	**6540**
Manganese	**207**	**173**	**299**	**321**	**112**	**114**
Mercury	0.112 U	**0.0177 J**	**0.0468 J**	**0.0591 J**	**0.293**	**0.185**
Nickel	**4.46**	**14.6**	**7.95**	**8.98**	**8.43**	**6.86**
Potassium	**479**	**1090**	**566 J**	**913**	**331**	**289**
Selenium	0.555 U	**1.05 J**	**0.747 J**	0.618 U	0.671 U	0.69 U
Silver	**0.351 J**	**0.262 J**	**0.345 J**	**0.359 J**	0.255 U	0.263 U
Sodium	**79.3**	**143**	**140**	**174**	**108**	**102**
Thallium	0.884 U	0.974 U	0.983 U	0.916	1.02 U	1.05 U
Vanadium	**8.33**	**25.3**	**10.7 J**	**12.6**	**8.55**	**6.94**
Zinc	**20**	**37.6**	**253**	**203**	**351**	**321**
Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1221	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1232	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1242	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1248	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1254	21.3 U	21.7 U	22.9 U	20.7 U	14 U	12.1 U
Aroclor-1260	21.3 U	21.7 U	22.9 UJ	20.7 U	14 U	12.1 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.666 U	0.613 U	0.665 UJ	0.654 U	0.741 U	0.725 U
1,2-Dichlorobenzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,3,5-Trinitrobenzene	112 U	117 U	112 U	119 U	650 U	625 U
1,3-Dichlorobenzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,4-Dichlorobenzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
2,4,5-Trichlorophenol	112 U	117 U	112 U	119 U	650 U	625 U
2,4,6-Trichlorophenol	112 U	117 U	112 U	119 U	650 U	625 U
2,4-Dichlorophenol	112 U	117 U	112 U	119 U	650 U	625 U
2,4-Dimethylphenol	112 U	117 U	112 U	119 U	650 U	625 U
2,4-Dinitrophenol	62.4 UJ	69.5 UJ	**333 R**	367 U	418 UJ	354 UJ
2,4-Dinitrotoluene	112 U	117 U	112 U	119 U	650 U	625 U
2,6-Dinitrotoluene	**112 R**	**117 R**	112 U	119 U	650 U	625 U
2-Chloronaphthalene	112 U	117 U	112 U	119 U	650 U	625 U
2-Chlorophenol	112 U	117 U	112 U	119 U	650 U	625 U
2-Methylnaphthalene	3 U	3.14 U	**7.71 J**	**2.8 J**	**36.9 J**	**6.12 J**
2-Methylphenol	112 U	117 U	112 U	119 U	650 U	625 U
2-Nitroaniline	62.4 U	69.5 U	333 U	367 U U	418 U	354 U
2-Nitrophenol	112 U	117 U	112 U	119 U	650 U	625 U
3,3'-Dichlorobenzidine	224 UJ	234 UJ	225 UJ	237 UJ	1300 UJ	1250 UJ
3-,4-Methylphenol	112 U	117 U	112 U	119 U	650 U	625 U
3-Nitroaniline	62.4 U	69.5 U	**333 R**	367 U **R**	418 U	354 U
4-Bromophenyl phenyl ether	112 U	117 U	112 U U	119 U	650 U	625 U
4-Chloroaniline	112 UJ	117 UJ	112 UJ	119 U	650 UJ	625 UJ
4-Nitrophenol	62.4 UJ	69.5 UJ	333 UJ	367 U	418 U	354 U
Acenaphthene	3 U	3.14 U	**5.31 J**	**5.4**	**46 J**	**23.9 J**
Acenaphthylene	3 U	3.14 U	**7.51 J**	**2.17 J**	**16.7 J**	**10.8**
Anthracene	3 U	3.14 U	**16.2 J**	**5.94**	**1490**	**120**
Benzo(a)anthracene	3 U	3.14 U	**57.4 J**	**19.3**	**2330**	**186**
Benzo(a)pyrene	3 U	**38.4**	**51.5 J**	**18.6**	**1840**	**136 J**
Benzo(b)fluoranthene	3 U	3.14 U	**45.1 J**	**17.7**	**1300**	**142**
Benzo(g,h,i)perylene	3 U	3.14 U	**35.5 J**	**13.1**	**117 J**	**69.2 J**
Benzo(k)fluoranthene	3 U	3.14 U	**52.2 J**	**16.8**	**1410**	**145**
Benzoic Acid	449 U	468 U	**450 R**	474 UJ	2600 U	2500 U
Benzyl Alcohol	112 U	117 U	112 U	119 U	650 U	625 U
Biphenyl (diphenyl)	112 U	117 U	112 U	119 U	650 U	625 U
Bis (2-chloroethoxy) methane	**112 R**	**117 R**	112 U	119 U	650 U	625 U
Bis (2-chloroethyl) ether	112 U	117 U	112 U	119 U	650 U	625 U
Bis (2-ethylhexyl) phthalate	112 U	117 U	112 U	119 U	650 U	625 U
Butyl benzylphthalate	112 U	117 U	112 U	119 U	650 U	625 U
Carbazole	112 U	117 U	112 **J**	119 U	650 U	625 U
Chrysene	112 U	3.14 U	**57.5**	**22.5**	**1980**	**197**
Di-n-butylphthalate	112 U	117 U	112 U	119 U	650 U	625 U
Di-n-octylphthalate	112 U	117 U	112 U	119 U	650 U	625 U
Dibenzo (a,h) anthracene	3 U	3.14 U	112 U	**5.3**	**41** J	**24.3 J**
Dibenzofuran	112 U	117 U	112 U	119 U	650 U	625 U
Diethyl phthalate	112 U	117 U	112 U	119 U	650 U	625 U
Dimethyl phthalate	112 U	117 U	112 U	119 U	650 U	625 U
Fluoranthene	3 U	3.14 U	**119 J**	**44.9**	**5800 J**	**531**
Fluorene	3 U	3.14 U	**9.93 J**	**7.01**	**58.9 J**	**34.3 J**
Hexachlorobenzene	112 U	117 U	112 U	119 U	650 U	625 U
Hexachlorobutadiene	112 U	117 U	112 U	119 U	650 U	625 U
Hexachlorocyclopentadiene	112 UJ	117 UJ	**112 R**	119 U	650 UJ	625 UJ
Hexachloroethane	112 U	117 U	112 U	119 U	650 U	625 U
Indeno (1,2,3-c,d) pyrene	3 U	3.14 U	**32 J**	119 U	**1820**	**71.1**
Isophorone	112 U	117 U	112 U	119 U	650 U	625 U
n-Nitrosodiphenylamine	**112 R**	**117 R**	112 U	119 U	650 U	625 U
Naphthalene	3 U	3.14 U	**12.4 J**	**6.1**	**99.5 J**	**9.5 J**
Nitrobenzene	112 U	117 U	112 U	119 U	650 U	625 U
Pentachlorophenol	62.4 J	69.5 J	333 U	367 U	418 U	354 U
Phenanthrene	3 U	3.14 U	**67.7** J	**30.5** J	**4660**	**352**
Phenol	112 U	117 U	112 U	119 U	650 U	625 U
Pyrene	3 U	3.14 U	**79.9 J**	**33.7 J**	**4350**	**336**

TABLE 3-7
Subsurface Sediment Analytical Results (24 to 36-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-57	
Sample ID	SSC-SD-50-2436	SSC-SD-51-2436	SSC-SD-52-2436	SSC-SD-54-2436	DUP-SCC-SD-57-2436	SCC-SD-57-2436
Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010
Volatile Organic Compounds (UG/KG)						
1,1,1-Trichloroethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,1,2,2-Tetrachloroethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,1,2-Trichloroethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,1-Dichloroethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U U	1.45 U
1,1-Dichloroethene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,2,3-Trichlorobenzene	0.666 U	0.613 U	0.665 UJ	0.654 UJ	0.741 UJ	0.725 U
1,2-Dibromo-3-chloropropane	2.66 U	2.45 U	2.66 U	2.62 U	2.96 U	2.9 U
1,2-Dibromoethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
1,2-Dichloroethane	0.666 U	0.613 U	0.666 U	0.654 U	0.741 U	0.725 U
1,2-Dichloroethene, cis-	0.666 U	0.613 U	0.667 U	0.654 U	0.741 U	0.725 U
1,2-Dichloroethene, trans-	0.666 U	0.613 U	0.668 U	0.654 U	0.741 U	0.725 U
1,2-Dichloropropane	0.666 U	0.613 U	0.669 U	0.654 U	0.741 U	0.725 U
1,3-Dichloropropene, cis-	0.666 U	0.613 U	0.670 UJ	0.654 U	0.741 U	0.725 U
1,3-Dichloropropene, trans-	0.666 U	0.613 U	0.671 U	0.654 U	0.741 U	0.725 U
1,3-Dinitrobenzene	112 U	117 U	112 U	119 U	650 U	625 U
1,4-Dioxane	68 U	117 U	68.1 U	71.9 U	650 U	75.8 U
2-Butanone	3.33 U	**12.3**	**6.01 J**	**5.09 J**	**39.2**	**31.2**
2-Hexanone	3.33 U	3.06 U	3.33 U	3.27 U	3.7 U	3.63 U
4-Methyl-2-pentanone	3.33 U	3.06 U	3.33 U	3.27 U	3.7 U	3.63 U
Acetone	6.66 U	**54.6**	**21.5**	**15.1**	**137**	**115**
Benzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Bromochloromethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Bromodichloromethane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Bromoform	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Bromomethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U	1.45 U
Carbon Disulfide	**1.96** J	0.613 U	0.665 U	**0.656 J**	**2.51 J**	**4.49 J**
Carbon tetrachloride	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Chlorobenzene	0.666 U	0.613 U	0.665 U	0.654 U	**1 J**	**0.787 J**
Chloroethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U	1.45 U
Chloroform	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Chloromethane	2.66 U	2.45 U	2.66 U	2.62 U	2.96 U	2.9 U
Cyclohexane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U	1.45 U
Dibromochloromethane	0.666 U U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Dichlorodifluoromethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U	1.45 U
Ethylbenzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Isopropylbenzene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Methyl Acetate	1.33 U	1.23 U	1.33 UJ	1.31 UJ	1.48 U	1.45 U
Methylcyclohexane	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U U	0.725 U
Methylene chloride	2.61 U	1.23 U	1.33 U	1.31 U	**0.882 j**	**6.08 J**
Styrene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
tert-Butyl Methyl Ether	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Tetrachloroethene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Toluene	0.666 U	0.613 U	0.665 U	0.654 U	**0.882 J** U	0.725 U
Trichloroethene	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Trichlorofluoromethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U U	1.45 U
Trichlorotrifluoroethane	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U U	1.45 U
Vinyl chloride	1.33 U	1.23 U	1.33 U	1.31 U	1.48 U U	1.45 U
Xylene, m,p-	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
Xylene, o-	0.666 U	0.613 U	0.665 U	0.654 U	0.741 U	0.725 U
WCHEM (mg/kg)						
Total Organic Carbon	**1610**	**11800**	**20900**	**28500**	NA	**19700**

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-7
Subsurface Sediment Analytical Results (24 to 36-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company

Station ID **Sample ID** **Date**	SCC-SD-58 SCC-SD-58-2436 11/10/2010	SCC-SD-59 SCC-SD-59-2436 11/10/2010	SCC-SD-63 SCC-SD-63-2428 11/11/2010	SCC-SD-65 SCC-SD-65-2436 11/11/2010	SCC-SD-66 SCC-SD-66-2436 11/11/2010	SCC-SD-67 SCC-SD-67-2436 11/12/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**7230**	**2720**	**1940**	**2670**	**2470**	**3700**
Antimony	0.479 U	0.535 U	0.398 U	0.521 U	**0.508 J**	0.413 U
Arsenic	**4.46**	**2.16**	**1.47 J**	**1.78 J**	**2.7**	**1.95**
Barium	**77.3**	**31.6**	**57.9**	**28.5**	**30.3**	**41.7 J**
Beryllium	**0.382 J**	**0.156 J**	**0.123 J**	**0.143 J**	**0.131 J**	**0.0268 J**
Cadmium	0.32 U	**4.59**	**0.35 J**	**0.622 J**	**0.772**	0.291
Calcium	**72800**	**29200**	**128000**	**15200**	**24800**	**60700**
Chromium	**9.98**	**14.5**	**4.51**	**9.91**	**10.2**	**7.42 J**
Cobalt	**7.77**	**3.22**	**3.19**	**3.46**	**3.68**	**3.67**
Copper	**19.5**	**15.3**	**6.84**	**15.9**	**16.2**	**8.61**
Iron	**18200**	**6920**	**7280**	**6620**	**7380**	**10300**
Lead	**8.94**	**52.2**	**5.77**	**21.3**	**18.2**	**4.99**
Magnesium	**23200**	**9430**	**29200**	**5270**	**9460**	**19400**
Manganese	**492**	**149**	**246**	**83.7**	**143**	**334 J**
Mercury	**0.0207 J**	**0.212**	**0.0123 J**	**0.584**	**0.126 J**	0.0116 UJ
Nickel	**18**	**6.92**	**7.07**	**6.46**	**7.04**	**8.1**
Potassium	**1520**	**365**	**545**	**286**	**331**	**1160 J**
Selenium	0.64 U	0.699 U	0.518 U	0.683 U	0.676 U	0.582 U
Silver	**14.4 J**	0.268 U	**0.297 J**	**0.319 J**	**0.337 J**	**0.731**
Sodium	**216**	**161**	**129**	**98.2**	**129**	**156**
Thallium	0.958 U	1.07 U	0.795 U	1.04 U	1 U	0.826 U
Vanadium	**15.2**	**7.66**	**6.54**	**5.96**	**7.1**	**12.5**
Zinc	**36.3 J**	**445**	**25.5**	**142**	**90.3**	**37.6 J**
Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	12.2 U	14.1 U	9.39 U	12.8 U	NA	11.3 U
Aroclor-1221	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Aroclor-1232	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Aroclor-1242	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Aroclor-1248	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Aroclor-1254	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Aroclor-1260	12.2 U	14.1 U	9.39 U	12.8	NA	11.3 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
1,2-Dichlorobenzene	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
1,3,5-Trinitrobenzene	123 U	678 U	472 U	677 UJ	636 U	116 U
1,3-Dichlorobenzene	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
1,4-Dichlorobenzene	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
2,4,5-Trichlorophenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2,4,6-Trichlorophenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2,4-Dichlorophenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2,4-Dimethylphenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2,4-Dinitrophenol	**337 R**	427 U	316 U	378 U	377 U	354 UJ
2,4-Dinitrotoluene	123 U	678 U	472 U	677 UJ	636 U	116 U
2,6-Dinitrotoluene	123 U	678 U	472 U	677 UJ	636 U	116 U
2-Chloronaphthalene	123 U	678 U	472 U	677 UJ	636 UJ	116 UJ
2-Chlorophenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2-Methylnaphthalene	1.84 U	**28.1**	1.58 U	1.93 UJ	**4.3**	1.74 U
2-Methylphenol	123 U	678 U	472 U	677 UJ	636 U	116 U
2-Nitroaniline	337 U	427 U	316 U	378 U	377 U	354 U
2-Nitrophenol	123 U	678 U	472 U	677 UJ	636 U	116 U
3,3'-Dichlorobenzidine	246 UJ	1360 UJ	944 U	1350 UJ	1270 U	232 U
3-,4-Methylphenol	123 U	678 U	472 U	677 UJ	636 U	116 U
3-Nitroaniline	**337 R**	427 U	316 U	378 U	377 U	354 U
4-Bromophenyl phenyl ether	123 U	678 U	472 U	677 UJ	636 U	116 U
4-Chloroaniline	123 UJ	678 UJ	472 UJ	677 UJ	636 U	116 U
4-Nitrophenol	337 U	427 U	316 U	378 U	377 U	354 U
Acenaphthene	1.84 U	**18.1**	1.58 U	1.93 UJ	1.85 U	1.74 U
Acenaphthylene	1.84 U	**26.7**	1.58 U	**7.81 J**	**9.36**	1.74 U
Anthracene	1.84 U	**1760**	1.58 U	**28.8 J**	**15.6**	1.74 U
Benzo(a)anthracene	123 U	**1960**	**4.19**	**76.6 J**	**55.9**	1.74 U
Benzo(a)pyrene	123 U	**1510**	**5.54**	**64.2 J**	**52.6**	1.74 U
Benzo(b)fluoranthene	123 U	**1140 J**	**5.84**	**54.4 J**	**52.3**	1.74 U
Benzo(g,h,i)perylene	123 U	**63.7**	**4.72**	**37.2 J**	**37**	1.74 U
Benzo(k)fluoranthene	123 U	**1210 J**	**6.15**	**58.5 J**	**45.1**	1.74 U
Benzoic Acid	491 U	2710 U	1890 U	2710 UJ	2550 UJ	463 UJ
Benzyl Alcohol	123 U	678 U	472 U	677 UJ	636 U	116 U
Biphenyl (diphenyl)	123 U	678 U	472 U	677 UJ	636 U	116 U
Bis (2-chloroethoxy) methane	123 U	678 U	472 U	677 UJ	636 UJ	116 UJ
Bis (2-chloroethyl) ether	123 U	678 U	472 U	677 UJ	636 U	116 U
Bis (2-ethylhexyl) phthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Butyl benzylphthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Carbazole	123 U	678 U	472 U	677 UJ	636 U	116 U
Chrysene	1.84 U	**1750**	**5.2**	**72.8 J**	**59.4**	**2.21 J**
Di-n-butylphthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Di-n-octylphthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Dibenzo (a,h) anthracene	123 U	**21.5**	1.58 U	**9.69 J**	**9.68**	1.74 U
Dibenzofuran	123 U	678 U	472 U	677 UJ	636 U	116 U
Diethyl phthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Dimethyl phthalate	123 U	678 U	472 U	677 UJ	636 U	116 U
Fluoranthene	1.84 U	**5240**	**8.29**	**159 J**	**96.8**	1.74 U
Fluorene	1.84 U	**693 J**	1.58 U	**6.9 J**	**6.33**	1.74 U
Hexachlorobenzene	123 U	678 U	472 U	677 UJ	636 U	116 U
Hexachlorobutadiene	123 U	678 U	472 U	677 UJ	636 U	116 U
Hexachlorocyclopentadiene	123 UJ	678 UJ	472 U	677 UJ	636 UJ	**116 R**
Hexachloroethane	123 U	678 U	472 U	677 UJ	636 U	116 U
Indeno (1,2,3-c,d) pyrene	123 U	**61.5**	**4.01**	**34.1 J**	**33.4**	1.74 U
Isophorone	123 U	678 U	472 U	677 UJ	636 U	116 U
n-Nitrosodiphenylamine	123 U	678 U	472 U	677 UJ	636 U	116 U
Naphthalene	1.84 U **J**	**89.2**	1.58 U	3.87 U	**8.88**	1.74 U
Nitrobenzene	123 U	678 U	472 U	677 UJ	636 U	116 U
Pentachlorophenol	337 U	427 U	316 U	378 U	377 U	354 U
Phenanthrene	**1.95 J**	**5150**	**4.5**	**85.4 J**	**46.8**	1.74 U
Phenol	123 U	678 U	472 U	677 UJ	636 U	116 U
Pyrene	1.84 U	**4070**	**8.88**	**150 J**	**83.3**	1.74 U

