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February 18, 1993

Mr. Chuck Schwer
Site Management Section
Department of Environmental Conservation
Vermont Agency of Natural Resources
103 South Main Street, West Building
Waterbury, VT 05671-0404

Subject: Final Site Inspection Report
Whitney Blake Company of Vermont
Rockingham, Vermont
W.A. No. 08-1JZZ
Reference No. 1-636-009-0-1J75, TDD No. 9107-10-ATS
CERCLIS No. VTD064440365

Dear Mr. Schwer:

A copy of the Final Site Inspection Report for Whitney Blake Company of Vermont in Rockingham, VT is enclosed. This final report has been revised in accordance with comments received from the EPA and the State. The appendices submitted with the draft report did not require revision. Therefore, appendix documentation is not included with the final report.

If you have any questions, please do not hesitate to call.

Sincerely,

Paul A. Hughes
ARCS Program Manager

Enclosure

cc: S. Hayes (w/o enclosure)
D. Smith (w/o enclosure)

# ARCS

**Remedial Planning Activities at Selected Uncontrolled Hazardous Substance Disposal Sites in Region I**

**Environmental Protection Agency**
Region I

ARCS Work Assignment No. 08-1JZZ

The Whitney Blake Company of Vermont
Rockingham, VT
VTD064440365
TDD# 9107-10-ATS

Site Inspection
Final Report

February 1993

*TRC Companies, Inc.*

**TAMS Consultants, Inc.**
PEI Associates, Inc.
Jordan Communications, Inc.

MS59/1/V

# SITE INSPECTION
# WHITNEY BLAKE COMPANY OF VERMONT
# ROCKINGHAM (BELLOWS FALLS), VT

VTD064440365

FINAL REPORT

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region I
90 Canal Street
Boston, Massachusetts 02203-2221

| | |
|---|---|
| Work Assignment No.: | 08-1JZZ |
| EPA Region: | I |
| Contract No.: | 68-W9-0033 (ARCS) |
| TRCC Document No.: | A92-1674 |
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| TDD No.: | 9107-10-ATS |
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| Date Prepared: | February 17, 1993 |
| Revision: | 0 |

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## INTRODUCTION

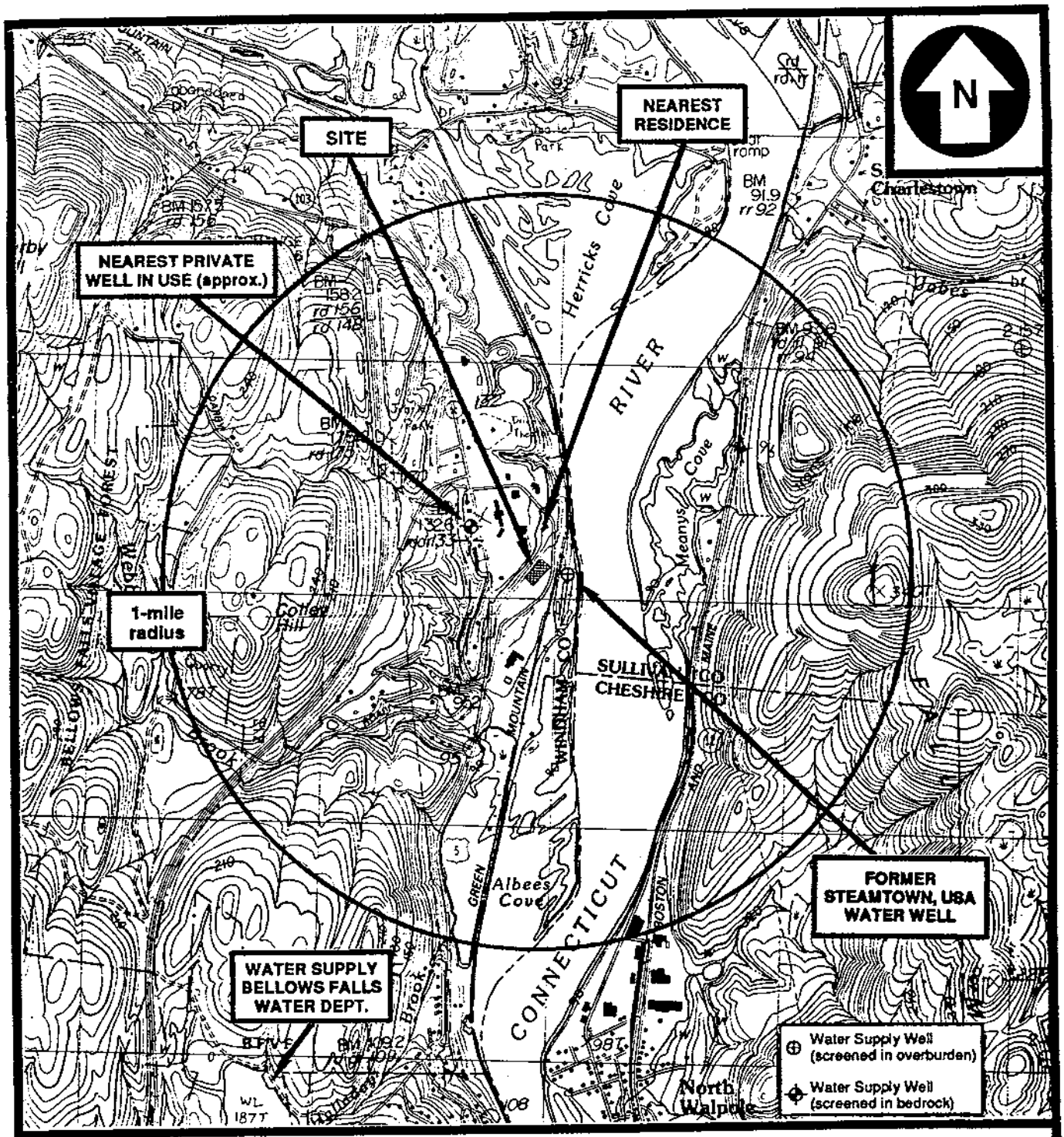
TRC Companies, Inc. was contracted by the Region I U.S. Environmental Protection Agency (EPA) Waste Management Division to perform a Site Inspection of the Whitney Blake Company of Vermont, located in the Village of Bellows Falls, Town of Rockingham, Vermont. All tasks were conducted in accordance with Work Assignment No. 08-1JZZ under EPA Contract No. 68-W9-0033. A Preliminary Assessment of this property was completed by the Vermont Agency of Environmental Conservation (VTAEC) on December 20, 1990 (Young, 1990). A Site Inspection was initiated based upon information provided in the Preliminary Assessment.