TABLE 3-7
Subsurface Sediment Analytical Results (24 to 36-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company

Station ID **Sample ID** **Date**	SCC-SD-58 SCC-SD-58-2436 11/10/2010	SCC-SD-59 SCC-SD-59-2436 11/10/2010	SCC-SD-63 SCC-SD-63-2428 11/11/2010	SCC-SD-65 SCC-SD-65-2436 11/11/2010	SCC-SD-66 SCC-SD-66-2436 11/11/2010	SCC-SD-67 SCC-SD-67-2436 11/12/2010
Volatile Organic Compounds (UG/KG)						
1,1,1-Trichloroethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,1,2,2-Tetrachloroethane	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
1,1,2-Trichloroethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,1-Dichloroethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
1,1-Dichloroethene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,2,3-Trichlorobenzene	0.646 UJ	0.771 U	0.532 UJ	0.714 U	0.639 U	0.618 U
1,2-Dibromo-3-chloropropane	2.59 U	3.08 U	2.13 UJ	2.86 U	2.56 U	2.47 U
1,2-Dibromoethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,2-Dichloroethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,2-Dichloroethene, cis-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,2-Dichloroethene, trans-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,2-Dichloropropane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,3-Dichloropropene, cis-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,3-Dichloropropene, trans-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
1,3-Dinitrobenzene	123 U	678 U	472 U	677 UJ	636 U	116 U
1,4-Dioxane	74.4 U	82.2 U	286 U	80.4 U	386 U	70.2 U
2-Butanone	3.23 U	**12.3 J**	**3.32 J**	**11.9 J**	**28.3**	**3.72 J**
2-Hexanone	3.23 U	3.85 U	2.66 U	3.57 U	3.2 U	3.09 U
4-Methyl-2-pentanone	3.23 U	3.85 U	2.66 U	3.57 U	3.2 U	3.09 U
Acetone	**15.1 J**	**72.3**	**11.7 J**	**47.8**	**111**	**10.6 J**
Benzene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Bromochloromethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Bromodichloromethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Bromoform	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Bromomethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Carbon Disulfide	**0.962 J**	**2.65 J**	**3.41 J**	**6.7 J**	**3.2 J**	**1.45 J**
Carbon tetrachloride	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Chlorobenzene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Chloroethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Chloroform	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Chloromethane	2.59 U U	3.08 U	2.13 U	2.86 U	2.56 U	2.47 U
Cyclohexane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Dibromochloromethane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Dichlorodifluoromethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 UJ
Ethylbenzene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Isopropylbenzene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Methyl Acetate	1.29 U	1.54 U	1.06 U	1.43 UJ	1.28 U	1.24 U
Methylcyclohexane	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Methylene chloride	**3.38 J**	**3.14 J**	**3.58 J**	**2.76 J**	1.28 U	**1.54 J**
Styrene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
tert-Butyl Methyl Ether	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Tetrachloroethene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Toluene	0.646 U	0.771 U	**12.5 J**	**8.11**	**20.6**	**25.8 J**
Trichloroethene	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Trichlorofluoromethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Trichlorotrifluoroethane	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Vinyl chloride	1.29 U	1.54 U	1.06 U	1.43 U	1.28 U	1.24 U
Xylene, m,p-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
Xylene, o-	0.646 U	0.771 U	0.532 U	0.714 U	0.639 U	0.618 U
WCHEM (mg/kg)						
Total Organic Carbon	**15100**	**32200**	**25100**	**14800**	**23400**	**15900**

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteri

TABLE 3-8
Sediment Sampling Analytical Results (36 to 48-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-3648 11/9/2010	SCC-SD-51 SSC-SD-51-3639 11/9/2010	SCC-SD-52 SSC-SD-52-3646 11/9/2010	SCC-SD-54 SSC-SD-54-3643 11/9/2010	SCC-SD-57 SCC-SD-57-3648 11/10/2010	SCC-SD-58 SCC-SD-58-3644 11/10/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**2390**	**15800**	**10600**	**6260**	**3000**	**1490**
Antimony	0.43 U	0.527 U	0.482 U	0.384 U	0.502 U	0.47 U
Arsenic	**1.85**	**2.16**	**3.15**	**2.16**	**2.98**	**3.49**
Barium	**22.2**	**141**	**127**	**78.7**	**53.2**	**45**
Beryllium	**0.0817 J**	**0.773**	**0.545**	**0.282 J**	**0.168 J**	**0.165 J**
Cadmium	0.299 U	0.342 U	**1.34**	0.267 U	**3.28**	0.294 U
Calcium	**36500**	**4130**	**30500**	**69500**	**45500**	**72900**
Chromium	**3.74**	**18.5**	**15.6**	**9.59**	**18**	**1.22**
Cobalt	**2.34**	**7.75**	**5.19**	**5.41**	**3.69**	**3.37**
Copper	**5.41**	**6.86**	**11.3**	**13.3**	**14.7**	**14.6**
Iron	**6340**	**21400**	**12700**	**14200**	**8490**	**6450**
Lead	**2.83**	**14.3**	**18.4**	**5.97**	**26.3**	**5.92**
Magnesium	**13100**	**3510**	**11700**	**26800**	**16400**	**22100**
Manganese	**214**	**129**	**201**	**378**	**255**	**400**
Mercury	0.119 U	**0.0392 J**	**0.0343 J**	**0.0113 J**	**0.645**	**0.0204 J**
Nickel	**4.73**	**14.9**	**13.5**	**13.3**	**7.72**	**5.68**
Potassium	**542**	**722**	**1410**	**1430**	**439**	**626**
Selenium	0.599 U	**1.26 J**	**1.08 J**	0.535 U	0.7 U	0.587 U
Silver	**0.344 J**	0.264 U	0.241 U	**0.357 J**	0.251 U	0.235 U
Sodium	**84.5**	**181**	**165**	**159**	**131**	**147**
Thallium	0.86 U	1.05 U	0.963 U	0.768 U	1 U	0.94 U
Vanadium	**9.75**	**28.8**	**22.2**	**15.2**	**9.8**	**4.97**
Zinc	**21.1**	**50.1**	**83.4**	**34.3**	**254**	**14.4**
Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1221	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1232	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1242	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1248	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1254	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Aroclor-1260	21.2 U	22.4 U	26.2 U	18.7 U	12.4 U	12.2 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
1,2-Dichlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
1,3,5-Trinitrobenzene	110 U	131 U	117 U	110 U	658 U	118 U
1,3-Dichlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
1,4-Dichlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
2,4,5-Trichlorophenol	110 U	131 U	117 U	110 U	658 U	118 U
2,4,6-Trichlorophenol	110 U	131 U	117 U	110 U	658 U	118 U
2,4-Dichlorophenol	110 U	131 U	117 U	110 U	658 U	118 U
2,4-Dimethylphenol	110 U	131 U	117 U	110 U	658 U	118 U
2,4-Dinitrophenol	70.4 UJ	63.6 UJ	349 U	285 U	402 U	359 UJ
2,4-Dinitrotoluene	110 U	131 U	117 U	110 U	658 U	118 U
2,6-Dinitrotoluene	**110 R**	**131 R**	117 U	110 U	658 U	118 U
2-Chloronaphthalene	110 U	131 U	117 U	110 U	658 U	118 U
2-Chlorophenol	110 U	131 U	117 U	110 U	658 U	118 U
2-Methylnaphthalene	3.54 U	3.33 U	117 U	2.75 U	**3.17 J**	1.84 U
2-Methylphenol	110 U	131 U	117 U	110 U	658 U	118 U
2-Nitroaniline	70.4 U	63.6 UJ	349 U	285 U	402 U	359 U
2-Nitrophenol	110 U	131 U	117 U	110 U	658 U	118 U
3,3'-Dichlorobenzidine	219 UJ	262 UJ	234 UJ	220 UJ	1320 UJ	237 UJ
3-,4-Methylphenol	110 U	131 U	117 U	110 U	658 U	118 U
3-Nitroaniline	70.4 U	63.6 UJ	349 U	285 U	402 U	359 U
4-Bromophenyl phenyl ether	110 U	131 U	117 U	110 U	658 U	118 U
4-Chloroaniline	110 UJ	131 UJ	117 UJ	110 UJ	658 UJ	118 UJ
4-Nitrophenol	70.4 UJ	63.6 UJ	349 U	285 U	402 U	359 U
Acenaphthene	3.54 U	3.33 U	3.77 U	2.75 U	**2.84 J**	1.84 U
Acenaphthylene	3.54 U	3.33 U	**2.14 J**	2.75 U	**3.27 J**	1.84 U
Anthracene	3.54 U	3.33 U	**3.52 J**	110 U	**10.6**	1.84 U
Benzo(a)anthracene	3.54 U	3.33 U	**19.6**	**2.37 J**	**35.7**	1.84 U
Benzo(a)pyrene	3.54 U	**76.7**	**17.7**	**2.19 J**	**30.3**	1.84 U
Benzo(b)fluoranthene	3.54 U	3.33 U	**16.9**	110 U	**28.2**	1.84 U
Benzo(g,h,i)perylene	3.54 U	3.33 U	117 U	110 U	**19.1**	1.84 U
Benzo(k)fluoranthene	3.54 U	3.33 U	**18.7**	**2.21 J**	**29.1**	1.84 U
Benzoic Acid	439 U	524 U	467 U	439 UJ	2630 U	474 U
Benzyl Alcohol	110 U	131 U	117 U	110 U	658 U	118 U
Biphenyl (diphenyl)	110 U	131 U	117 U	110 U	658 U	118 U
Bis (2-chloroethoxy) methane	**110 R**	**131 R**	117 U	110 U	658 U	118 U
Bis (2-chloroethyl) ether	110 U	131 U	117 U	110 U	658 U	118 U
Bis (2-ethylhexyl) phthalate	110 U	131 U	117 U	110 U	658 U	118 U
Butyl benzylphthalate	110 U	131 U	117 U	110 U	658 U	118 U
Carbazole	110 U	131 U	117 U	110 U	658 U	118 U
Chrysene	3.54 U	3.33 U	**20.7**	**3.28**	**37.1**	1.84 U
Di-n-butylphthalate	110 U	131 U	117 U	110 U	658 U	118 U
Di-n-octylphthalate	110 U	131 U	117 U	110 U	658 U	118 U
Dibenzo (a,h) anthracene	3.54 U	3.33 U	**3.34 J**	2.75 U	**5.74**	1.84 U
Dibenzofuran	110 U	131 U	117 U	110 U	658 U	118 U
Diethyl phthalate	110 U	131 U	117 U	110 U	658 U	118 U
Dimethyl phthalate	110 U	131 U	117 U	110 U	658 U	118 U
Fluoranthene	3.54 U	3.33 U	**36.1**	**5.46**	**78.9**	1.84 U
Fluorene	3.54 U	3.33 U	**2.9 J**	110 U	**6.63**	1.84 U
Hexachlorobenzene	110 U	131 U	117 U	110 U	658 U	118 U
Hexachlorobutadiene	110 U	131 U	117 U	110 U	658 U	118 U
Hexachlorocyclopentadiene	110 U	131 UJ	117 U	110 U	658 UJ	118 UJ
Hexachloroethane	110 U	131 U	117 U	110 U	658 U	118 U
Indeno (1,2,3-c,d) pyrene	3.54 U	3.33 U	117 U	2.75 U	**17.1**	1.84 U
Isophorone	110 U	131 U	117 U	110 U	658 U	118 U
n-Nitrosodiphenylamine	**110 R**	**131 R**	117 U	110 U	658 U	118 U
Naphthalene	3.54 U	3.33 U	**3.69 J**	110 U	**7.13**	**1.92 J**
Nitrobenzene	110 U	131 U	117 U	110 U	658 U	118 U
Pentachlorophenol	70.4 UJ	63.6 UJ	349 U	285 U	402 U	359 U
Phenanthrene	3.54 U	3.33 U	**14.3**	**5.91**	**45.5**	**3.18 J**
Phenol	110 U	131 U	117 U	110 U	658 U	118 U
Pyrene	3.54 U	3.33 U	**29**	**4.64**	**53.3**	1.84 U

TABLE 3-8
Sediment Sampling Analytical Results (36 to 48-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID	SCC-SD-50	SCC-SD-51	SCC-SD-52	SCC-SD-54	SCC-SD-57	SCC-SD-58
Sample ID	SSC-SD-50-3648	SSC-SD-51-3639	SSC-SD-52-3646	SSC-SD-54-3643	SCC-SD-57-3648	SCC-SD-58-3644
Sample Date	11/9/2010	11/9/2010	11/9/2010	11/9/2010	11/10/2010	11/10/2010
Volatile Organic Compounds (UG/KG)						
1,1,1-Trichloroethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,1,2,2-Tetrachloroethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
1,1,2-Trichloroethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,1-Dichloroethane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
1,1-Dichloroethene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,2,3-Trichlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 UJ
1,2-Dibromo-3-chloropropane	2.27 U	2.86 U	2.7 U	2.37 U	2.61 U	2.37 U
1,2-Dibromoethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,2-Dichloroethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,2-Dichloroethene, cis-	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,2-Dichloroethene, trans-	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,2-Dichloropropane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,3-Dichloropropene, cis-	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,3-Dichloropropene, trans-	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
1,3-Dinitrobenzene	110 U	131 U	117 U	110 U	658 U	118 U
1,4-Dioxane	66.5 U	131 U	70.8 U	66.5 U	79.8 U	71.8 U
2-Butanone	2.84 U	**17.3**	**5.24 J**	2.96 U	**18.4**	2.96 U
2-Hexanone	2.84 U	3.57 U	3.38 U	2.96 U	3.26 U	2.96 U
4-Methyl-2-pentanone	2.84 U	3.57 U	3.38 U	2.96 U	3.26 U	2.96 U
Acetone	**6.37 J**	**85.3**	**16.2**	**9.62 J**	**85.3**	**13.1**
Benzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Bromochloromethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Bromodichloromethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Bromoform	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Bromomethane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Carbon Disulfide	**0.874 J**	0.715 U	**0.817 J**	**0.937 J**	**1.1 J**	0.593 U
Carbon tetrachloride	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Chlorobenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Chloroethane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Chloroform	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Chloromethane	2.27 U	2.86 U	2.7 U	2.37 U	2.61 U	2.37 U
Cyclohexane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Dibromochloromethane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Dichlorodifluoromethane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Ethylbenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Isopropylbenzene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 UJ	0.593 U
Methyl Acetate	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Methylcyclohexane	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Methylene chloride	1.35 U	1.43 U	1.35 U	1.18 U	**3.66 J**	**2.19 J**
Styrene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
tert-Butyl Methyl Ether	0.567 U	0.715 U	0.676 U	0.592 U	0.652 U	0.593 U
Tetrachloroethene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 UJ	0.593 U
Toluene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 UJ	0.593 U
Trichloroethene	0.567 U	0.715 U	0.676 U	0.592 U	0.652 UJ	0.593 U
Trichlorofluoromethane	1.13 U	1.43 U	1.35 U	1.18 U	1.3 U	1.19 U
Other Parameters (MG/KG)						
Total Organic Carbon	**1990**	**7400**	**19300**	**17600**	**17000**	**16200**

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-8
Sediment Sampling Analytical Results (36 to 48-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID	SCC-SD-59	SCC-SD-65	SCC-SD-66		SCC-SD-67	
Sample ID	SCC-SD-59-3648	SCC-SD-65-3648	SCC-SD-66-3648	DUP-SCC-SD-66-3648	SCC-SD-67-3648	DUP-SCC-SD-67-3648
Sample Date	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/12/2010	11/12/2010
Chemical Name						
Inorganics (MG/KG)						
Aluminum	**8060**	**2610**	**2930**	**2610**	**6020**	**6140**
Antimony	0.627 U	**3.89 J**	0.473 U	0.43 U	**0.484 J**	**0.586 J**
Arsenic	**5.28**	**4.28**	**3.65**	**3.98**	**3.55**	**3.53**
Barium	**93.6**	**28**	**48.3**	**49.6**	**81.9**	**78.3**
Beryllium	**0.46 J**	**0.183 J**	**0.165 J**	**0.156 J**	**0.225 J**	**0.238 J**
Cadmium	**14**	**3.81**	**2.12**	**2.46**	0.314 U	0.303 U
Calcium	**35500**	**18100**	**60800**	**58100**	**83400**	**81500**
Chromium	**45**	**23.3**	**12.3**	**12**	**12**	**12.4**
Cobalt	**7.42**	**4.09**	**4.11**	**3.62**	**7.54**	**7.52**
Copper	**40.1**	**25.7**	**13.7**	**12.8**	**15.4**	**15.5**
Iron	**15200**	**6820**	**10100**	**8640**	**18000**	**18300**
Lead	**85.5**	**43.9**	**20.5**	**27.4**	**8.32**	**7.94**
Magnesium	**11100**	**6270**	**20800**	**20300**	**21000**	**21400**
Manganese	**245**	**110**	**309**	**277**	**477**	**487**
Mercury	**0.401**	**0.817**	**0.0925 J**	**0.0792 J**	**0.019 J**	**0.0153 J**
Nickel	**18.1**	**1.91 J**	**8.87**	**7.69**	**17.2**	**17.3**
Potassium	**1080**	**316**	**576**	**459**	**1600**	**1620**
Selenium	**1.2 J**	0.78 U	0.647 U	0.651 U	0.627 U	0.606 U
Silver	0.314 U	0.269 U	0.237 U	0.215 U	**0.793**	**0.673**
Sodium	**271**	**109**	**146**	**137**	**194**	**199**
Thallium	1.25 U	5.37 U	0.947 U	0.86 U	**1.01 J**	**1.12 J**
Vanadium	**16.2**	**7.95**	**9.2**	**8.69**	**17.2**	**17.8**
Zinc	**858**	**1100**	**182**	**168**	**41.3**	**41.8**
Polychlorinated Biphenyls (UG/KG)						
Aroclor-1016	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1221	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1232	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1242	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1248	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1254	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Aroclor-1260	15.7 U	15 U	12.3 U	10.4 U	11.8 U	11.6 U
Semivolatile Organic Compounds (UG/KG)						
1,2,4-Trichlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dichlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,3,5-Trinitrobenzene	800 U	707 UJ	640 U	604 U	115 U	107 U
1,3-Dichlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,4-Dichlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
2,4,5-Trichlorophenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2,4,6-Trichlorophenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2,4-Dichlorophenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2,4-Dimethylphenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2,4-Dinitrophenol	479 U	425 U	335 U	350 UJ	312 UJ	286 UJ
2,4-Dinitrotoluene	800 U	707 UJ	640 U	604 U	115 U	107 U
2,6-Dinitrotoluene	800 U	707 UJ	640 U	604 U	115 U	107 U
2-Chloronaphthalene	800 U	707 UJ	640 UJ	604 UJ	115 U	107 U
2-Chlorophenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2-Methylnaphthalene	**14.9 J**	**20.1 J**	**2.63 J**	604 U	1.58 U	1.61 U
2-Methylphenol	800 U	707 UJ	640 U	604 U	115 U	107 U
2-Nitroaniline	479 U	425 U	335 U	350 U	312 U	286 U
2-Nitrophenol	800 U	707 UJ	640 U	604 U	115 U	107 U
3,3'-Dichlorobenzidine	1600 UJ	1410 UJ	1280 U	1210 U	229 U	214 U
3-,4-Methylphenol	800 U	707 UJ	640 U	604 U	115 U	107 U
3-Nitroaniline	479 U	425 U	335 U	350 U	312 U	286 U
4-Bromophenyl phenyl ether	800 U	707 UJ	640 U	604 U	115 U	107 U
4-Chloroaniline	800 UJ	707 UJ	640 U	604 U	115 UJ	107 UJ
4-Nitrophenol	479 U	425 U	335 U	350 U	312 U	286 U
Acenaphthene	**8.62 J**	**23.3 J**	1.89 U	604 U	1.58 U	1.61 U
Acenaphthylene	**18.2 J**	**18.9 J**	**2.22 J**	604 U	1.58 U	1.61 U
Anthracene	**39.3 J**	**90.5 J**	**5.39**	**7.66**	1.58 U	1.61 U
Benzo(a)anthracene	**134 J**	**230 J**	**22.7**	604 U	1.58 U	1.61 U
Benzo(a)pyrene	**116 J**	**188 J**	**20.2**	604 U	1.58 U	1.61 U
Benzo(b)fluoranthene	**107 J**	**180 J**	**17.5**	604 UJ	1.58 U	1.61 U
Benzo(g,h,i)perylene	**63.3 J**	**102 J**	**14.3**	604 U	1.58 U	1.61 U
Benzo(k)fluoranthene	**114 J**	**159 J**	**18.2**	604 U	1.58 U	1.61 U
Benzoic Acid	3200 U	2830 UJ	2560 UJ	2410 UJ	458 U	427 U
Benzyl Alcohol	800 U	707 UJ	640 U	604 U	115 U	107 U
Biphenyl (diphenyl)	800 U	707 UJ	640 U	604 U	115 U	107 U
Bis (2-chloroethoxy) methane	800 U	707 UJ	640 UJ	604 UJ	115 U	107 U
Bis (2-chloroethyl) ether	800 U	707 UJ	640 U	604 U	115 U	107 U
Bis (2-ethylhexyl) phthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Butyl benzylphthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Carbazole	800 U	707 UJ	640 U	604 U	115 U	107 U
Chrysene	**128 J**	**233 J**	**22.8**	604 U	**1.73 J**	**1.69 J**
Di-n-butylphthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Di-n-octylphthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Dibenzo (a,h) anthracene	**21.1 J**	**32.6 J**	**3.67 J**	604 U	1.58 U	1.61 U
Dibenzofuran	800 U	707 UJ	640 U	604 U	115 U	107 U
Diethyl phthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Dimethyl phthalate	800 U	707 UJ	640 U	604 U	115 U	107 U
Fluoranthene	**241 J**	**467 J**	**38.1**	**76.6**	1.58 U	1.61 U
Fluorene	**17.7 J**	**33.4 J**	**2.34 J**	604 U	1.58 U	1.61 U
Hexachlorobenzene	800 U	707 UJ	640 U	604 U	115 U	107 U
Hexachlorobutadiene	800 U	707 UJ	640 U	604 U	115 U	107 U
Hexachlorocyclopentadiene	800 UJ	707 UJ	640 UJ	604 UJ	115 U	107 U
Hexachloroethane	800 U	707 UJ	640 U	604 U	115 U	107 U
Indeno (1,2,3-c,d) pyrene	**61.6 J**	**100 J**	**12.4**	604 U	1.58 U	1.61 U
Isophorone	800 U	707 UJ	640 U	604 U	115 U	107 U
n-Nitrosodiphenylamine	800 U	707 UJ	640 U	604 U	115 U	107 U
Naphthalene	**47.1 J**	**31.5 J**	**4.98**	**7.34**	1.58 U	1.61 U
Nitrobenzene	800 U	707 UJ	640 U	604 U	115 U	107 U
Pentachlorophenol	479 U	425 U	335 U	350 U	312 U	286 U
Phenanthrene	**118 J**	**318 J**	**16.7**	604 U	1.58 U	1.61 U
Phenol	800 U	707 UJ	640 U	604 U	115 U	107 U
Pyrene	**169 J**	**362 J**	**34.9**	604 U	1.58 U	1.61 U

TABLE 3-8
Sediment Sampling Analytical Results (36 to 48-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID	SCC-SD-59	SCC-SD-65	SCC-SD-66		SCC-SD-67	
Sample ID	SCC-SD-59-3648	SCC-SD-65-3648	SCC-SD-66-3648	DUP-SCC-SD-66-3648	SCC-SD-67-3648	DUP-SCC-SD-67-3648
Sample Date	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/12/2010	11/12/2010
Volatile Organic Compounds (UG/KG)						
1,1,1-Trichloroethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,1,2,2-Tetrachloroethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,1,2-Trichloroethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,1-Dichloroethane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 U	1.23 U
1,1-Dichloroethene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2,3-Trichlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dibromo-3-chloropropane	3.3 U	3 U	2.67 U	2.65 U	2.61 U	2.47 U
1,2-Dibromoethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dichloroethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dichloroethene, cis-	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dichloroethene, trans-	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,2-Dichloropropane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,3-Dichloropropene, cis-	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,3-Dichloropropene, trans-	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
1,3-Dinitrobenzene	800 U	707 UJ	640 U	604 U	115 U	107 U
1,4-Dioxane	97 U	84.6 U	388 U	604 U	69.5 U	64.8 U
2-Butanone	**23.6**	**14.4 J**	**16.4**	**15.7**	**4.01 J**	**4.58 J**
2-Hexanone	4.12 U	3.75 U	3.33 U	3.32 U	3.27 U	3.09 U
4-Methyl-2-pentanone	4.12 U	3.75 U	3.33 U	3.32 U	3.27 U	3.09 U
Acetone	**129**	**54.5**	**53.9**	**60.9**	**15**	**16.2**
Benzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Bromochloromethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Bromodichloromethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Bromoform	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Bromomethane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 U	1.23 U
Carbon Disulfide	**2.89 J**	**0.908 J**	**2.06 J**	**1.44 J**	**0.686 J**	**1.06 J**
Carbon tetrachloride	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Chlorobenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Chloroethane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 U	1.23 U
Chloroform	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Chloromethane	3.3 U	3 U	2.67 U	2.65 U	2.61 U	2.47 U
Cyclohexane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 U	1.23 U
Dibromochloromethane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Dichlorodifluoromethane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 UJ	1.23 UJ
Ethylbenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Isopropylbenzene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Methyl Acetate	1.65 U	1.5 UJ	1.33 U	1.33 U	1.31 U	1.23 U
Methylcyclohexane	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Methylene chloride	**8.1 J**	**2.53 J**	1.33 U	1.33 U	**1.48 J**	**1.37 J**
Styrene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
tert-Butyl Methyl Ether	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Tetrachloroethene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Toluene	0.824 U	**1.9 J**	**24.9**	**9.13**	**12.3**	**6.94**
Trichloroethene	0.824 U	0.751 U	0.666 U	0.663 U	0.653 U	0.617 U
Trichlorofluoromethane	1.65 U	1.5 U	1.33 U	1.33 U	1.31 U	1.23 U
Other Parameters (MG/KG)						
Total Organic Carbon	**29700**	**41100**	**28400**	NA	**31600**	NA

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-9
Sediment Sampling Analytical Results (48 to 60-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-4857 11/9/2010	SCC-SD-59 SCC-SD-59-4858 11/10/2010	SCC-SD-65 SCC-SD-65-4860 11/11/2010	SCC-SD-66 SCC-SD-66-4860 11/11/2010	SCC-SD-67 SCC-SD-67-4855 11/12/2010
Chemical Name					
Inorganics (MG/KG)					
Aluminum	**8720**	**8470**	**3790**	**4160**	**7060**
Antimony	0.484 U	0.506 U	0.48 U	**0.585 J**	0.467 U
Arsenic	**3.79**	**3.99**	**4.72**	**3.54**	**3.46**
Barium	**86.9**	**90.9**	**42.3**	**62.4**	**99**
Beryllium	**0.386 J**	**0.418 J**	**0.205 J**	**0.203 J**	**0.276 J**
Cadmium	0.318 U	**0.36 J**	**2.09**	0.294 U	0.314 U
Calcium	**74100**	**73900**	**44300**	**81900**	**80900**
Chromium	**13.2**	**15.6**	**16.2**	**8.22**	**13.9**
Cobalt	**7.8**	**8.51**	**4.39**	**5.6**	**8.39**
Copper	**15.6**	**18.5**	**17.7**	**13.5**	**16.6**
Iron	**18700**	**20000**	**9700**	**14100**	**20100**
Lead	**8.79**	**8.99**	**22.7**	**5.68**	**9.09**
Magnesium	**22200**	**20100**	**16400**	**25800**	**19700**
Manganese	**483**	**519**	**261**	**452**	**501**
Mercury	0.121 U	**0.0239 J**	**0.12 J**	**0.0234 J**	**0.0245 J**
Nickel	**18.2**	**19.7**	**9.13**	**12.6**	**19.2**
Potassium	**1720**	**1610**	**522**	**1100**	**1850**
Selenium	0.636 U	0.657 U	0.691 U	0.587 U	0.628 U
Silver	**0.92**	**0.303 J**	0.24 U	**0.274 J**	**0.763**
Sodium	**179**	**241**	**126**	**154**	**213**
Thallium	0.967 U	1.01 U	0.96 U	**0.891 J**	**1.29 J**
Vanadium	**22**	**19**	**9.92**	**11.4**	**19.1**
Zinc	**42.6**	**55.4**	**293**	**27.5**	**44.6**
Polychlorinated Biphenyls (UG/KG)					
Aroclor-1016	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1221	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1232	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1242	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1248	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1254	22.4 U	11.9 U	13.2 U	NA	12.4 U
Aroclor-1260	22.4 U	11.9 U	13.2 U	NA	12.4 U
Semivolatile Organic Compounds (UG/KG)					
1,2,4-Trichlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dichlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,3,5-Trinitrobenzene	119 U	116 U	604 UJ	105 U	123 U
1,3-Dichlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,4-Dichlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
2,4,5-Trichlorophenol	119 U	116 U	604 UJ	105 U	123 U
2,4,6-Trichlorophenol	119 U	116 U	604 UJ	105 U	123 U
2,4-Dichlorophenol	119 U	116 U	604 UJ	105 U	123 U
2,4-Dimethylphenol	119 U	116 U	604 UJ	105 U	123 U
2,4-Dinitrophenol	58.8 UJ	333 UJ	347 UJ	317 U	369 UJ
2,4-Dinitrotoluene	119 U	116 U	604 UJ	105 U	123 U
2,6-Dinitrotoluene	**119 R**	116 U	604 UJ	105 U	123 U
2-Chloronaphthalene	119 U	116 U	604 UJ	105 UJ	123 U
2-Chlorophenol	119 U	116 U	604 UJ	105 U	123 U
2-Methylnaphthalene	3.41 U	**11.1**	**3.41 J**	105 U	1.64 U
2-Methylphenol	119 U	116 U	604 UJ	105 U	123 U
2-Nitroaniline	58.8 U	333 U	347 U	317 U	369 U
2-Nitrophenol	119 U	116 U	604 UJ	105 U	123 U
3,3'-Dichlorobenzidine	238 UJ	231 UJ	1210 UJ	211 U	247 U
3-,4-Methylphenol	119 U	116 U	604 UJ	105 U	123 U
3-Nitroaniline	58.8 U	333 U	347 U	317 U	369 U
4-Bromophenyl phenyl ether	119 U	116 U	604 UJ	105 U	123 U
4-Chloroaniline	119 UJ	116 UJ	604 UJ	105 U	123 UJ
4-Nitrophenol	58.8 UJ	333 U	347 UJ	317 U	369 U
Acenaphthene	3.41 U	1.66 U	1.93 U	105 U	1.64 U
Acenaphthylene	3.41 U	1.66 U	**4**	105 U	1.64 U
Anthracene	3.41 U	**3.66**	**13.4**	105 U	1.64 U
Benzo(a)anthracene	3.41 U	**8.92**	**45.8**	105 U	1.64 U
Benzo(a)pyrene	3.41 U	**7.51**	**41.2**	105 U	1.64 U
Benzo(b)fluoranthene	3.41 U	**7.42**	**37.7**	105 UJ	1.64 U
Benzo(g,h,i)perylene	3.41 U	**5.44**	**27.4**	105 U	1.64 U
Benzo(k)fluoranthene	3.41 U	**9.28**	**35.2**	105 U	1.64 U
Benzoic Acid	476 U	463 U	2410 UJ	422 UJ	493 U
Benzyl Alcohol	119 U	116 U	604 UJ	105 U	123 U
Biphenyl (diphenyl)	119 U	116 U	604 UJ	105 U	123 U
Bis (2-chloroethoxy) methane	**119 R**	116 U	604 UJ	105 UJ	123 U
Bis (2-chloroethyl) ether	119 U	116 U	604 UJ	105 U	123 U
Bis (2-ethylhexyl) phthalate	119 U	116 U	604 UJ	105 U	123 U
Butyl benzylphthalate	119 U	116 U	604 UJ	105 U	123 U
Carbazole	119 U	116 U	604 UJ	105 U	123 U
Chrysene	**3.03 J**	**11.7**	**46.2**	105 U	1.64 U
Di-n-butylphthalate	119 U	116 U	604 UJ	105 U	123 U
Di-n-octylphthalate	119 U	116 U	604 UJ	105 U	123 U
Dibenzo (a,h) anthracene	3.41 U	1.66 U	**7.01**	105 U	1.64 U
Dibenzofuran	119 U	116 U	604 UJ	105 U	123 U
Diethyl phthalate	119 U	116 U	604 UJ	105 U	123 U
Dimethyl phthalate	119 U	116 U	604 UJ	105 U	123 U
Fluoranthene	3.41 U	**24.6**	**90.1**	105 U	1.64 U
Fluorene	3.41 U	**3.04 J**	**4.55**	105 U	1.64 U
Hexachlorobenzene	119 U	116 U	604 UJ	105 U	123 U
Hexachlorobutadiene	119 U	116 U	604 UJ	105 U	123 U
Hexachlorocyclopentadiene	119 U	116 UJ	604 UJ	105 UJ	123 U
Hexachloroethane	119 U	116 U	604 UJ	105 U	123 U
Indeno (1,2,3-c,d) pyrene	3.41 U	**4.52**	**24.4**	105 U	1.64 U
Isophorone	119 U	116 U	604 UJ	105 U	123 U
n-Nitrosodiphenylamine	**119 R**	116 U	604 UJ	105 U	123 U
Naphthalene	3.41 U	**29.8**	6.35 U	105 U	1.64 U
Nitrobenzene	119 U	116 U	604 UJ	105 U	123 U
Pentachlorophenol	58.8 UJ	333 U	347 U	317 U	369 U
Phenanthrene	**2.57 J**	**18.3**	**41**	105 U	1.64 U
Phenol	119 U	116 U	604 UJ	105 U	123 U
Pyrene	3.41 U	**18.3**	**72.5**	105 U	1.64 U