Background information used in the preparation of this report was obtained through file searches conducted at the EPA Region I office and at the VTAEC. Information was also collected during TRCC's onsite reconnaissance, conducted on July 14, 1992, and during environmental sampling on August 14, 1992.

This Site Inspection report satisfies the guidelines developed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended, commonly referred to as Superfund. However, this document does not necessarily fulfill the requirements of other EPA regulations such as those under the Resource Conservation and Recovery Act (RCRA) or other federal, state, or local regulations. Site Inspections are intended to provide a preliminary screening of sites to facilitate EPA's assignment of site priorities. They are limited efforts and are not intended to supersede more detailed investigations.

## SITE DESCRIPTION

The Whitney Blake Company of Vermont (Whitney Blake) is located in the Village of Bellows Falls, Town of Rockingham, Windham County, Vermont at 43° 09′ 55.4″ north latitude and 72° 27′ 16.5″ west longitude (Young, 1990) (Figure 1). The site is located on Industrial Drive and is bounded by the Bellows Falls Industrial Park to the north, by the




BASE MAP IS A PORTION OF THE FOLLOWING 7.5 x 15' USGS QUADRANGLE:
BELLOWS FALLS, VT-NH, 1985

0 1000 2000 3000 feet

QUADRANGLE LOCATION

## LOCATION MAP

WHITNEY BLAKE COMPANY OF VERMONT
ROCKINGHAM, VERMONT

TRC Companies, Inc.

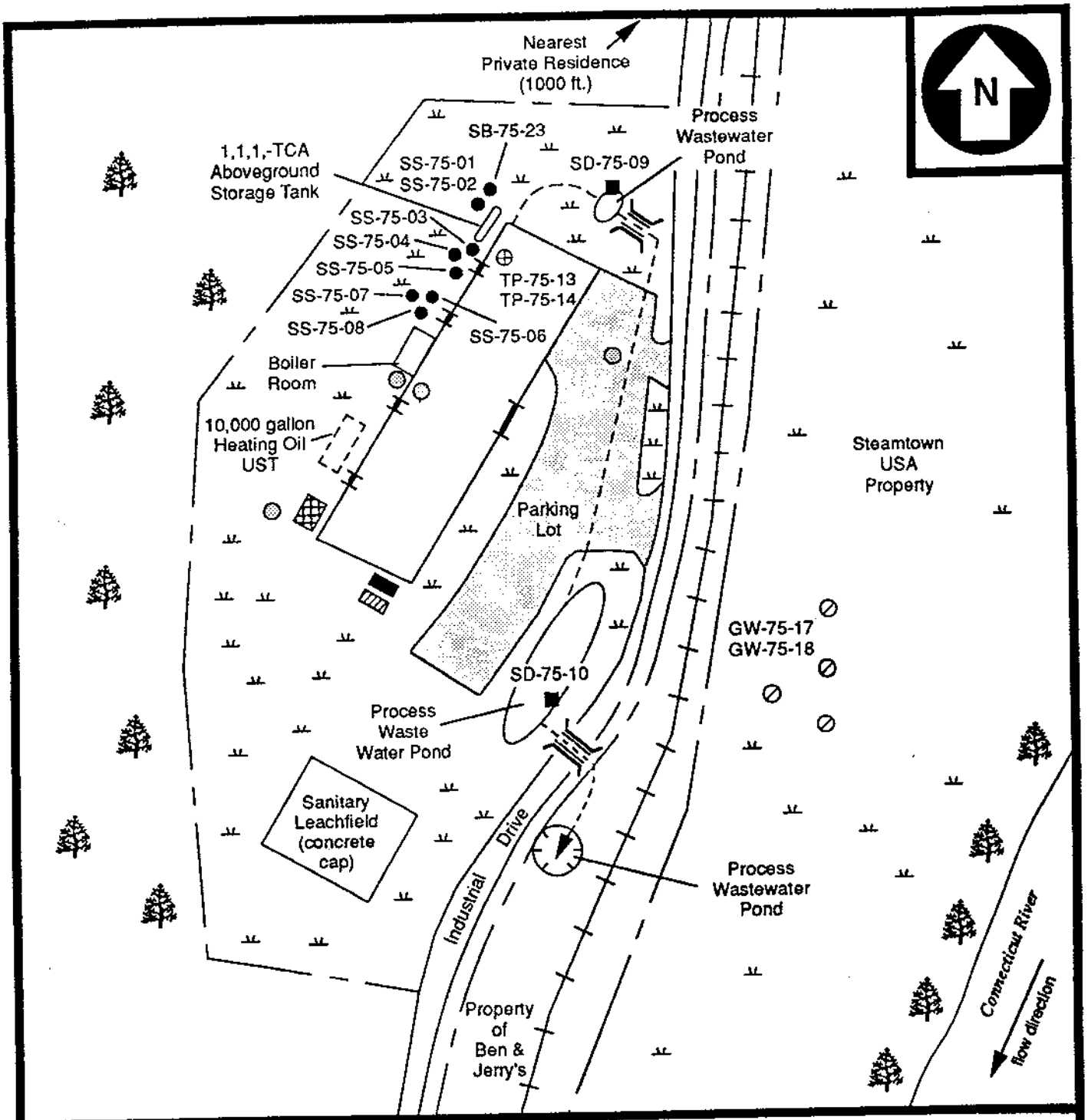
Figure 1.

former Steamtown, USA property to the east by the former Simmonds Precision Company (now a Ben and Jerry's warehouse) to the southeast (TRCC, 1992; Young, 1990). The Connecticut River flows past the site 0.1 miles east, on the other side of the Steamtown, USA property.

Based on contamination detected in Whitney Blake's process water ponds and wells and in downgradient ground water samples, the property was added to the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on September 20, 1990 (EPA, 1992).

The site consists of a large production building, with a paved parking lot and driveway, underbrush on the west and north sides, and a grassy area which covers a sanitary leachfield along the south side of the property (Figure 2) (TRCC, 1992). Whitney Blake also maintains three process waste water ponds. The first and smallest of the ponds is located outside the rear of the building (north), the second is off the southeastern corner of the parking lot and the third is across Industrial Drive, on the southeastern edge of the property (see Figure 2) (TRCC, 1992). These are all connected to each other by drainpipes (TRCC, 1992).

The facility is active, with 125 employees working on the property (TRCC, 1992). Whitney Blake has manufactured plastic-coated, coiled, telephone and appliance cords on this property since 1966, prior to which, the site was undeveloped farm and pasture land (Nelson, 1990a; Young, 1990). An unused 500-gallon 1,1,1-trichloroethane (TCA) tank is located at the northwestern corner of the building. Four doors were noted along the western side of the building. A concrete pad with three transformers, potentially containing polychlorinated biphenyls (PCBs), is located at the southwest corner of the building and a 10,000-gallon heating oil underground storage tank is located near the door at the southwestern edge of the building. A manhole is located at the southwestern corner of the building, two near the second door (one inside, one outside), and one in the northeastern corner of the parking lot. Two locked boxcars, in which virgin and waste 1,1,1,-TCA are stored, are located on concrete blocks on the south side of the building. A 220-foot deep process water well is located in the northwest corner of the building. Water from this well is pumped into eight, 100-gallon




| | | |
|---|---|---|
| Transformer Pad | Manhole | Industrial Water Supply Well, Screened in Overburden (GW = ground water sample location) |
| Railroad Tracks | Sediment Sample (SD) | Abandoned Drinking Water Well, Screened in Overburden (GW = ground water sample location) |
| Door | Soil Sample (SS = shallow; SB = deep) | Culvert |
| Property Boundary | Virgin TCA Storage Car | Woods |
| Paved Area | Used TCA Storage Car | |
| Grassy Area | Underground Pipe | |

**SITE SKETCH**

WHITNEY BLAKE COMPANY OF VERMONT
ROCKINGHAM, VERMONT

TRC Companies, Inc.

Figure 2.

MS51/7/0

holding tanks prior to use in manufacturing processes (TRCC, 1992) . Reportedly from 1974-1977 1-2 quarts per month of 1,1,1-TCA were poured onto the soil along the west side of the building.

Table 1 summarizes all identified structures or areas on the Whitney Blake property which are potential sources of contamination, the containment factors associated with each source, and the relative location of each source.

TABLE 1. SOURCE EVALUATION

| Potential Source Area | Containment Factors | Spatial Location |
|---|---|---|
| 1,1,1-TCA tank (unused) | None | Outdoors, off the northwest corner of the building. |
| Surface impoundments (ponds) | None (unlined) | At the rear of the building, off the parking lot and across the street. |
| 1,1,1-TCA storage boxcars | 55-gallon drums within a locked steel boxcar on concrete blocks. | On the south side of the building. |
| Sanitary leachfield: land treatment | Unknown | On the southern side of the property. |
| Contaminated soil | None | Along the west side of the building. |
| Transformers (three) | Placed on a concrete pad. | Outdoors, off the southwest corner of the building. |

(TRCC, 1992; Young, 1990)

There are eight RCRA notifiers in Bellows Falls and eight in Rockingham (EPA, 1991). One Superfund National Priorities List (NPL) site, the BFI Sanitary Landfill on Route 5 in Rockingham (VTD98052009) and one other CERCLIS site, Steamtown, USA (VTD988367025) are located within one mile of Whitney Blake (EPA, 1992). Table 2 summarizes RCRA notifiers located within one mile of Whitney Blake.