TABLE 3-9
Sediment Sampling Analytical Results (48 to 60-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-4857 11/9/2010	SCC-SD-59 SCC-SD-59-4858 11/10/2010	SCC-SD-65 SCC-SD-65-4860 11/11/2010	SCC-SD-66 SCC-SD-66-4860 11/11/2010	SCC-SD-67 SCC-SD-67-4855 11/12/2010
Volatile Organic Compounds (UG/KG)					
1,1,1-Trichloroethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,1,2,2-Tetrachloroethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,1,2-Trichloroethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,1-Dichloroethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
1,1-Dichloroethene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2,3-Trichlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dibromo-3-chloropropane	2.76 U	2.79 U	2.54 U	2.37 U	2.48 U
1,2-Dibromoethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dichloroethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dichloroethene, cis-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dichloroethene, trans-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,2-Dichloropropane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,3-Dichloropropene, cis-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,3-Dichloropropene, trans-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
1,3-Dinitrobenzene	119 U	116 U	604 UJ	105 U	123 U
1,4-Dioxane	72.2 U	70.1 U	81 U	63.9 U	74.8 U
2-Butanone	3.45 U	3.48 U	**9.6 J**	**4.22 J**	**3.27 J**
2-Hexanone	3.45 U	3.48 U	3.17 U	2.96 U	3.1 U
4-Methyl-2-pentanone	3.45 U	3.48 U	3.17 U	2.96 U	3.1 U
Acetone	**8.41 J**	**17.4**	**33.5**	**10.9 J**	**18.4**
Benzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Bromochloromethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Bromodichloromethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Bromoform	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Bromomethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Carbon Disulfide	0.689 U	**0.863 J**	**1.37 J**	**1.68 J**	**0.895 J**
Carbon tetrachloride	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Chlorobenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Chloroethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Chloroform	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Chloromethane	2.76 U	2.79 U	2.54 U	2.37 U	2.48 U
Cyclohexane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Dibromochloromethane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Dichlorodifluoromethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 UJ
Ethylbenzene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Isopropylbenzene	0.689 UJ	0.697 U	0.634 U	0.592 U	0.62 U
Methyl Acetate	1.38 U	1.39 U	1.27 UJ	1.18 U	1.24 U
Methylcyclohexane	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Methylene chloride	1.38 U	1.39 U	**2.66 J**	1.18 U	1.24 U
Styrene	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
tert-Butyl Methyl Ether	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Tetrachloroethene	0.689 UJ	0.697 U	0.634 U	0.592 U	0.62 U
Toluene	**0.869 J**	0.697 U	**1.59 J**	**3.38 J**	**2.78 J**
Trichloroethene	0.689 UJ	0.697 U	0.634 U	0.592 U	0.62 U
Trichlorofluoromethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Trichlorotrifluoroethane	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Vinyl chloride	1.38 U	1.39 U	1.27 U	1.18 U	1.24 U
Xylene, m,p-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Xylene, o-	0.689 U	0.697 U	0.634 U	0.592 U	0.62 U
Other Parameters (MG/KG)					
Total Organic Carbon	**30300**	**11800**	**26300**	**22200**	**22800**

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-10

Sediment Sampling Analytical Results (60 to 72-inches)

Phase III Sediment Investigation Data Report

Former Hampshire Chemical Corp

The Dow Chemical Company, Waterloo, NY

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-3648 11/11/2010	SCC-SD-65 SCC-SD-65-6072 11/11/2010	SCC-SD-66 SCC-SD-66-6072 11/11/2010
Chemical Name			
Inorganics (MG/KG)			
Aluminum	**5000**	**4600**	**3490**
Antimony	0.463 U	0.462 U	**0.418 J**
Arsenic	**2.84**	**2.81**	**2.9**
Barium	**52.4**	**45.7**	**55.6**
Beryllium	**0.247 J**	**0.241 J**	**0.179 J**
Cadmium	**1.54**	**1.39**	0.275 U
Calcium	**53600**	**41600**	**81300**
Chromium	**10.3 J J**	**17.8 J**	**7.16**
Cobalt	**5.42**	**4.77**	**5.02**
Copper	**16.2**	**22.1**	**12.8**
Iron	**12600**	**11300**	**12400**
Lead	**19.5**	**22.8**	**4.82**
Magnesium	**18800**	**14400**	**26700**
Manganese	**343**	**262**	**443**
Mercury	**0.136**	**0.121 J**	**0.0199 J**
Nickel	**12**	**10.8**	**11**
Potassium	**910**	**785**	**910**
Selenium	0.63 U	0.675 U	0.551 U
Silver	0.232 U	0.231 U	**0.213 J**
Sodium	**135**	**124**	**144**
Thallium	0.926 U	0.923 U	**0.77 J**
Vanadium	**11.8**	**11.3**	**10.3**
Zinc	**117**	**318**	**23.9**
Polychlorinated Biphenyls (UG/KG)			
Aroclor-1016	12.7 U	12.9 U	9.71 U
Aroclor-1221	12.7 U	12.9 U	9.71 U
Aroclor-1232	12.7 U	12.9 U	9.71 U
Aroclor-1242	12.7 U	12.9 U	9.71 U
Aroclor-1248	12.7 U	12.9 U	9.71 U
Aroclor-1254	12.7 U	12.9 U	9.71 U
Aroclor-1260	12.7 U	12.9 U	9.71 U
Semivolatile Organic Compounds (UG/KG)			
1,2,4-Trichlorobenzene	0.642 U	0.627 U	0.623 U
1,2-Dichlorobenzene	0.642 U	0.627 U	0.623 U
1,3,5-Trinitrobenzene	120 UJ	125 UJ	108 U
1,3-Dichlorobenzene	0.642 U	0.627 U	0.623 U
1,4-Dichlorobenzene	0.642 U	0.627 U	0.623 U U
2,4,5-Trichlorophenol	120 UJ	125 UJ	108 U
2,4,6-Trichlorophenol	120 UJ	125 UJ	108 U
2,4-Dichlorophenol	120 UJ	125 UJ	108 U
2,4-Dimethylphenol	120 UJ	125 UJ	108 U
2,4-Dinitrophenol	382 U	358 UJ	336 U
2,4-Dinitrotoluene	120 UJ	125 UJ	108 U
2,6-Dinitrotoluene	120 UJ	125 UJ	108 U
2-Chloronaphthalene	120 UJ	125 UJ	108 UJ
2-Chlorophenol	120 UJ	125 UJ	108 U
2-Methylnaphthalene	120 UJ	1.91 U	108 U U
2-Methylphenol	120 UJ	125 UJ	108 U
2-Nitroaniline	382 U	358 U	336 U
2-Nitrophenol	120 UJ	125 UJ	108 U
3,3'-Dichlorobenzidine	241 UJ	250 UJ	215 U
3-,4-Methylphenol	120 UJ	125 UJ	108 U
3-Nitroaniline	382 U	358 U	336 U
4-Bromophenyl phenyl ether	120 UJ	125 UJ	108 U
4-Chloroaniline	120 UJ	125 UJ	108 U
4-Nitrophenol	382 U	358 UJ	336 U
Acenaphthene	**7.04**	1.91 U	108 U
Acenaphthylene	120 UJ	1.91 U	108 U
Anthracene	**50 J**	**5.58 J**	108 U
Benzo(a)anthracene	**124 J**	**17.9 J**	108 U
Benzo(a)pyrene	**95.8 J**	**14.6 J**	108 U
Benzo(b)fluoranthene	**87.6 J**	**13.5 J**	108 UJ
Benzo(g,h,i)perylene	**51.2 J**	**9.12 J**	108 U
Benzo(k)fluoranthene	**83.6 J**	**13.2 J**	108 U
Benzoic Acid	481 UJ	499 UJ	431 UJ
Benzyl Alcohol	120 UJ	125 UJ	108 U
Biphenyl (diphenyl)	120 UJ	125 UJ	108 U
Bis (2-chloroethoxy) methane	120 UJ	125 UJ	108 UJ
Bis (2-chloroethyl) ether	120 UJ	125 UJ	108 U
Bis (2-ethylhexyl) phthalate	120 UJ	125 UJ	108 U
Butyl benzylphthalate	120 UJ	125 UJ	108 U
Carbazole	120 UJ	125 UJ	108 U
Chrysene	**124 J**	**17.5 J**	108 U
Di-n-butylphthalate	120 UJ	125 UJ	108 U
Di-n-octylphthalate	120 UJ	125 UJ	108 U
Dibenzo (a,h) anthracene	**15.1**	**2.58 J**	108 U
Dibenzofuran	120 UJ	125 UJ	108 U
Diethyl phthalate	120 UJ	125 UJ	108 U
Dimethyl phthalate	120 UJ	125 UJ	108 U
Fluoranthene	**258 J**	**34.6 J**	108 U
Fluorene	**19.1 J**	**2.55 J**	108 U
Hexachlorobenzene	120 UJ	125 UJ	108 U
Hexachlorobutadiene	120 UJ	125 UJ	108 U
Hexachlorocyclopentadiene	120 UJ	125 UJ	108 UJ
Hexachloroethane	120 UJ	125 UJ	108 U
Indeno (1,2,3-c,d) pyrene	**47.8 J**	**8.3 J**	108 U
Isophorone	120 UJ	125 UJ	108 U
n-Nitrosodiphenylamine	120 UJ	125 UJ	108 U
Naphthalene	**20.3 J**	3.81 U	108 U
Nitrobenzene	120 UJ	125 UJ	108 U
Pentachlorophenol	382 U	358 U	336 U
Phenanthrene	**193 J**	**17.1 J**	108 U
Phenol	120 UJ	125 UJ	108 U
Pyrene	**239 J**	**29.7 J**	108 U

TABLE 3-10

Sediment Sampling Analytical Results (60 to 72-inches)

Phase III Sediment Investigation Data Report

Former Hampshire Chemical Corp

The Dow Chemical Company, Waterloo, NY

Station ID **Sample ID** **Sample Date**	SCC-SD-50 SSC-SD-50-3648 11/11/2010	SCC-SD-65 SCC-SD-65-6072 11/11/2010	SCC-SD-66 SCC-SD-66-6072 11/11/2010
Chemical Name			
Volatile Organic Compounds (UG/KG)			
1,1,1-Trichloroethane	0.642 U	0.627 U	0.623 U
1,1,2,2-Tetrachloroethane	0.642 U	0.627 U	0.623 U
1,1,2-Trichloroethane	0.642 U	0.627 U	0.623 U
1,1-Dichloroethane	1.28 U	1.25 U	1.25 U
1,1-Dichloroethene	0.642 U	0.627 U U	0.623 U
1,2,3-Trichlorobenzene	0.642 U	0.627 U	0.623 U
1,2-Dibromo-3-chloropropane	2.57 U	2.51 U	2.49 U
1,2-Dibromoethane	0.642 U	0.627 U	0.623 U
1,2-Dichloroethane	0.642 U	0.627 U	0.623 U
1,2-Dichloroethene, cis-	0.642 U	0.627 U	0.623 U
1,2-Dichloroethene, trans-	0.642 U	0.627 U	0.623 U
1,2-Dichloropropane	0.642 U	0.627 U	0.623 U
1,3-Dichloropropene, cis-	0.642 U	0.627 U	0.623 U
1,3-Dichloropropene, trans-	0.642 U	0.627 U	0.623 U
1,3-Dinitrobenzene	120 UJ	125 UJ	108 U
1,4-Dioxane	73.8 U	79.6 U	65.3 U
2-Butanone	**4.8 J**	**4.22 J**	3.11 U
2-Hexanone	3.21 U	3.13 U	3.11 U
4-Methyl-2-pentanone	3.21 U	3.13 U	3.11 U
Acetone	**30.9**	**14.8**	12.4
Benzene	0.642 U	0.627 U	0.623 U
Bromochloromethane	0.642 U	0.627 U	0.623 U
Bromodichloromethane	0.642 U	0.627 U	0.623 U U
Bromoform	0.642 U	0.627 U	0.623 U
Bromomethane	1.28 U	1.25 U	1.25 U
Carbon Disulfide	**11.8**	**9.48**	**0.974 J**
Carbon tetrachloride	0.642 U	0.627 U	0.623 U
Chlorobenzene	0.642 U	0.627 U	0.623 U
Chloroethane	1.28 U	1.25 U	1.25 U
Chloroform	0.642 U	0.627 U	0.623 U
Chloromethane	2.57 U	2.51 U	2.49 U
Cyclohexane	1.28 U	1.25 U	1.25 U
Dibromochloromethane	0.642 U	0.627 U	0.623 U
Dichlorodifluoromethane	1.28 U	1.25 U	1.25 U
Ethylbenzene	0.642 U	0.627 U	0.623 U
Isopropylbenzene	0.642 U	0.627 U	0.623 U
Methyl Acetate	1.28 UJ	1.25 UJ	1.25 U
Methylcyclohexane	0.642 U	0.627 U	0.623 U
Methylene chloride	**2.23 J**	**2.82 J**	1.25 U
Styrene	0.642 U	0.627 U	0.623 U
tert-Butyl Methyl Ether	0.642 U	0.627 U	0.623 U
Tetrachloroethene	0.642 U	0.627 U	0.623 U
Toluene	**16.9**	**6.49**	**7.46**
Trichloroethene	0.642 U	0.627 U	0.623 U
Trichlorofluoromethane	1.28 U	1.25 U	1.25 U
Trichlorotrifluoroethane	1.28 U	1.25 U U	1.25 U
Vinyl chloride	1.28 U	1.25 U	1.25 U
Xylene, m,p-	0.642 U	0.627 U	0.623 U
Xylene, o-	0.642 U	0.627 U	0.623 U
Other Parameters (MG/KG)			
Total Organic Carbon	**29100**	NA	NA

Notes:

NA = Not analyzed

J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.