| TABLE 2. RCRA NOTIFIERS LOCATED WITHIN ONE MILE OF WHITNEY BLAKE | | |
|---|---|---|
| **Facility Name** | **Address** | **RCRA ID No.** |
| Simmonds Precision Products (former) | Off Route 5, Bellows Falls | VTD001834076 |
| Exit 6 Sunoco | Junction of Interstate 91 / Route 103, Rockingham | VTD981072978 |
| Vermont Agency of Transportation, District 2 | Junction of Routes 103 and 5, Rockingham | VTD982763203 |
| Courier Citizen Company | Industrial Drive, Bellows Falls | VTD095514659 |
| Woodlawn Tool and Machine | Industrial Drive, Bellows Falls | VTD054000740 |
| Browning Ferris Industry of Vermont | Route 5, Missing Link Road, Rockingham | VTD048727630 |

(EPA, 1991)

## SITE ACTIVITY/HISTORY

Whitney Blake manufactures plastic-coated, coiled telephone and appliance cords (Nelson, 1990a; TRCC, 1992). Wastes generated by their manufacturing processes include cutting and hydraulic oils (approximately 10 gallons/month), some metals from cutting wires for cords, and 1,1,1-TCA with which the metal wires are washed before being coated with plastics (Nelson, 1990a).

Whitney Blake generates between 100 - 250 gallons/month waste 1,1,1-TCA (Sarsfield, 1982; Rota, 1988). Virgin 1,1,1-TCA is stored in 55-gallon drums in a locked boxcar (TRCC, 1992). Waste 1,1,1-TCA is collected and stored in drums in another boxcar before being removed from the property by a licensed waste hauler (Safety-Kleen, Inc.) (Nelson, 1990a). Whitney Blake also has an onsite leachfield for sanitary waste disposal (TRCC, 1992). Water drawn from an onsite well is used to cool manufacturing equipment. The water is pumped into eight, 100-gallon tanks, from which it is circulated through the system. Water

that is not vented through a steam tower is drained into a series of three waste water ponds connected by a series of drainpipes (TRCC, 1992; Young, 1990). The waste cutting and hydraulic oil is currently removed by Jackson's Waste Oil Service, Piermont, NH (Nelson, 1990b).

Before Whitney Blake had this waste disposal system in place, all its 1,1,1-TCA was used until it had evaporated and all its waste oil was stored in drums. It was reported to the VTAEC by Bernie Filico, Whitney Blake plant manager, that, between 1974 and 1977, Whitney Blake employees occasionally poured excess 1,1,1-TCA (approximately 1-2 quarts/month) onto the ground by the back doors (Sarsfield, 1981). After 1977, Whitney Blake stored waste 1,1,1-TCA in drums until they were removed by a licensed waste hauler (Safety-Kleen, Inc.) (Nelson, 1990a). Table 3 summarizes the types of potentially hazardous substances which are or have been used, stored or disposed of on the property.

TABLE 3. HAZARDOUS WASTE QUANTITY

| Substance | Quantity | Years of Use/Storage | Years of Disposal | Source Area |
|---|---|---|---|---|
| 1,1,1-Trichloroethane (TCA) | 100 gallons/month | 1989 to present | Not applicable: removed off site | Stored in locked boxcars on blocks, south side of building |
| 1,1,1-Trichloroethane (TCA) | 2 quarts/month | 1974-1977 | 1974-1977 | Excess TCA poured onto ground outside rear door |
| Polychlorinated Biphenyls (PCBs) | Unknown | Unknown | Unknown | Transformer pad, west side of building |
| Waste Hydraulic Oil | 10-15 gallons/ month | 1966-present | Not applicable; removed from site periodically | Hazardous waste storage area (box cars) |

(Nelson, 1990ab; Sarsfield, 1981; Young, 1990; TRCC, 1992)

The following summarizes the facility's regulatory history:

- October 1981-September 1982: Prior to placing a public water supply well nearby, the VTAEC sampled the Whitney Blake process water well and pond and the Steamtown, USA former drinking water wells. Analyses indicated that Whitney Blake pond samples were contaminated with 1,1,1-TCA, tetrachloroethylene, nickel, and cadmium (VTDOH, 1981ab). The Steamtown, USA wells were contaminated with 1,1,1-TCA, tetrachloroethane, nickel, and cadmium, as well as trichloroethene (TCE), benzene, toluene, and chromium (VTDOH, 1981c; Ladue, 1982).

- October 7, 1981: A VTAEC interoffice memo confirmed that 1-2 quarts/month of 1,1,1-TCA were disposed of to the ground at Whitney Blake from 1974-1977 (Sarsfield, 1981).

- September 22, 1982: The Vermont Department of Public Health, based on the confirmed contamination of the Whitney Blake and Steamtown, USA wells, decided not to place a public water supply well nearby (approximately 500-1000 feet downgradient from Whitney Blake) (Ladue, 1982).

- March 19, 1985: The VTAEC completed a Notification of Hazardous Waste Site report for Whitney Blake (VTAEC, 1985).

- 1986-1990: Four RCRA inspections were conducted by VTAEC during this time. No significant violations were reported (Rota, 1986; Rota, 1988; Nelson, 1990a,b).

- November 1-8, 1990: Whitney Blake had its process water pond and well analyzed. Detected compounds included 1,1-dichloroethane, 1,1-dichloroethene, 1,1,1-TCA, arsenic, calcium, iron, manganese, sodium, zinc, and oil and grease (Whitney Blake, 1990).

- December 20, 1990: Michael Young of the Vermont Agency of Natural Resources (VTANR) completed a Preliminary Assessment of the Whitney Blake property and recommended a high priority Site Investigation (Young, 1990).

- July 14, 1992: The VTANR collected ground water and soil samples from the former drinking water wells at Steamtown, USA. They presented splits of the ground water samples to TRCC personnel (TRCC, 1992).

TRCC performed site reconnaissance at Whitney Blake on July 14, 1992 to identify potential sample locations and to verify current site conditions. TRCC performed environmental sampling at the site on August 14, 1992 (TRCC, 1992).

## ENVIRONMENTAL SETTING

Land use in the vicinity of Whitney Blake is a combination of residential and industrial (TRCC, 1992; USGS, 1985). The nearest residence is located approximately 1,000 feet north of the potential source areas at the property (TRCC, 1992; USGS, 1985). The nearest drinking water well is on the Steamtown, USA property, approximately 0.1 miles southeast; it is no longer used (TRCC, 1992). The nearest functional drinking water well is located approximately 1,000 feet northwest of the site, in Rockingham, VT (TRCC, 1992).

The soils in the vicinity of Whitney Blake are identified as Windsor Fine Loamy Sand and Winsooki Silt Loam (Sheehan, 1987). These units are part of the Dummerston-Macomber-Taconic zone of well drained, loamy, glacial sediments (Sheehan, 1987). Overburden materials consist of glacial lacustrine and fluvial sands and gravels, with some silt and clay (Stewart and McClintock, 1970), to a depth of greater than 260 feet. Depth to ground water in this area is approximately 30 feet (VTDEC, 1989). Whitney Blake is located in the Vermont Peidmont division of the New England Uplands, along the Connecticut Valley-Gaspe Synclinorium (Doll, 1961). Bedrock underlying the site is the Devonian-age Littleton Formation (Doll, 1961). The Littleton Formation in this area consists of slate and phyllite. The Whitney Blake process water well is 220 feet deep, screened in overburden and capable of yielding up to 300 gallons per minute (TRCC, 1992; Young, 1990). Ground water flow direction through the site is unknown; it is presumed to be east - southeast, toward the Connecticut River. Ground water in the vicinity of Whitney Blake is classified as Class 3, suitable for human consumption without treatment (Gabis, 1992a).

All or part of the following Vermont and New Hampshire villages and towns are located within four miles of Whitney Blake: Bellows Falls, VT (population 3,268), Rockingham, VT (population 1,675), Saxtons River, VT (population 541), Westminster, VT (population 3,315),

Charlestown, NH (population 4,630), Langdon, NH (population 580), and Walpole, NH (population 3210) (VT Data Center, 1990).

Most of the residents of these towns obtain drinking water from private wells. The exceptions are Bellows Falls and North Westminster which are served by the Bellows Falls Water Department (BFWD) (Young, 1990). The BFWD provides water to approximately 4,000 - 4,500 customers and is supplied entirely by Minards Pond (Hanley, 1992a), a surface water reservoir not located downstream of Whitney Blake. Public water supply wells within four miles of Whitney Blake include a well serving 36 customers in the North Shore Trailer Park (1.2 miles northwest), a well at the Vermont Academy in Saxtons Falls (3.5 miles southwest) serving 250 students and staff, a well at the Fall Mountain Regional High School (2.8 miles southeast) in Langdon, NH, serving 500 students and staff, and a well at the Sarah Porter Elementary School (3.5 miles east) in Langdon, NH, serving 50 students and staff. The North Shore Trailer Park well is located within a Wellhead Protection Area (Young, 1990; Gabis, 1992b,c).

Table 4 summarizes public well supply sources located within four miles of Whitney Blake, including the direction and distance from the property, the source location, the approximate population served, and the source type, if known. For the most part, the wells serve school students, not residents. Table 5 summarizes the approximate population served by private drinking water wells within four miles of the site. Drinking water usage was modelled as follows: areas not served by the BFWD or by other public wells were assessed through house counts. The house count for each town or village was multiplied by the persons per household figure provided by the U.S. Census Bureau.

Process water from Whitney Blake is drained through a pipe into a small pond at the rear of the building. This pond is fed through a drainpipe into the main process waste water pond southeast of the building, next to the parking lot. From there, any excess waste water flows through a culvert/drainpipe under the street to a large basin. Water in this overflow basin, is internally drained, or evaporates (Hanley, 1992b). Surface water at the site would most likely drain along the sides of the building until it joins a stream draining into the first process

| TABLE 4. WATER SUPPLY WELLS LOCATED WITHIN FOUR MILES OF THE WHITNEY BLAKE COMPANY OF VERMONT | | | | |
|---|---|---|---|---|
| **Distance/ Direction from Site** | **Source Name** | **Location of Source** | **Approximate Population Served** | **Source Type** |
| 1.2 miles northwest | North Shore Trailer Park well | Rockingham, VT | 36 | Bedrock well, depth unknown |
| 2.8 miles, east-southeast | Fall Mountain Regional High School well | Langdon, NH | 500 | Bedrock well, depth unknown |
| 3.5 miles southwest | Vermont Academy well | Saxtons River, VT | 250 | Bedrock well, depth unknown |
| 3.5 miles east-southeast | Sarah Porter Elementary School well | Langdon, NH | 50 | Bedrock well, depth unknown |
| **TOTAL** | | | **836** | |

(Young, 1990; Gabis, 1992b,c,d)

water pond and hence through the system (TRCC, 1992). Any other runoff from the site drains into manholes which empty into the process water ponds. No surface water is expected to drain off-site (TRCC, 1992).