N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate.

mg/kg = Milligrams per Kilogram

ug/kg = Micrograms per Kilogram

ug/l = Micrograms per Liter

Bold indicates the analyte was detected

Shading indicates the result exceeded screening criteria

TABLE 3-11
Sediment Sampling Analytical Results (48 to 60-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID	SCC-SD-65
Sample ID	SSC-SD-65-7282
Sample Date	11/11/2010
Chemical Name	
Inorganics (MG/KG)	
Aluminum	**3960**
Antimony	0.459 U
Arsenic	**2.53**
Barium	**52.7**
Beryllium	**0.205 J**
Cadmium	0.279 U
Calcium	**81000**
Chromium	**15.2**
Cobalt	**4.84**
Copper	**13.9**
Iron	**11300**
Lead	**4.82**
Magnesium	**26900**
Manganese	**464**
Mercury	**0.0263 J**
Nickel	**10.8**
Potassium	**824**
Selenium	0.558 U
Silver	0.229 U
Sodium	**134**
Thallium	0.917 U
Vanadium	**10**
Zinc	**30.7**
Polychlorinated Biphenyls (UG/KG)	
Aroclor-1016	10.7 U
Aroclor-1221	10.7 U
Aroclor-1232	10.7 U
Aroclor-1242	10.7 U
Aroclor-1248	10.7 U
Aroclor-1254	10.7 U
Aroclor-1260	10.7 U
Semivolatile Organic Compounds (UG/KG)	
1,2,4-Trichlorobenzene	0.59 U
1,2-Dichlorobenzene	0.59 U
1,3,5-Trinitrobenzene	**165 J**
1,3-Dichlorobenzene	0.59 U
1,4-Dichlorobenzene	0.59 U
2,4,5-Trichlorophenol	114 UJ
2,4,6-Trichlorophenol	114 UJ
2,4-Dichlorophenol	114 UJ
2,4-Dimethylphenol	114 UJ
2,4-Dinitrophenol	336 U
2,4-Dinitrotoluene	114 UJ
2,6-Dinitrotoluene	114 UJ
2-Chloronaphthalene	114 UJ
2-Chlorophenol	114 UJ
2-Methylnaphthalene	1.74 U
2-Methylphenol	114 UJ
2-Nitroaniline	336 U
2-Nitrophenol	114 UJ
3,3'-Dichlorobenzidine	227 UJ
3-,4-Methylphenol	114 UJ
3-Nitroaniline	336 U
4-Bromophenyl phenyl ether	114 UJ
4-Chloroaniline	114 UJ
4-Nitrophenol	336 U
Acenaphthene	1.74 U
Acenaphthylene	1.74 U
Anthracene	1.74 U
Benzo(a)anthracene	1.74 U
Benzo(a)pyrene	1.74 U
Benzo(b)fluoranthene	1.74 U
Benzo(g,h,i)perylene	1.74 U
Benzo(k)fluoranthene	1.74 U
Benzoic Acid	455 UJ
Benzyl Alcohol	114 UJ
Biphenyl (diphenyl)	114 UJ
Bis (2-chloroethoxy) methane	114 UJ
Bis (2-chloroethyl) ether	114 UJ
Bis (2-ethylhexyl) phthalate	114 UJ
Butyl benzylphthalate	114 UJ
Carbazole	114 UJ
Chrysene	1.74 U
Di-n-butylphthalate	114 UJ
Di-n-octylphthalate	114 UJ
Dibenzo (a,h) anthracene	1.74 U
Dibenzofuran	114 UJ
Diethyl phthalate	114 UJ
Dimethyl phthalate	114 UJ
Fluoranthene	1.74 U
Fluorene	1.74 U
Hexachlorobenzene	114 UJ
Hexachlorobutadiene	114 UJ
Hexachlorocyclopentadiene	114 UJ
Hexachloroethane	114 UJ
Indeno (1,2,3-c,d) pyrene	1.74 U
Isophorone	114 UJ
n-Nitrosodiphenylamine	114 UJ
Naphthalene	**2.01 J**
Nitrobenzene	114 UJ
Pentachlorophenol	336 UJ
Phenanthrene	**1.9 J**
Phenol	114 UJ
Pyrene	1.74 U

TABLE 3-11
Sediment Sampling Analytical Results (48 to 60-inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, NY

Station ID	SCC-SD-65
Sample ID	SSC-SD-65-7282
Sample Date	11/11/2010
Volatile Organic Compounds (UG/KG)	
1,1,1-Trichloroethane	0.59 U
1,1,2,2-Tetrachloroethane	0.59 U
1,1,2-Trichloroethane	0.59 U
1,1-Dichloroethane	1.18 U
1,1-Dichloroethene	0.59 U
1,2,3-Trichlorobenzene	0.59 U
1,2-Dibromo-3-chloropropane	2.36 U
1,2-Dibromoethane	0.59 U
1,2-Dichloroethane	0.59 U
1,2-Dichloroethene, cis-	0.59 U
1,2-Dichloroethene, trans-	0.59 U
1,2-Dichloropropane	0.59 U
1,3-Dichloropropene, cis-	0.59 U U
1,3-Dichloropropene, trans-	0.59 U
1,3-Dinitrobenzene	114 UJ
1,4-Dioxane	66.1 U
2-Butanone	2.95 U
2-Hexanone	2.95 U
4-Methyl-2-pentanone	2.95 U
Acetone	5.9 U
Benzene	0.59 U
Bromochloromethane	0.59 U
Bromodichloromethane	0.59 U
Bromoform	0.59 U
Bromomethane	1.18 U
Carbon Disulfide	**2.15 J**
Carbon tetrachloride	0.59 U
Chlorobenzene	0.59 U
Chloroethane	1.18 U
Chloroform	0.59 U
Chloromethane	2.36 U
Cyclohexane	1.18 U
Dibromochloromethane	0.59 U
Dichlorodifluoromethane	1.18 U
Ethylbenzene	0.59 U
Isopropylbenzene	0.59 U
Methyl Acetate	1.18 U
Methylcyclohexane	0.59 U
Methylene chloride	**2.69 J**
Styrene	0.59 U
tert-Butyl Methyl Ether	0.59 U
Tetrachloroethene	0.59 U
Toluene	**4.88 J**
Trichloroethene	0.59 U
Trichlorofluoromethane	1.18 U
Trichlorotrifluoroethane	1.18 U
Vinyl chloride	1.18 U
Xylene, m,p-	0.59 U
Xylene, o-	0.59 U
Other Parameters (MG/KG)	
Total Organic Carbon	**21400**

Notes:
NA = Not analyzed
J = The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample
N = The analysis indicates the presence of an analyte for which there was presumptive evidence to make a tentative identification
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was below the reported sample quantitation limit. However, the reported value is approximate
mg/kg = Milligrams per Kilogram
ug/kg = Micrograms per Kilogram
ug/l = Micrograms per Liter
Bold indicates the analyte was detected
Shading indicates the result exceeded screening criteria

TABLE 3-12
Summary Statistic - AOC A Subsurface Sediment (6 - 12 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Sample ID of Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Aluminum	-- - --	18 / 18	7,830	SCC-SD-60-0612	3162	1642	2,000	14 / 18
Antimony	0.427 0.68	3 / 18	0.601	SCC-SD-54-0612	0.088	0.205	2.00	0 / 18
Arsenic	-- - --	18 / 18	5	SCC-SD-54 -0612	2.63	0.92	6.00	0 / 18
Barium	-- - --	18 / 18	86.7	SCC-SD-60-0612	32.1	19.9	NSV	-- / --
Beryllium	-- - --	18 / 18	0.385	SCC-SD-60-0612	0.170	0.088	NSV	-- / --
Cadmium	0.271 0.376	8 / 18	2.11	SCC-SD-54-0612	0.448	0.660	0.60	5 / 18
Calcium	-- - --	18 / 18	110,000	SCC-SD-69-0612	33211	28618	NSV	-- / --
Chromium	-- - --	18 / 18	15.6	SCC-SD-56-0612	7.34	3.73	26.0	0 / 18
Cobalt	-- - --	18 / 18	8.36	SCC-SD-60-0612	3.76	1.37	NSV	-- / --
Copper	-- - --	18 / 18	86.7	SCC-SD-54-0612	22.1	19.2	16.0	8 / 18
Iron	-- - --	18 / 18	18,800	SCC-SD-60-0612	9314	3373	20,000	0 / 18
Lead	-- - --	18 / 18	134	SCC-SD-54-0612	31.2	33.9	31.0	6 / 18
Magnesium	-- - --	18 / 18	57,900	SCC-SD-69-0612	10553	12482	NSV	-- / --
Manganese	-- - --	18 / 18	498	SCC-SD-60-0612	166	105	460	1 / 18
Mercury	0.117 0.117	17 / 18	1.06	SCC-SD-54-0612	0.231	0.324	0.15	5 / 18
Nickel	-- - --	18 / 18	19.1	SCC-SD-60-0612	8.38	3.50	16.0	1 / 18
Potassium	-- - --	18 / 18	1,530	SCC-SD-60-0612	477	316	NSV	-- / --
Selenium	0.543 - 0.904	1 / 18	0.892	SCC-SD-54-0612	0.050	0.210	NSV	-- / --
Silver	0.199 - 0.34	7 / 18	1.59	SCC-SD-54-0612	0.210	0.389	1.00	1 / 18
Sodium	-- - --	18 / 18	325	SCC-SD-58-0612	172	71.5	NSV	-- / --
Vanadium	-- - --	18 / 18	27	SCC-SD-54-0612	11.0	6.35	NSV	-- / --
Zinc	-- - --	18 / 18	696	SCC-SD-54-0612	209	226	120	9 / 18
Polychlorinated Biphenyls (UG/KG)								
Aroclor-1254	9.94 - 27.2	3 / 17	456	SCC-SD-64-0612	28.8	110	74.0	1 / 17
Aroclor-1260	9.69 - 25.3	3 / 17	107	SCC-SD-54-0612	8.82	26.6	74.0	1 / 17
Total PCBs	-- - --	3 / 17	466	SCC-SD-54-0612	63.40	107.0	74.0	2 / 17
Polycyclic Aromatic hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.29 - 747	10 / 18	184	SCC-SD-52-0612	14.1	41.5	1799	0 / 18
Acenaphthene	1.91 - 794	10 / 18	689	SCC-SD-52-0612	38.5	146	7,406	0 / 18
Acenaphthylene	1.29 - 794	15 / 18	52.1	SCC-SD-67-0612	10.9	13.6	44.0	1 / 18
Anthracene	2.07 - 794	16 / 18	1,410	SCC-SD-52-0612	95.7	299	5,660	0 / 18
Benzo(a)anthracene	2.07 - 794	16 / 18	2,510	SCC-SD-52-0612	249	552	635	2 / 18
Benzo(a)pyrene	2.07 - 794	16 / 18	2,000	SCC-SD-52-0612	187	431	430	2 / 18
Benzo(b)fluoranthene	2.07 - 794	16 / 18	1,800	SCC-SD-52-0612	184	390	NSV	-- / --
Benzo(g,h,i)perylene	2.07 - 794	16 / 18	664	SCC-SD-52-0612	89	152	NSV	-- / --
Benzo(k)fluoranthene	2.07 - 794	16 / 18	1,930	SCC-SD-52-0612	182	413	NSV	-- / --
Chrysene	3.19 - 617	17 / 18	2,330	SCC-SD-52-0612	278	523	384	5 / 18
Dibenzo (a,h) anthracene	1.29 - 794	15 / 18	290	SCC-SD-52-0612	28.4	63.0	63.4	2 / 18
Fluoranthene	3.19 - 617	17 / 18	5,080	SCC-SD-52-0612	619	1143	53,958	0 / 18
Fluorene	1.29 - 794	15 / 18	661	SCC-SD-52-0612	41.2	140	423	1 / 18
Indeno (1,2,3-c,d) pyrene	2.07 - 794	16 / 18	695	SCC-SD-52-0612	76.2	154	200	2 / 18
Naphthalene	1.29 - 794	12 / 18	544	SCC-SD-52-0612	31.0	115	1,587	0 / 18
Phenanthrene	3.19 - 794	17 / 18	4810	SCC-SD-52-0612	323	1016	6,348	0 / 18
Pyrene	3.19 617	17 / 18	3,940	SCC-SD-52-0612	507	900	50,837	0 / 18
Total PAHs	-- - --	17 / 18	2,060	SCC-SD-52-0612	3,876	5,394	4,000	5 / 18
Volatile Organic Compounds (UG/KG)								
2-Butanone	3.15 - 3.9	15 / 18	42.2	SCC-SD-55-0612	15.5	14.7	NSV	-- / --
Acetone	6.3 - 30.4	15 / 18	183	SCC-SD-55-0612	59.2	54.8	NSV	-- / --
Benzene	0.565 - 0.886	2 / 18	1.32	SCC-SD-65-0612	0.126	0.371	1,481	0 / 18
Carbon Disulfide	0.78 - 0.78	17 / 18	5.88	SCC-SD-55-0612	2.40	1.46	NSV	-- / --
Chlorobenzene	0.565 - 0.886	3 / 18	1.42	SCC-SD-54-0612	0.179	0.424	185	0 / 18
Dichlorodifluoromethane	1.13 - 1.77	1 / 18	1.22	SCC-SD-69-0612	0.068	0.288	NSV	-- / --
Methylene chloride	1.41 - 1.77	9 / 18	4.5	SCC-SD-62-0612	1.26	1.51	NSV	-- / --
Toluene	0.565 - 0.886	10 / 18	180	SCC-SD-65-0612	18.7	48.2	2,592	0 / 18
Xylene, m,p-	0.565 - 0.886	2 / 18	2.32	SCC-SD-65-0612	0.194	0.598	4,867	0 / 18
Xylene, o-	0.565 - 0.886	2 / 18	1.13	SCC-SD-65-0612	0.110	0.323	4,867	0 / 18

TABLE 3-13
Summary Statistic - AOC A Sediment 12 to 24 Inches
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	15 / 15	13,100	SCC-SD-51-1224	4249	3239	2,000	11 / 15
Antimony	0.396 - 0.719	2 / 15	0.946	SCC-SD-66-1224	0.09	0.14	2.00	0 / 15
Arsenic	-- - --	15 / 15	4.45	SCC-SD-57-1224	2.70	0.90	6.00	0 / 15
Barium	-- - --	15 / 15	83.2	SCC-SD-58-1224	38.6	21.0	NSV	-- / --
Beryllium	-- - --	15 / 15	0.519	SCC-SD-51-1224	0.199	0.126	NSV	-- / --
Cadmium	0.287 - 0.47	9 / 15	3.58	SCC-SD-54-1224	0.974	1.03	0.60	8 / 15
Calcium	-- - --	15 / 15	68,800	SCC-SD-62-1224	33797	18837	NSV	-- / --
Chromium	-- - --	15 / 15	14.6	SCC-SD-51-1224	8.29	3.40	26.0	0 / 15
Cobalt	-- - --	15 / 15	8.6	SCC-SD-58-1224	4.31	1.82	NSV	-- / --
Copper	-- - --	15 / 15	56.3	SCC-SD-57-1224	26.1	16.8	16.0	10 / 15
Iron	-- - --	15 / 15	20,500	SCC-SD-58-1224	10505	4894	20,000	1 / 15
Lead	-- - --	15 / 15	128	SCC-SD-59-1224	27.3	30.0	31.0	2 / 15
Magnesium	-- - --	15 / 15	19,000	SCC-SD-58-1224	10550	4632	NSV	-- / --
Manganese	-- - --	15 / 15	478	SCC-SD-58-1224	199	104	460	1 / 15
Mercury	0.117 - 0.117	15 / 15	4.86	SCC-SD-66-1224	0.577	1.23	0.15	7 / 15
Nickel	-- - --	15 / 15	20.3	SCC-SD-58-1224	9.38	4.29	16.0	1 / 15
Potassium	-- - --	15 / 15	1730	SCC-SD-51-1224	605	479	NSV	-- / --
Selenium	0.544 - 1.37	1 / 15	1.31	SCC-SD-54-1224	0.70	0.20	NSV	-- / --
Silver	0.198 - 0.359	9 / 15	0.6	SCC-SD-52-1224	0.34	0.12	1.00	0 / 15
Sodium	-- - --	15 / 15	281	SCC-SD-58-1224	157	53.1	NSV	-- / --
Vanadium	-- - --	15 / 15	28	SCC-SD-57-1224	11.6	6.82	NSV	-- / --
Zinc	-- - --	15 / 15	794	SCC-SD-57-1224	254	262	120	10 / 15
Pesticide/Polychlorinated Biphenyls (UG/KG)								
Aroclor-1254	8.92 - 32.1	2 / 15	83.5	SCC-SD-57-1224	5.39	19.8	74.0	1 / 15
Aroclor-1260	8.92 - 32.1	2 / 15	24.4	SCC-SD-57-1224	2.16	6.51	74.0	0 / 15
Total PCBs	-- - --	2 / 15	98.3	SCC-SD-57-1224	35.9	19.4	74.0	1 / 15
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.56 - 638	11 / 15	76	SCC-SD-59-1224	14.2	20.7	1799	0 / 15
Acenaphthene	1.9 - 638	12 / 15	317	SCC-SD-59-1224	48.8	86.9	7,406	0 / 15
Acenaphthylene	1.56 - 638	11 / 15	35.2	SCC-SD-54 -1224	13.2	11.3	44.0	0 / 15
Anthracene	1.9 - 638	12 / 15	509	SCC-SD-59-1224	104	146	5,660	0 / 15
Benzo(a)anthracene	2.97 - 638	13 / 15	970	SCC-SD-59-1224	268	337	635	3 / 15
Benzo(a)pyrene	1.9 - 638	13 / 15	803	SCC-SD-59-1224	225	280	430	4 / 15
Benzo(b)fluoranthene	2.97 - 638	13 / 15	756	SCC-SD-59-1224	199	248	NSV	-- / --
Benzo(g,h,i)perylene	1.9 - 638	12 / 15	457	SCC-SD-52-1224	129	166	NSV	-- / --
Benzo(k)fluoranthene	2.97 - 638	13 / 15	761	SCC-SD-59-1224	196	251	NSV	-- / --
Chrysene	2.97 - 638	14 / 15	857	SCC-SD-59-1224	260	320	384	5 / 15
Dibenzo (a,h) anthracene	1.56 - 638	11 / 15	395	SCC-SD-52-1224	74.0	131	63.4	5 / 15
Fluoranthene	2.97 - 638	14 / 15	2,040	SCC-SD-59-1224	609	772	53,958	0 / 15
Fluorene	1.9 - 638	12 / 15	280	SCC-SD-59-1224	51.8	81.0	423	0 / 15
Indeno (1,2,3-c,d) pyrene	1.9 - 638	12 / 15	553	SCC-SD-52-1224	140	193	NSV	4 / 15
Naphthalene	1.9 - 638	10 / 15	174	SCC-SD-59-1224	31.5	51.5	1,587	0 / 15
Phenanthrene	2.97 - 638	14 / 15	1,960	SCC-SD-59-1224	454	630	6,348	0 / 15
Pyrene	2.97 - 638	14 / 15	1,570	SCC-SD-59-1224	478	594	50,837	0 / 15
Total PAHs	-- - --	14 / 15	11,940	SCC-SD-59-1224	3,104	3,726	4,000	6 / 15
Volatile Organic Compounds (UG/KG)								
2-Butanone	3.05 - 3.06	13 / 15	59.9	SCC-SD-55-1224	18.4	15.4	NSV	-- / --
2-Hexanone	2.72 4.96	1 / 15	4.15	SCC-SD-64 -1224	3.47	0.58	NSV	-- / --
Acetone	6.1 - 6.1	14 / 15	238	SCC-SD-55-1224	68.3	58.6	NSV	-- / --
Benzene	0.544 - 0.992	2 / 15	1.79	SCC-SD-64-1224	0.76	0.31	1,481	0 / 15
Carbon Disulfide	0.604 - 2.75	15 / 15	4.49	SCC-SD-55-1224	2.50	1.34	NSV	-- / --
Chlorobenzene	0.544 - 0.992	2 / 15	4.24	SCC-SD-52-1224	0.92	0.92	185	0 / 15
Ethylbenzene	0.544 - 0.992	1 / 15	0.719	SCC-SD-64-1224	0.69	0.11	1,270	0 / 15
Methylene chloride	1.14 - 2.89	7 / 15	7.47	SCC-SD-57-1224	2.28	1.60	NSV	-- / --
Toluene	0.569 - 0.992	8 / 15	272	SCC-SD-64-1224	26.5	69.6	2,592	0 / 15
Xylene, m,p-	0.544 - 0.992	1 / 15	2.63	SCC-SD-64-1224	0.81	0.51	4,867	0 / 15
Xylene, o-	0.544 - 0.992	1 / 15	1.57	SCC-SD-64-1224	0.74	0.25	4,867	0 / 15
Semivolatile Organic Compounds (UG/KG)								
Carbazole	114 - 938	1 / 15	152	SCC-SD-52-1224	152	--	1,800	0 / 15