There are two small wetlands, totalling approximately 0.2 square miles in area, within one mile of Whitney Blake. The wetlands are associated with Albees Cove and Herricks Cove and are a combination of shrub-scrub, emergent palustrine environments, semi-permanent lakes and rivers, palustrine forested wetlands (NWI, 1977; USGS, 1985). Table 6 lists state and federally listed threatened and endangered species found within one mile of the site.

Approximately 125 people work at the Whitney Blake facility (TRCC, 1992). Approximately 6,240 people reside within four miles of the property (Gabis, 1992d). Table 7 summarizes the distribution of residents and onsite workers within four miles of the Whitney Blake Company.

| TABLE 5. PRIVATE WELL USERS LOCATED WITHIN FOUR MILES OF THE WHITNEY BLAKE COMPANY OF VERMONT | | | |
|---|---|---|---|
| **Radial Distance from Site (miles)** | **Town** | **Subtotal** | **Approximate Population Served by Private Wells** |
| Onsite | Bellows Falls, VT | 0 | 0 |
| 0.00-0.25 | Bellows Falls, VT | 3 | 3 |
| 0.25-0.50 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH | 0<br>20<br>8 | 28 |
| 0.50-1.00 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH | 0<br>29<br>6<br>2 | 37 |
| 1.00-2.00 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH | 0<br>125<br>113<br>688 | 926 |
| 2.00-3.00 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH<br>Langdon, NH<br>Saxtons River, VT<br>Westminster, VT | 0<br>245<br>100<br>15<br>84<br>210<br>0 | 654 |
| 3.00-4.00 | Westminster, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH<br>Langdon, NH<br>Saxtons River, VT | 127<br>245<br>5<br>265<br>332<br>694 | 1668 |
| **TOTAL** | | | **3,316** |

(VT Data Center, 1990; Gabis, 1992d)

TABLE 6. THREATENED OR ENDANGERED SPECIES LOCATED WITHIN ONE MILE OF THE WHITNEY BLAKE COMPANY OF VERMONT

| Common Name | Scientific Name | Distance | Status |
|---|---|---|---|
| Pygmyweed | *Tillaea aquatica* | 0-0.25 miles | S2 |
| Pied-Billed Grebe | *Podilymbus podiceps* | 0.25-0.5 miles | S2 SC |
| Sora | *Porzana carolina* | 0.25-0.5 miles | S2 SC |
| Orchard Oriole | *Icterus spurius* | 0.25-0.5 miles | S1 S2B |
| Hairy Sedge | *Carex trichocarpa* | 0.25-0.5 miles | S1 |
| Many-Fruited False Loosestrife | *Ludwigia polycarpa* | 0.25-0.5 miles | S1 E |
| Tupelo Black Gum | *Nyssa sylvatica* | 0.25-0.5 miles | S2 |
| Four-leaved milkweed | *Asclepias quadrifolia* | 0.5-1.0 miles | S3 S4 |
| American Hazelnut | *Corylus americana* | 0.5-1.0 miles | S1 |
| Flowering Dogwood | *Cornus florida* | 0.5-1.0 miles | S1 T |
| Prostrate Tick-Trefoil | *Desmodium rotundifolium* | 0.5-1.0 miles | S1 T |
| Sprout Muhly | *Muhlenbergia soboliferia* | 0.5-1.0 miles | S3 |
| Slender Muhly | *Muhlembergia tenuiflora* | 0.5-1.0 miles | S3 |
| Poke Milkweed | *Asclepias exaltata* | 0.5-1.0 miles | S3 |
| Coffee Tinker's-Weed | *Triosteum aurantiacum* | 0.5-1.0 miles | S3 |
| Spice bush | *Linderia benzoin* | 0.5-1.0 miles | S3 |
| Flowering Dogwood | *Cornus florida* | 0.5-1.0 miles | S1 T |
| Mild Water-pepper | *Polygonum hydropiperoides* | 0.5-1.0 miles | S1 |
| False Cyperus | *Carex pseudocyperus* | 0.5-1.0 miles | S3 |
| Barbed-bristle Bulrush | *Scirpus ancistrochaetus* | 0.5-1.0 miles | S1 E PE |
| Slender Paspalum | *Paspalum ciliatifolium* | 0.5-1.0 miles | S2 |
| Pursh's Bulrush | *Scirpus purshianus* | 0.5-1.0 miles | S2 |

S1 = Very rare, highest state inventory and protection priority, 1-5 occurrences
S2 = Very vulnerable, 6-20 occurrences
S3 = Uncommon in state
SC = Species of special concern
T = Threatened
E = Endangered
PE = Proposed for endangered
(First listing is state, second is federal)
(Marshall, 1992)

TABLE 7. ESTIMATED POPULATION WITHIN FOUR MILES OF THE WHITNEY BLAKE COMPANY OF VERMONT

| Radial Distance from Site (miles) | Town | Population | Subtotal |
|---|---|---|---|
| Onsite (workers) | Bellows Falls, VT | 125 | 125 |
| 0.00-0.25 | Bellows Falls, VT | 38 | 38 |
| 0.25-0.50 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH | 28<br>20<br>8 | 56 |
| 0.50-1.0 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH | 24<br>29<br>6<br>2 | 61 |
| 1.00-2.00 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH | 503<br>215<br>113<br>688 | 1519 |
| 2.00-3.00 | Bellows Falls, VT<br>Rockingham, VT<br>Charlestown, NH<br>Walpole, NH<br>Langdon, NH<br>Westminster, VT<br>Saxtons River, VT | 1745<br>245<br>100<br>15<br>84<br>168<br>210 | 2567 |
| 3.00-4.00 | Rockingham, VT<br>Charlestown, NH<br>Walpole, NH<br>Langdon, NH<br>Westminster, VT<br>Saxtons River, VT | 245<br>5<br>265<br>332<br>458<br>694 | 1999 |
| **TOTAL** | | | **6365** |

(VT Data Center, Gabis, 1992d)

## RESULTS

In October 1981, and August 1982, the VTAEC sampled the Whitney Blake process water ponds and the Steamtown, USA drinking water wells. Analyses indicated that the Whitney Blake process water ponds contained 1,1,1-TCA, tetrachloroethylene, nickel, and cadmium (VTAEC, 1981a,b,c). The Steamtown, USA wells were contaminated with 1,1,1-TCA, tetrachloroethylene, trichloroethene (TCE), benzene, toluene, nickel, cadmium, and chromium (Ladue, 1982).

In November 1990, Whitney Blake had its process water well and ponds analyzed. Analytical results indicated that the wells and the ponds were contaminated with 1,1-dichloroethane, 1,1-dichloroethene, 1,1,1-TCA, arsenic, calcium, iron, manganese, sodium, zinc, and oil and grease (Whitney Blake, 1990).

In conjunction with a Site Inspection they were conducting, VTANR personnel collected soil and ground water samples from the Steamtown, USA property on July 14, 1992 (TRCC, 1992). Two ground water split samples from a former deep drinking water well, including a matrix spike/matrix spike duplicate sample (GW-75-17, GW-75-18) were provided. A trip blank was also collected for these samples (TB-75-20). These samples were analyzed for low concentration organic compounds under a Special Analytical Services request.

TRCC personnel conducted sampling of surface soil, sediment, and ground water on the Whitney Blake property on August 14, 1992 (TRCC, 1992). Ten sediment/soil samples, including duplicate samples (SS-75-01/SS-75-02), a matrix spike/matrix spike duplicate sample (SD-75-10), and an equipment rinsate blank sample (RB-75-21) were also collected (TRCC, 1992). Three ground water samples were collected from the Whitney Blake process water well, including matrix spike/matrix spike duplicate and duplicate samples (TP-75-13/TP-75-14) and a trip blank sample (TB-75-22) (TRCC, 1992). All samples were analyzed through the Contract Laboratory Program (CLP) for Target Compound List (TCL) volatile organic compounds (VOCs); semi-volatile organic compounds which include base neutral/acid extractable (BNAs) organic compounds, pesticides, and polychlorinated biphenyls (PCBs); and

Target Analyte List (TAL) inorganic elements, and cyanide. Complete sediment and soil analytical results and quantitation limits are presented in Appendix A. Table 8 includes a summary of the samples collected by TRCC personnel; the sample locations are depicted on Figure 2. Table 9 is a summary of soil and sediment sample descriptions.

Table 10 is a summary of compounds and elements detected in samples collected by TRCC. Listing of a compound or element is based upon its detection at a concentration which is at least three times greater than the concentration of the same compound or element in a reference sample. If the compound or element was not detected in a reference sample, the sample quantitation limit (SQL) or sample detection limit (SDL) is used as a reference concentration; the compound or element is listed on the table if its concentration is greater than or equal to the SQL/SDL. Compounds and elements listed on Table 10 are referred to in this report as exceeding "reference criteria". EPA guidance was followed in selecting reference samples from each matrix.

Soil sample SS-75-03, collected near the northern-most rear door was selected as the soil and sediment reference sample because it contained the lowest contaminant concentrations of organic compounds and inorganic analytes. No reference or upgradient locations for samples GW-75-13/GW-75-14 and for Steamtown, USA samples GW-75-17/GW-75-18 were available. As a result, these samples were compared with SQLs and SDLs.

No VOCs were detected above reference criteria in soils, sediment, or ground water samples collected on the Whitney Blake property.

No BNAs, pesticides, or PCBs were detected in the ground water samples above reference criteria. Six inorganic analytes were detected in concentrations above reference criteria in the process well water samples (TP-75-13, -14) including calcium, sodium, magnesium, manganese, zinc, and potassium at concentrations ranging from 4.8 micrograms per liter (µg/L) (manganese in TP-75-13) to 37,100 µg/L (calcium in TP-75-14).

TABLE 8. SAMPLE SUMMARY

Environmental Samples Collected by TRCC on July 14, 1992 and August 14, 1992

| Sample Location Number | Traffic Report Number(s) | Time Collected | Remarks | Sample Depth | Sample Source |
|---|---|---|---|---|---|
| SS-75-01 | ADC44 MAAR66 | 15:15 | Grab | 0-2" | Shallow soil sample collected from below the 1,1,1 TCA above-ground tank. |
| SS-75-02 | ADC45 MAAR67 | 15:20 | Grab | 0-2" | Duplicate of SS-75-01, for quality control purposes. |
| SS-75-03 | ADC46 MAAR68 | 15:25 | Grab | 0-2" | Shallow soil sample collected from northern-most door along the rear of the building. |
| SS-75-04 | ADC47 MAAR69 | 15:30 | Grab | 0-2" | Shallow soil sample collected from northern-most door along the rear of the building. |
| SS-75-05 | ADC48 MAAR70 | 15:40 | Grab | 0-2" | Shallow soil sample collected from northern-most door along the rear of the building. |
| SS-75-06 | ADC49 MAAR71 | 15:45 | Grab | 0-2" | Shallow soil sample collected from the second northern-most door. |
| SS-75-07 | ADC50 MAAR72 | 15:50 | Grab | 0-2" | Shallow soil sample collected from second northern-most door of the building. |
| SS-75-08 | ADC51 MAAR73 | 15:55 | Grab | 0-2" | Shallow soil sample collected from second northern-most door. |
| SD-75-09 | ADC52 MAAR74 | 14:40 | Grab | 0-2" | Sediment sample collected from the pond at the north side of the building. |