TABLE 3-14
Summary Statistic - AOC A SubSurface Sediment (24 - 36 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	11 / 11	11,800	SCC-SD-51-2436	4028	2820	2,000	11 / 11
Antimony	0.398 - 0.5	1 / 11	0.508	SCC-SD-66-2436	0.481	0.044	2.00	0 / 11
Arsenic	-- - --	11 / 11	5.59	SCC-SD-52-2436	2.81	1.32	6.00	0 / 11
Barium	-- - --	11 / 11	105	SCC-SD-51-2436	47.1	24.8	NSV	-- / --
Beryllium	-- - --	11 / 11	0.544	SCC-SD-51-2436	0.198	0.140	NSV	-- / --
Cadmium	0.278 - 0.3	7 / 11	4.59	SCC-SD-59-2436	1.21	1.36	0.60	7 / 11
Calcium	-- - --	11 / 11	128,000	SCC-SD-63-2436	43733	33401	NSV	-- / --
Chromium	-- - --	11 / 11	17.2	SCC-SD-54-2436	10.0	4.48	26.0	0 / 11
Cobalt	-- - --	11 / 11	7.77	SCC-SD-58-2436	4.07	1.52	NSV	-- / --
Copper	-- - --	11 / 11	19.5	SCC-SD-58-2436	14.4	5.10	16.0	6 / 11
Iron	-- - --	11 / 11	18200	SCC-SD-58-2436	9423	4010	20,000	0 / 11
Lead	-- - --	11 / 11	52.2	SCC-SD-59-2436	18.7	15.2	31.0	2 / 11
Magnesium	-- - --	11 / 11	29,200	SCC-SD-63-2436	14423	8445	NSV	-- / --
Manganese	-- - --	11 / 11	492	SCC-SD-58-2436	223	120	460	1 / 11
Mercury	-- - --	9 / 11	0.584	SCC-SD-65-2436	0.132	0.171	0.15	4 / 11
Nickel	-- - --	11 / 11	18	SCC-SD-58-2436	8.74	3.78	16.0	1 / 11
Potassium	-- - --	11 / 11	1,520	SCC-SD-58-2436	656	413	NSV	-- / --
Selenium	0.518 - 0.7	2 / 11	1.05	SCC-SD-51-2436	0.676	0.141	NSV	-- / --
Silver	0.255 - 0.3	9 / 11	14.4	SCC-SD-58-2436	1.52	4.06	1.00	1 / 11
Sodium	-- - --	11 / 11	216	SCC-SD-58-2436	136	37.7	NSV	-- / --
Vanadium	-- - --	11 / 11	25.3	SCC-SD-51-2436	10.6	5.45	NSV	-- / --
Zinc	-- - --	11 / 11	445	SCC-SD-59-2436	164	148	120	6 / 11
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.58 - 119	5 / 11	36.9	SCC-SD-57-2436	8.01	11.8	1799	0 / 11
Acenaphthene	1.58 - 119	4 / 11	46	SCC-SD-57-2436	9.23	13.7	7,406	0 / 11
Acenaphthylene	1.58 - 119	6 / 11	26.7	SCC-SD-59-2436	7.44	7.79	44.0	0 / 11
Anthracene	1.58 - 119	6 / 11	1,760	SCC-SD-59-2436	287	628	5,660	0 / 11
Benzo(a)anthracene	1.74 - 123	7 / 11	2,330	SCC-SD-57-2436	401	820	635	2 / 11
Benzo(a)pyrene	1.74 - 123	8 / 11	1,840	SCC-SD-57-2436	320	638	430	2 / 11
Benzo(b)fluoranthene	1.74 - 123	7 / 11	1,300	SCC-SD-57-2436	240	461	NSV	-- / --
Benzo(g,h,i)perylene	1.74 - 123	7 / 11	117	SCC-SD-57-2436	42.1	43.3	NSV	-- / --
Benzo(k)fluoranthene	1.74 - 123	7 / 11	1,410	SCC-SD-57-2436	256	496	NSV	-- / --
Chrysene	1.84 - 119	9 / 11	1,980	SCC-SD-57-2436	346	713	384	2 / 11
Dibenzo (a,h) anthracene	1.58 - 123	6 / 11	41	SCC-SD-57-2436	20.9	34.3	63.4	0 / 11
Fluoranthene	1.74 - 119	7 / 11	5,800	SCC-SD-57-2436	1000	2120	53,958	0 / 11
Fluorene	1.58 - 119	6 / 11	693	SCC-SD-59-2436	68.7	197.4	423.2	1 / 11
Indeno (1,2,3-c,d) pyrene	1.74 - 123	7 / 11	1820	SCC-SD-57-2436	183	517	NSV	1 / 11
Naphthalene	1.58 - 119	5 / 11	99.5	SCC-SD-57-2436	19.6	35.2	1587	0 / 11
Phenanthrene	1.74 - 119	8 / 11	5,150	SCC-SD-59-2436	867	1892	6,348	0 / 11
Pyrene	1.74 - 119	7 / 11	4,350	SCC-SD-57-2436	760	1616	50,837	0 / 11
Total PAHs	-- - --	9 / 11	27,396	SCC-SD-57-2436	5093	10404	4,000	2 / 11
Volatile Organic Compounds (UG/KG)								
2-Butanone	3.23 - 3.3	9 / 11	39.2	SCC-SD-57-2436	13.3	12.6	NSV	-- / --
Acetone	6.66 - 6.7	10 / 11	137	SCC-SD-57-2436	51.5	46.9	NSV	-- / --
Carbon Disulfide	0.613 - 0.7	9 / 11	6.7	SCC-SD-65-2436	2.44	1.83	NSV	-- / --
Chlorobenzene	0.532 - 0.8	1 / 11	1	SCC-SD-57-2436	0.692	0.119	185.15	0 / 11
Methylene chloride	1.23 - 2.6	6 / 11	6.08	SCC-SD-57-2436	2.41	1.46	NSV	-- / --
Toluene	0.613 - 0.8	5 / 11	25.8	SCC-SD-67-2436	6.05	8.93	2592	0 / 11

TABLE 3-15
Summary Statistic - AOC A Subsurface Sediment (36 - 48 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Sample ID of Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	10 / 10	15,800	SCC-SD-51-3639	5928	4531	2,000	9 / 11
Antimony	0.384 - 0.627	2 / 10	3.89	SCC-SD-65-3648	0.833	1.08	2.00	1 / 11
Arsenic	-- - --	10 / 10	5.28	SCC-SD-59-3648	3.29	1.07	6.00	0 / 11
Barium	-- - --	10 / 10	141	SCC-SD-51-3639	72.0	40.0	NSV	-- / --
Beryllium	-- - --	10 / 10	0.773	SCC-SD-51-3639	0.306	0.218	NSV	-- / --
Cadmium	0.267 - 0.342	5 / 10	14	SCC-SD-59-3648	2.64	4.22	0.60	5 / 11
Calcium		10 / 10	83,400	SCC-SD-67-3648	45683	25528	NSV	0 / --
Chromium	-- - --	10 / 10	45	SCC-SD-59-3648	16.0	12.2	26.0	1 / 11
Cobalt	-- - --	10 / 10	7.75	SCC-SD-50-3648	5.09	1.92	NSV	-- / --
Copper	-- - --	10 / 10	40.1	SCC-SD-50-3648	16.1	10.0	16.0	2 / 11
Iron	-- - --	10 / 10	21,400	SCC-SD-50-3648	12000	5262	20,000	1 / 11
Lead	-- - --	10 / 10	85.5	SCC-SD-50-3648	23.9	25.1	31.0	2 / 11
Magnesium		10 / 10	26,800	SCC-SD-54-3643	15318	7477	NSV	-- / --
Manganese	-- - --	10 / 10	487	SCC-SD-67-3648	273	121	460	1 / 11
Mercury	0.119 - 0.119	9 / 10	0.817	SCC-SD-65-3648	0.209	0.302	0.15	3 / 11
Nickel	-- - --	10 / 10	18.1	SCC-SD-59-3648	10.6	5.59	16.0	2 / 11
Potassium	-- - --	10 / 10	1,620	SCC-SD-67-3648	876	469	NSV	-- / --
Selenium	0.535 - 0.78	3 / 10	1.26	SCC-SD-51-3639	0.799	0.274	NSV	-- / --
Silver	0.215 - 0.314	3 / 10	0.793	SCC-SD-67-3648	0.328	0.170	1.00	0 / 11
Thallium	0.768 5.37	10 / 10	1.12	SCC-SD-67-3648	159	51.4	NSV	0 / --
Vanadium	-- - --	1 / 10	28.8	SCC-SD-51-3639	1.42	1.40	NSV	-- / --
Zinc	-- - --	10 / 10	1,100	SCC-SD-65-3648	264	389	120	4 / 11
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.58 - 604	5 / 10	1.94	SCC-SD-65-3648	5.2	6.6	1799	0 / 10
Acenaphthene	1.58 - 604	4 / 10	1.99	SCC-SD-65-3648	4.7	6.9	7,406	0 / 10
Acenaphthylene	1.58 - 604	5 / 10	2.14	SCC-SD-65-3648	5.5	6.9	44.0	0 / 10
Anthracene	1.58 - 604	6 / 10	1.47	SCC-SD-65-3648	16.0	28.6	5,660	0 / 10
Benzo(a)anthracene	1.58 - 604	6 / 10	2.37	SCC-SD-65-3648	46.4	76.2	635	0 / 10
Benzo(a)pyrene	1.58 - 604	7 / 10	2.19	SCC-SD-65-3648	46.7	62.4	430	0 / 10
Benzo(b)fluoranthene	1.58 - 604	6 / 10	180	SCC-SD-65-3648	36.9	59.7	NSV	-- / --
Benzo(g,h,i)perylene	1.58 - 604	6 / 10	102	SCC-SD-65-3648	22.6	33.8	NSV	-- / --
Benzo(k)fluoranthene	1.58 - 604	6 / 10	159	SCC-SD-65-3648	35.9	55.2	NSV	-- / --
Chrysene	1.84 - 604	7 / 10	233	SCC-SD-65-3648	46.7	76.1	384	0 / 10
Dibenzo (a,h) anthracene	1.58 - 604	5 / 10	32.6	SCC-SD-65-3648	7.7	10.6	63.4	0 / 10
Fluoranthene	1.58 - 604	6 / 10	467	SCC-SD-65-3648	91.2	151.5	53,958	0 / 10
Fluorene	1.58 - 604	6 / 10	33.4	SCC-SD-65-3648	7.4	10.4	423	0 / 10
Indeno (1,2,3-c,d) pyrene	1.58 - 604	5 / 10	100	SCC-SD-65-3648	21.5	33.2	NSV	-- / --
Naphthalene	1.58 - 604	7 / 10	47.1	SCC-SD-59-3648	10.5	15.7	1,587	0 / 10
Phenanthrene	1.58 - 604	7 / 10	318	SCC-SD-65-3648	54.3	99.4	6,348	0 / 10
Pyrene	1.58 - 604	6 / 10	362	SCC-SD-65-3648	68.4	115.5	50,837	0 / 10
Total PAHs	1.58 - 604	9 / 10	8,548	SCC-SD-65-3648	1,218	2,428	4,000	1 / 10
Volatile Organic Compounds (UG/KG)								
2-Butanone	2.84 - 3.0	7 / 10	23.6	SCC-SD-59-3648	14.3	6.99	1428	-- / --
Acetone	-- - --	10 / 10	129	SCC-SD-59-3648	47.6	42.2	46.0	-- / --
Carbon Disulfide	0.593 - 0.715	8 / 10	2.89	SCC-SD-59-3648	1.1954	0.718	4.50	-- / --
Methylene chloride	1.18 - 1.43	5 / 10	8.1	SCC-SD-59-3648	2.44	2.14	NSV	-- / --
Toluene	0.567 - 0.824	3 / 10	24.9	SCC-SD-66-3648	4.37	8.08	2592	0 / 10

TABLE 3-16
Summary Statistic - AOC A Subsurface Sediment (48-60 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Sample ID of Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	5 / 5	8,720	SCC-SD-50-4860	6440	2341	2,000	5 / 5
Antimony	0.467 - 0.506	1 / 5	0.585	SCC-SD-66-4860	0.504	0.047	2	0 / 5
Arsenic	-- - --	5 / 5	4.72	SCC-SD-65-4860	3.90	0.504	6	0 / 5
Barium	-- - --	5 / 5	99	SCC-SD-67-4860	76.3	23.4	NSV	-- - --
Beryllium	-- - --	5 / 5	0.418	SCC-SD-59-4860	0.298	0.100	NSV	-- - --
Cadmium	0.294 - 0.318	2 / 5	2.09	SCC-SD-65-4860	0.68	0.79	1	1 / 5
Calcium	-- - --	5 / 5	81,900	SCC-SD-66-4860	71020	15393	NSV	-- - --
Chromium	-- - --	5 / 5	16.2	SCC-SD-65-4860	13.4	3.15	26	0 / 5
Cobalt	-- - --	5 / 5	8.51	SCC-SD-59-4860	6.94	1.84	NSV	-- - --
Copper	-- - --	5 / 5	18.5	SCC-SD-59-4860	16.4	1.95	16	3 / 5
Iron	-- - --	5 / 5	20,100	SCC-SD-67-4860	16520	4529	20,000	1 / 5
Lead	-- - --	5 / 5	22.7	SCC-SD-65-4860	11.1	6.67	31	0 / 5
Magnesium	-- - --	5 / 5	25,800	SCC-SD-66-4860	20840	3465	NSV	-- - --
Manganese	-- - --	5 / 5	519	SCC-SD-59-4860	443	105	460	3 / 5
Mercury	0.121 - 0.121	4 / 5	0.12	SCC-SD-65-4860	0.041	0.045	0	0 / 5
Nickel	-- - --	5 / 5	19.7	SCC-SD-59-4860	15.8	4.67	16	3 / 5
Potassium	-- - --	5 / 5	1,850	SCC-SD-67-4860	1360	548	NSV	-- - --
Silver	0.24 - 0.24	4 / 5	0.92	SCC-SD-50-4860	0.500	0.317	1	0 / 5
Thallium	0.96 - 1.01	2 / 5	1.29	SCC-SD-67-4860	1.02	0.155	NSV	-- - --
Vanadium	-- - --	5 / 5	22	SCC-SD-50-4860	16.3	5.30	NSV	-- - --
Zinc	-- - --	5 / 5	293	SCC-SD-65-4860	93	112	120	1 / 5
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.64 - 105	2 / 5	11.1	SCC-SD-59-4860	24.6	45.1	1799	0 / 5
Acenaphthylene	1.64 - 105	1 / 5	4	SCC-SD-65-4860	22.8	46.0	44	0 / 5
Anthracene	1.64 - 105	2 / 5	13.4	SCC-SD-65-4860	25.1	44.9	5,660	0 / 5
Benzo(a)anthracene	1.64 - 105	2 / 5	45.8	SCC-SD-65-4860	32.6	44.4	635	0 / 5
Benzo(a)pyrene	1.64 - 105	2 / 5	41.2	SCC-SD-65-4860	31.4	44.3	430	0 / 5
Benzo(b)fluoranthene	1.64 - 105	2 / 5	37.7	SCC-SD-65-4860	30.7	44.1	NSV	-- / --
Benzo(g,h,i)perylene	1.64 - 105	2 / 5	27.4	SCC-SD-65-4860	28.2	44.2	NSV	-- / --
Benzo(k)fluoranthene	1.64 - 105	2 / 5	35.2	SCC-SD-65-4860	30.6	43.8	NSV	-- / --
Chrysene	1.64 - 105	3 / 5	46.2	SCC-SD-65-4860	33.5	43.9	384	0 / 5
Dibenzo (a,h) anthracene	1.64 - 105	1 / 5	7.01	SCC-SD-65-4860	23.4	45.7	63.4	0 / 5
Fluoranthene	1.64 - 105	2 / 5	90.1	SCC-SD-65-4860	44.6	49.5	53,958	0 / 5
Fluorene	1.64 - 105	2 / 5	4.55	SCC-SD-65-4860	23.2	45.7	423	0 / 5
Indeno (1,2,3-c,d) pyrene	1.64 - 105	2 / 5	24.4	SCC-SD-65-4860	27.5	44.4	NSV	-- / --
Naphthalene	1.64 - 105	1 / 5	29.8	SCC-SD-59-4860	28.0	44.7	1,587	0 / 5
Phenanthrene	1.64 - 105	3 / 5	41	SCC-SD-65-4860	33.7	42.9	6,348	0 / 5
Pyrene	1.64 - 105	2 / 5	72.5	SCC-SD-65-4860	39.8	46.6	50,837	0 / 5
Total PAHs	-- - --	3 / 5	1785	SCC-SD-65-4860	508	738	4,000	0 / 5
Volatile Organic Compounds (UG/KG)								
2-Butanone	3.45 - 3.48	3 5	9.6	SCC-SD-65-4860	4.80	2.71	NSV	-- / --
Acetone	-- - --	5 5	33.5	SCC-SD-65-4860	17.7	9.78	NSV	-- / --
Carbon Disulfide	0.689 - 0.689	4 5	1.68	SCC-SD-66-4860	1.10	0.411	NSV	-- / --
Methylene chloride	1.18 - 1.39	1 5	2.66	SCC-SD-65-4860	1.57	0.616	NSV	-- / --
Toluene	0.697 - 0.697	4 5	3.38	SCC-SD-66-4860	1.86	1.18	2,592	0 / 5

TABLE 3-17
Summary Statistic - AOC A Subsurface Sediment (60 - 72 inches)
Phase III Sediment Investigation Data Report
Former Hampshire Chemical Corp
The Dow Chemical Company, Waterloo, New York

Analyte Name	Range of Non-Detect Values	Frequency of Detection	Maximum Concentration Detected	Sample ID of Maximum Detected Concentration	Arithmetic Mean	Standard Deviation of Mean	Screening Value	Frequency of Exceedance
Detected Constituents								
Inorganics (MG/KG)								
Aluminum	-- - --	2 / 2	5,000	SCC-SD-65-6072	4245	1068	2,000	2 / 2
Antimony	0.46 - 0.46	1 / 2	0.418	SCC-SD-66-6072	0.440	0.031	2.00	0 / 2
Arsenic	-- - --	2 / 2	2.9	SCC-SD-66-6072	2.87	0.042	6.00	0 / 2
Barium	-- - --	2 / 2	55.6	SCC-SD-66-6072	54.0	2.26	NSV	-- / --
Beryllium	-- - --	2 / 2	0.247	SCC-SD-65-6072	0.213	0.048	NSV	-- / --
Cadmium	0.28 - 0.28	1 / 2	1.54	SCC-SD-65-6072	0.908	0.894	0.60	1 / 2
Calcium	-- - --	2 / 2	81,300	SCC-SD-66-6072	67450	19587	NSV	-- / --
Chromium	-- - --	2 / 2	17.8	SCC-SD-65-6072	12.5	7.52	26.0	0 / 2
Cobalt	-- - --	2 / 2	5.42	SCC-SD-65-6072	5.22	0.283	NSV	-- / --
Copper	-- - --	2 / 2	22.1	SCC-SD-65-6072	17.5	6.58	16.0	2 / 2
Iron	-- - --	2 / 2	12,600	SCC-SD-65-6072	12500	141	20,000	0 / 2
Lead	-- - --	2 / 2	22.8	SCC-SD-65-6072	13.8	12.7	31.0	0 / 2
Magnesium	-- - --	2 / 2	26,700	SCC-SD-66-6072	22750	5586	NSV	-- / --
Manganese	-- - --	2 / 2	443	SCC-SD-66-6072	393	70.7	460	0 / 2
Mercury	-- - --	2 / 2	0.136	SCC-SD-65-6072	0.078	0.082	0.15	0 / 2
Nickel	-- - --	2 / 2	12	SCC-SD-65-6072	11.5	0.707	16.0	0 / 2
Potassium	-- - --	2 / 2	910	SCC-SD-65-6072/SCC-SD-66-6072	910.0	0.000	NSV	-- / --
Silver	0.231 - 0.23	1 / 2	0.213	SCC-SD-66-6072	0.222	0.013	1.00	0 / 2
Sodium	-- - --	2 / 2	144	SCC-SD-66-6072	140	6.36	NSV	-- / --
Thallium	0.923 - 0.93	1 / 2	0.77	SCC-SD-66-6072	0.847	0.108	NSV	-- / --
Vanadium	-- - --	2 / 2	11.8	SCC-SD-65-6072	11.1	1.06	NSV	-- / --
Zinc	-- - --	2 / 2	318	SCC-SD-65-6072	171	208	120	1 / 2
Polycyclic Aromatic Hydrocarbons (UG/KG)								
2-Methylnaphthalene	1.91 - 120	1 / 2	10.2	SCC-SD-65-6072	59.1	69.2	1799	0 / 2
Acenaphthene	1.91 - 120	1 / 2	7.04	SCC-SD-65-6072	57.5	71.4	7,406	0 / 2
Acenaphthylene	1.91 - 120	1 / 2	11.7	SCC-SD-65-6072	59.9	68.1	44.0	0 / 2
Anthracene	108 - 120	1 / 2	50	SCC-SD-65-6072	79.0	41.0	5,660	0 / 2
Benzo(a)anthracene	108 - 120	1 / 2	124	SCC-SD-65-6072	116	11.3	635	0 / 2
Benzo(a)pyrene	108 - 120	1 / 2	95.8	SCC-SD-65-6072	102	8.6	430	0 / 2
Benzo(b)fluoranthene	108 - 120	1 / 2	87.6	SCC-SD-65-6072	97.8	14.4	NSV	-- / --
Benzo(g,h,i)perylene	108 - 120	1 / 2	51.2	SCC-SD-65-6072	79.6	40.2	NSV	-- / --
Benzo(k)fluoranthene	108 - 120	1 / 2	83.6	SCC-SD-65-6072	95.8	17.3	NSV	-- / --
Chrysene	108 - 120	1 / 2	124	SCC-SD-65-6072	116	11.3	384	0 / 2
Dibenzo (a,h) anthracene	108 - 120	1 / 2	15.1	SCC-SD-65-6072	61.6	65.7	63.4	0 / 2
Fluoranthene	108 - 120	1 / 2	258	SCC-SD-65-6072	183	106	53,958	0 / 2
Fluorene	108 - 120	1 / 2	19.1	SCC-SD-65-6072	63.6	62.9	423	0 / 2
Indeno (1,2,3-c,d) pyrene	108 - 120	1 / 2	47.8	SCC-SD-65-6072	77.9	42.6	NSV	-- / --
Naphthalene	3.81 - 120	1 / 2	20.3	SCC-SD-65-6072	64.2	62.0	1,587	0 / 2
Phenanthrene	108 - 120	1 / 2	193	SCC-SD-65-6072	151	60.1	6,348	0 / 2
Pyrene	108 - 120	1 / 2	239	SCC-SD-65-6072	174	92.6	50,837	0 / 2
Total PAHs	-- - --	1 / 2	1,656	SCC-SD-65-6072	1,746	127	4,000	0 / 2
Volatile Organic Compounds (UG/KG)								
2-Butanone	3.11 3.11	1 / 2	4.8	SCC-SD-65-6072	3.96	1.20	NSV	-- / --
Acetone	12.4 12.4	1 / 2	30.9	SCC-SD-65-6072	18.6	17.4	NSV	-- / --
Carbon Disulfide	-- - --	2 / 2	11.8	SCC-SD-65-6072	6.39	7.66	NSV	-- / --
Methylene chloride	1.25 1.25	1 / 2	2.82	SCC-SD-65-6072	2.04	1.11	NSV	-- / --
Toluene	-- - --	2 / 2	16.9	SCC-SD-65-6072	12.2	6.68	2,592	0 / 2

Figures

Note:
Sediment contour thicknesses are in feet.

Figure 2-1
AOC A - Sediment Investigation Sediment Thickness
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1A
Phase III Concentrations of Mercury in Surface Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-1A - PHASE III CONCENTRATIONS OF MERCURY IN SURFACE SEDIMENT.MXD MPETERSH 2/15/2011 12:52:01

Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1B
Phase III Concentrations of Mercury in 6- to 12-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-1B - PHASE III CONCENTRATIONS OF MERCURY IN 6- TO 12-INCH SEDIMENT.MXD MPETERSH 2/15/2011 12:58:01

Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1C
Phase III Concentrations of Mercury in 12- to 24-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1D
Phase III Concentrations of Mercury in 24- to 36-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-1D - PHASE III CONCENTRATIONS OF MERCURY IN 24- TO 36-INCH SEDIMENT.MXD MPETERSH 2/15/2011 13:16:27

Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1E
Phase III Concentrations of Mercury in 36- to 48-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Notes:
1. Concentrations in red indicate exceedances of screening value for mercury (0.15 mg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-1F
Phase III Concentrations of Mercury in 48 Inches and Greater Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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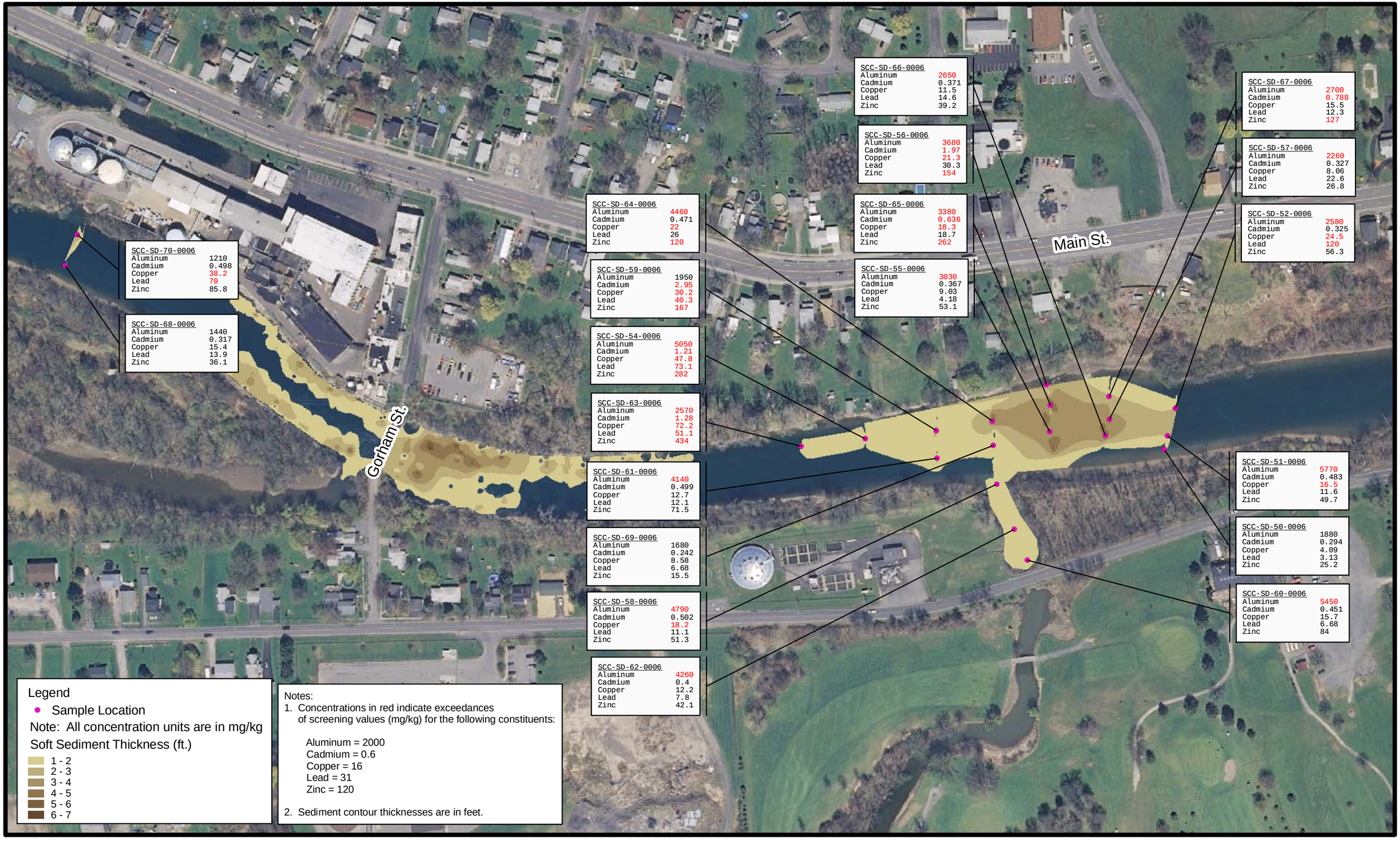

DRAFT

Figure 3-2A
Phase III Concentrations of Metals in Surface Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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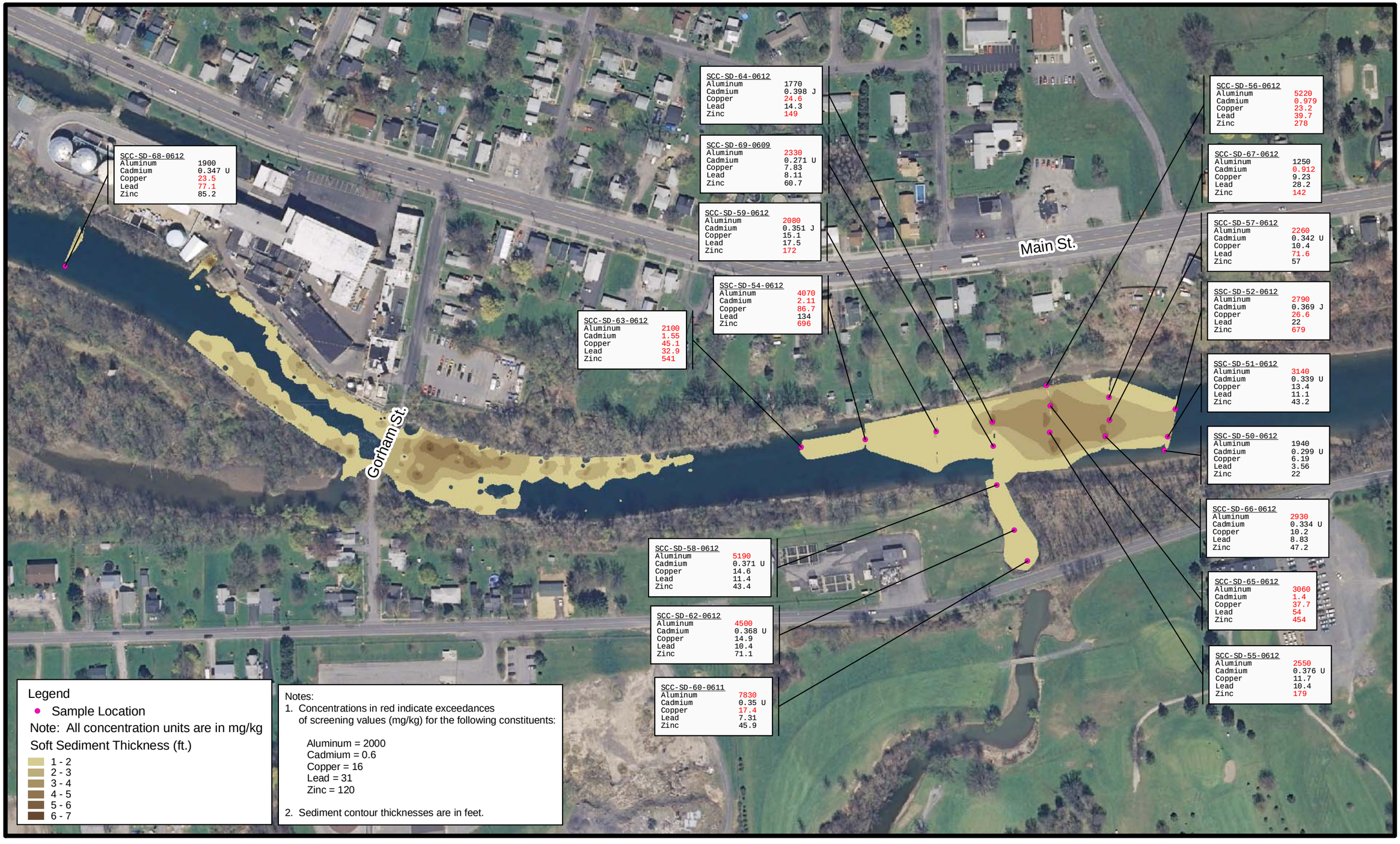

DRAFT

Figure 3-2B
Phase III Concentrations of Metals in 6- to 12-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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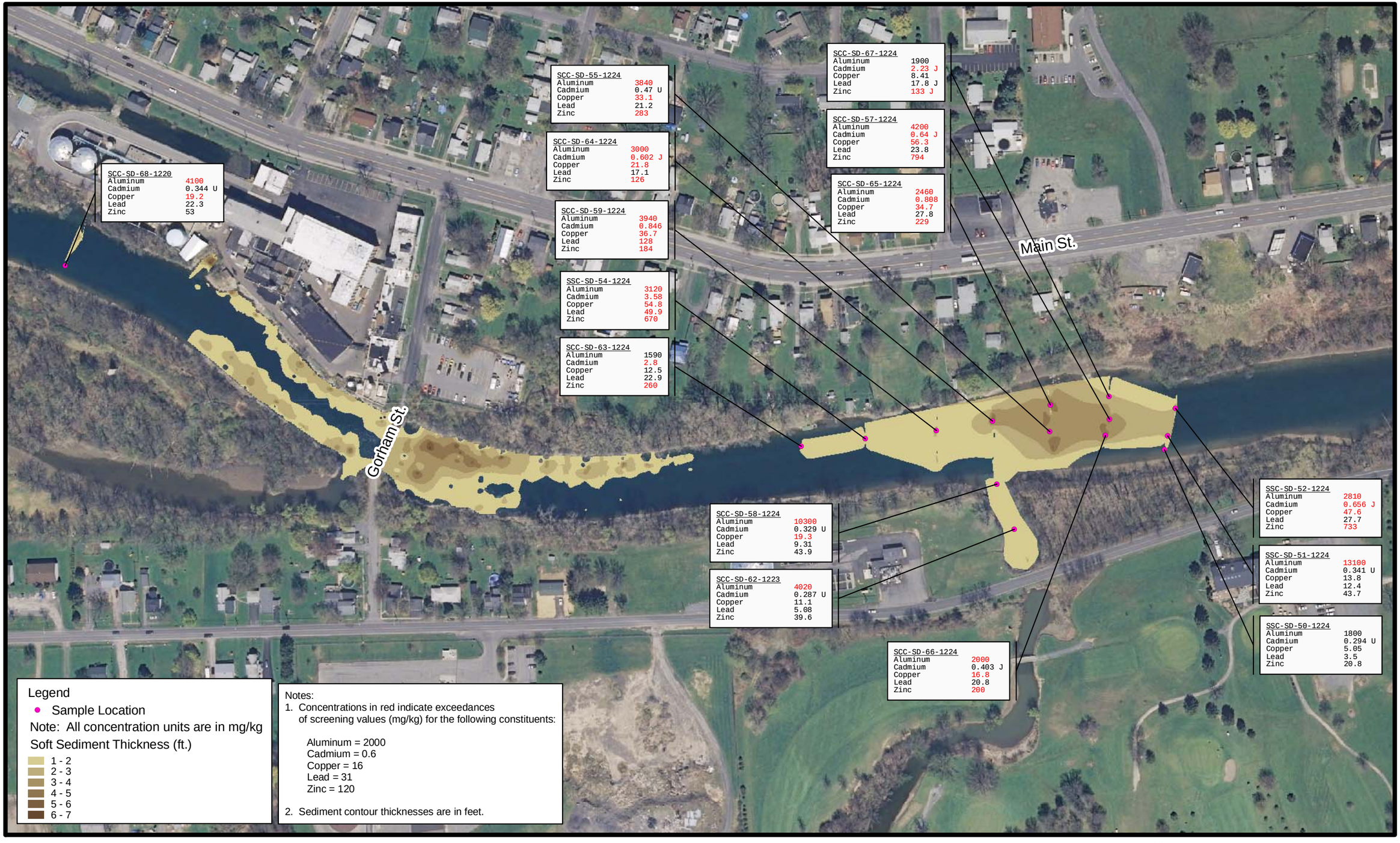
\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-2B - PHASE III CONCENTRATIONS OF METALS IN 6- TO 12-INCH SEDIMENT.MXD MPETERSH 2/15/2011 13:59:11



DRAFT

Figure 3-2C
Phase III Concentrations of Metals in 12- to 24-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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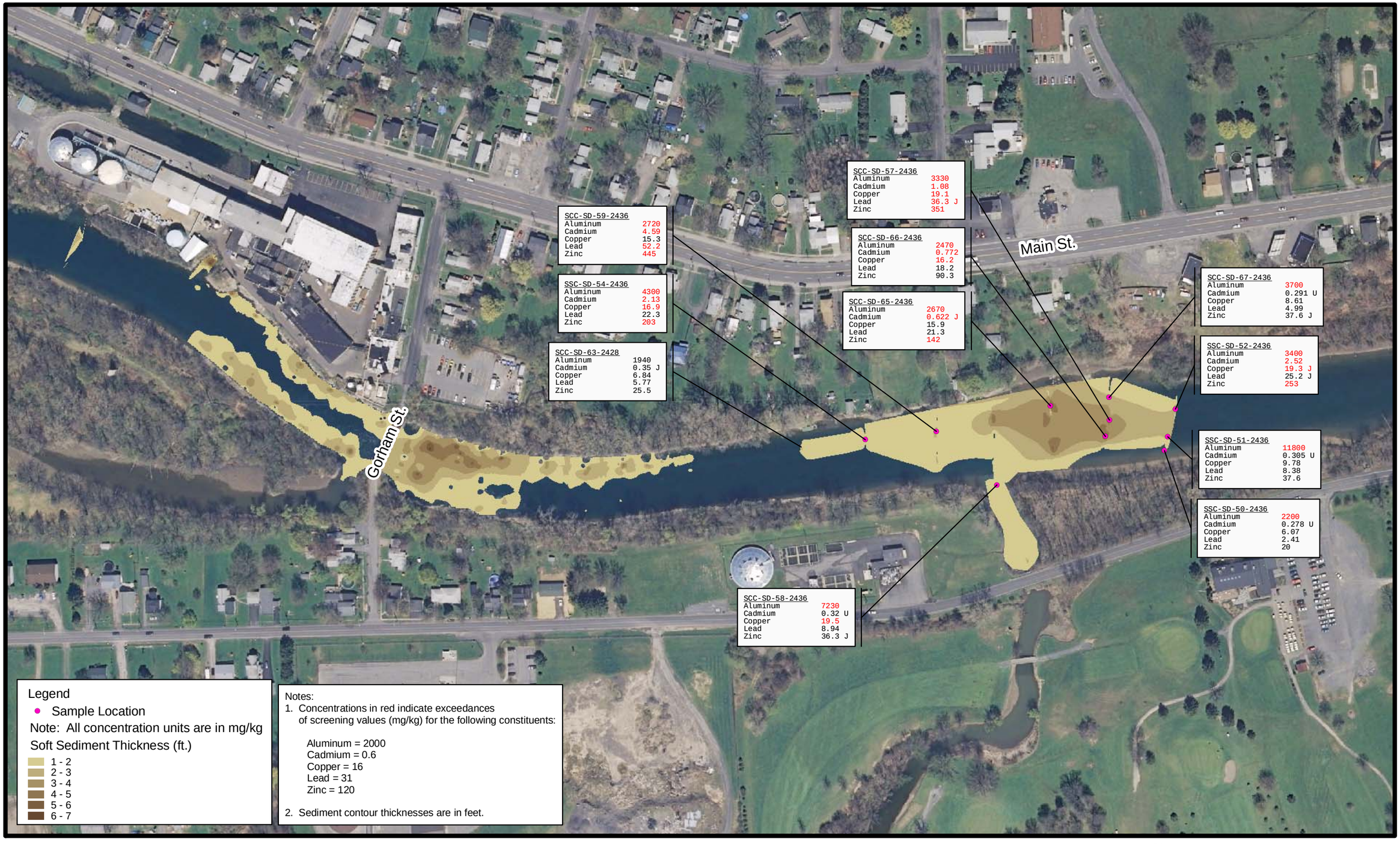
\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-2C - PHASE III CONCENTRATIONS OF METALS IN 12- TO 24-INCH SEDIMENT.MXD MPETERSH 2/15/2011 14:02:49



DRAFT

Figure 3-2D
Phase III Concentrations of Metals in 24- to 36-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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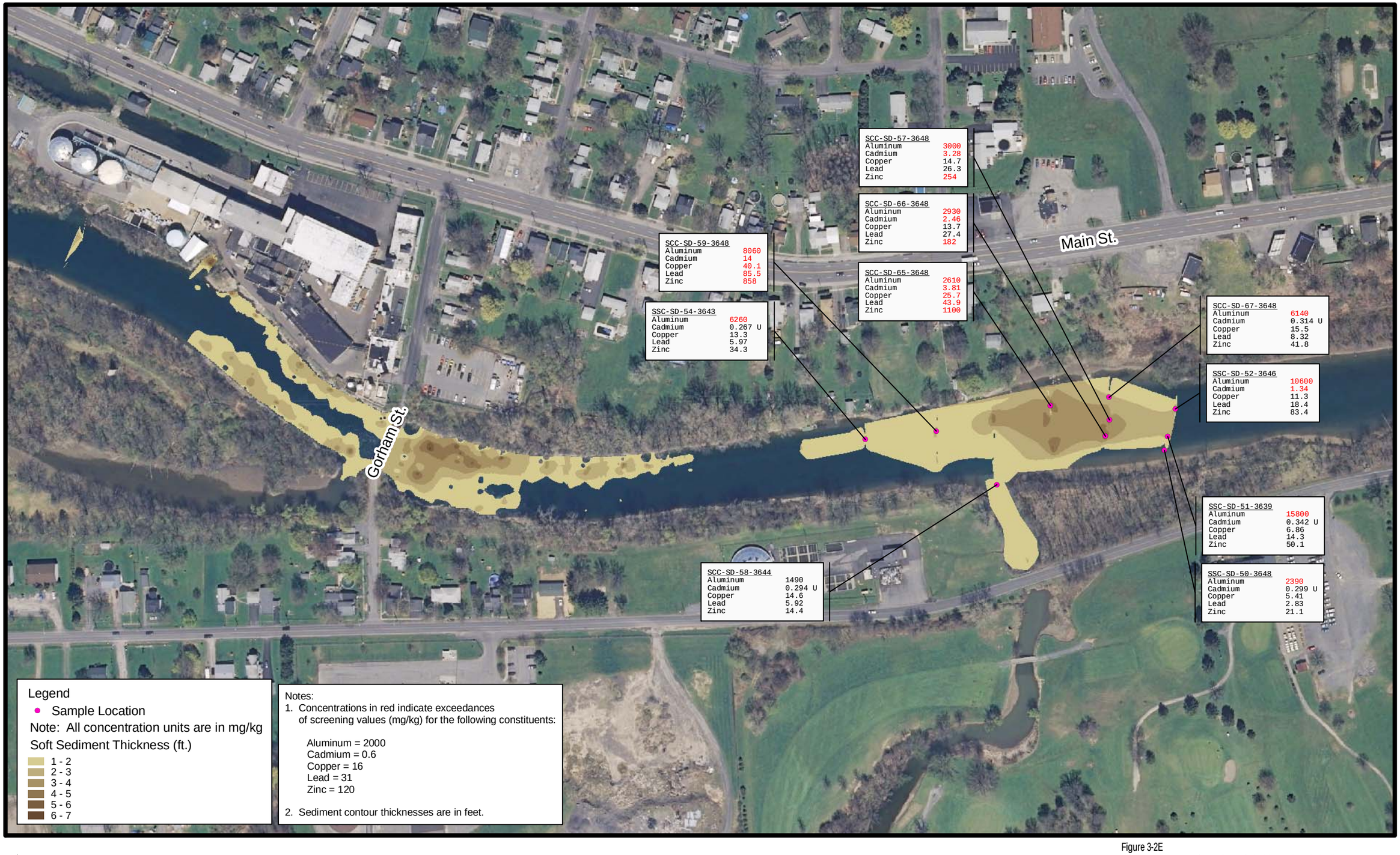

DRAFT

Figure 3-2E
Phase III Concentrations of Metals in 36- to 48-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Figure 3-2F
Phase III Concentrations of Metals in 48 Inches and Greater Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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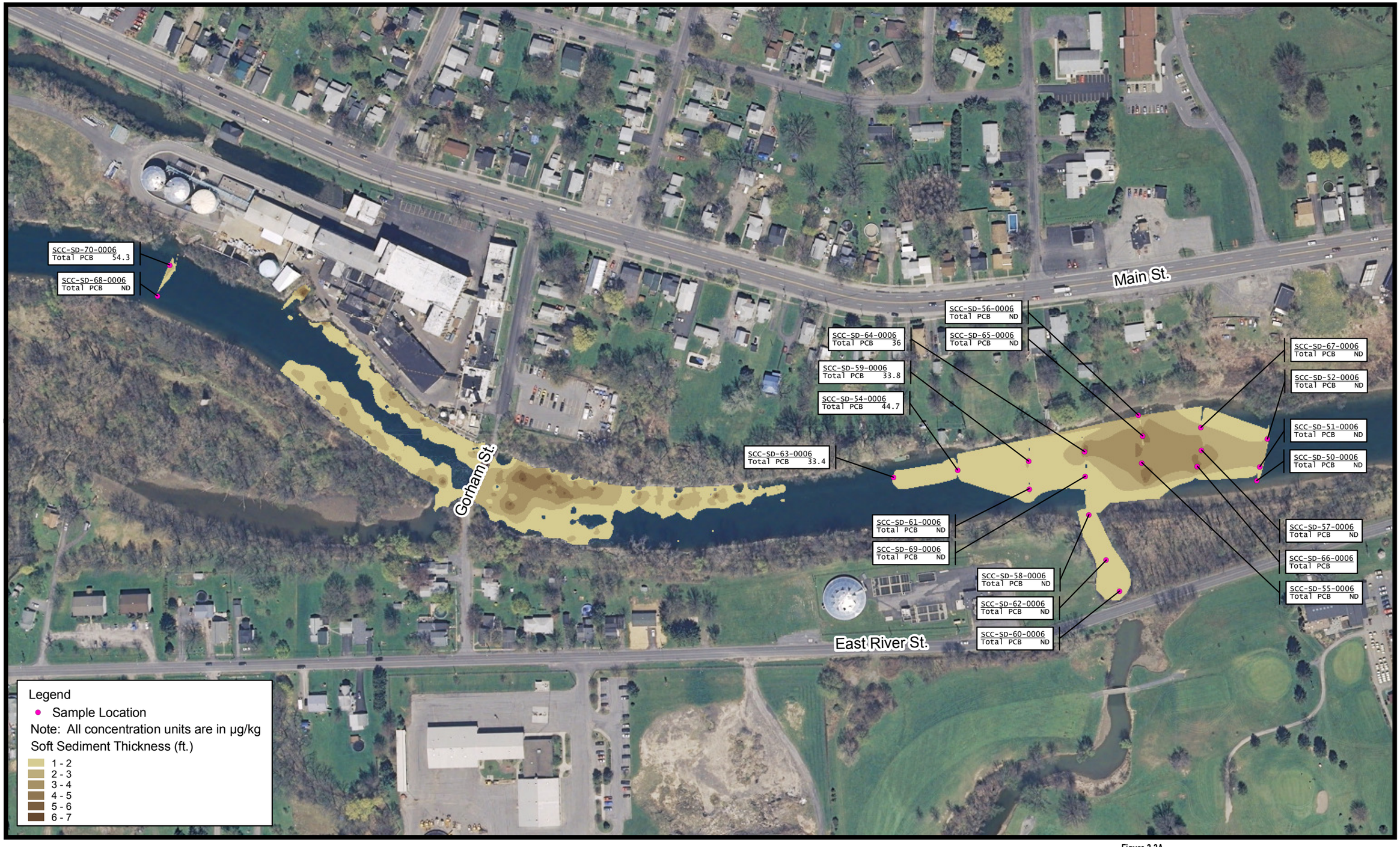
\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-2F - PHASE III CONCENTRATIONS OF METALS IN 48 INCHES AND GREATER SEDIMENT.MXD MPETERSH 2/15/2011 14:24:23



Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3A
Phase III Total PCB Concentrations in Surface Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3B
Phase III Total PCB Concentrations in 6- to 12-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-3B - PHASE III TOTAL PCB CONCENTRATIONS IN 6- TO 12-INCH SEDIMENT.MXD MPETERSH 2/15/2011 14:56:46

N

0 200 400

Feet

Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3C
Phase III Total PCB Concentrations in 12- to 24-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-3C - PHASE III TOTAL PCB CONCENTRATIONS IN 12- TO 24-INCH SEDIMENT.MXD MPETERSH 2/15/2011 15:01:47

Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3D
Phase III Total PCB Concentrations in 24- to 36-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3E
Phase III Total PCB Concentrations in 36- to 48-Inch Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-3E - PHASE III TOTAL PCB CONCENTRATIONS IN 36- TO 48-INCH SEDIMENT.MXD MPETERSH 2/15/2011 15:29:00

Note:
1. Concentrations in red indicate exceedances of screening value for Total PCB (74 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-3F
Phase III Total PCB Concentrations in 48 Inches and Greater Sediment
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-3F - PHASE III TOTAL PCB CONCENTRATIONS IN 48 INCHES AND GREATER SEDIMENT.MXD MPETERSH 2/15/2011 15:32:39

N

0 200 400

Feet

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-4A
Phase III Surface Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4A - PHASE III SURFACE SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:35:54

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-4B
Phase III 6- to 12-Inch Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4B - PHASE III 6- TO 12-INCH SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:41:13

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-4C
Phase III 12- to 24-Inch Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4C - PHASE III 12- TO 24-INCH SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:43:16

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

DRAFT

Figure 3-4D
Phase III 24- to 36-Inch Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4D - PHASE III 24- TO 36-INCH SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:45:59

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

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Figure 3-4E
Phase III 36- to 48-Inch Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4E - PHASE III 36- TO 48-INCH SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:48:11

Note:
1. Concentrations in red indicate exceedances of screening value for Total PAH (4,000 µg/kg).
2. Sediment contour thicknesses are in feet.

DRAFT

Figure 3-4F
Phase III 48 Inches and Greater Sediment Total PAH Concentrations
Former Hampshire Chemical Corp. Facility
The Dow Chemical Company
Waterloo, New York

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\\LAKEFRONT\PROJ\GIS\DOW\WATERLOO\REPORTS\2011\SEDIMENTINVESTIGATIONREPORT\MAPFILES\020611\FIGURE 3-4F - PHASE III 48 INCHES AND GREATER SEDIMENT TOTAL PAH CONCENTRATIONS.MXD MPETERSH 2/15/2011 15:52:00