| TABLE 8. (CONTINUED) | | | | | |
|---|---|---|---|---|---|
| **Sample Location Number** | **Traffic Report Number(s)** | **Time Collected** | **Remarks** | **Sample Depth** | **Sample Source** |
| SD-75-10 | ADC53 MAAR75 | 14:30 | Grab | 0-2" | Sediment sample collected from the second process waste water pond next to the parking lot. |
| TP-75-13* | ADC56 MAAR78 | 12:00 | Grab | N/A | Process well water sample collected from the tap after the holding tanks. |
| TP-75-14* | ADC57 MAAR79 | 12:00 | Grab | N/A | Duplicate of TP-75-13, for quality control purposes. |
| GW-75-17 | SAO385 MAY959 | 15:40 7/14/92 | Grab | N/A | Ground water sample collected from former Steamtown, USA drinking water well. |
| GW-75-18 | SAO386 MAY960 | 15:40 7/14/92 | Grab | N/A | Duplicate of GW-75-17, for quality control purposes. |
| TB-75-20 | SAO383 | 15:40 7/14/92 | Grab | N/A | Trip blank for Steamtown, USA well samples. |
| RB-75-21 | ADC60 MAAR82 | 11:45 | Grab | N/A | Rinsate blank for soil/sediment sampling equipment. |
| TB-75-22 | ADC61 | 10:20 | Grab | N/A | Trip blank for Whitney Blake well samples. |
| SB-75-23 | ADC62 MAAR83 | 16:30 | Grab | 3.5 ' | Deep soil sample collected from same location as SS-75-03. |

(TRCC, 1992)
*Note: TP is used to designate a ground water sample collected from a tap.

| TABLE 9. SAMPLE DESCRIPTIONS | |
|---|---|
| **Sample Number** | **Description** |
| SS-75-01 | Dark brown silt. |
| SS-75-02 | Dark brown silt. |
| SS-75-03 | Dark brown silt. |
| SS-75-04 | Dark brown silt. |
| SS-75-05 | Dark brown silt. |
| SS-75-06 | Dark brown silt. |
| SS-75-07 | Dark brown silt. |
| SS-75-08 | Dark brown silt. |
| SD-75-09 | Dark brown fine to coarse sand with some silt and organic odor. |
| SD-75-10 | Brown to dark brown fine sand with silt and organics. |
| SB-75-23 | Dark brown silt with a mottling of tan silt. |

(TRCC, 1992)

One BNA, bis(2-ethylhexyl)phthalate (BEHP), was detected above reference criteria in sample SD-75-10. The pesticide, endosulfan I was detected above reference criteria in sample SD-75-09, collected from the first process waste water pond. In addition, one PCB compound, Aroclor-1254, was detected at concentrations exceeding reference criteria in soil samples SS-75-08 (100 μg/L) and SS-75-04 (230 μg/L), collected from the areas outside two rear doors of the building. Aroclor-1254 was also detected in three other samples at concentrations below reference criteria. Three inorganic elements, selenium, lead, and barium, were detected above reference criteria in soil samples SS-75-01, SS-75-04 and SS-75-06, respectively, and lead was detected above reference criteria in sediment sample SD-75-10.

TABLE 10. SAMPLE RESULTS SUMMARY

Samples Collected by TRCC Personnel on July 14, 1992 and August 14, 1992

| Sample Location | Compound/Element | Sample Concentration | | | Reference Concentration | | | Comments |
|---|---|---|---|---|---|---|---|---|
| SS-75-01 | Selenium | 0.97 | J | mg/Kg | 0.94 | | mg/Kg | 1.03 × SDL |
| SS-75-04 | Aroclor-1254 | 230 | | µg/Kg | 23 | J | µg/Kg | 10 × REF |
| | Lead | 24.4 | | mg/Kg | 7.9 | | mg/Kg | 3.09 × REF |
| SS-75-06 | Barium | 111 | | mg/Kg | 28.4 | | mg/Kg | 3.96 × REF |
| SS-75-08 | Aroclor-1254 | 100 | | µg/Kg | 23 | J | µg/Kg | 4.35 × REF |
| SD-75-09 | Endosulfan I | 7.7 | J | µg/Kg | 2.3 | | µg/Kg | 3.35 × SDL |
| SD-75-10 | bis(2- Ethylhexyl)phthalate | 5200 | J | µg/Kg | 860 | UJ | µg/Kg | 6.04 × SQL |
| | Lead | 28.9 | | mg/Kg | 7.9 | J | mg/Kg | 3.66 × REF |
| TP-75-13 | Calcium | 36200 | | µg/L | 1.5 | | µg/L | 24133 × SDL |
| | Magnesium | 10000 | | µg/L | 40.1 | | µg/L | 250 × SDL |
| | Manganese | 4.8 | | µg/L | 4.4 | | µg/L | 1.09 × SDL |
| | Potassium | 1650 | | µg/L | 365.5 | | µg/L | 4.51 × SDL |
| | Sodium | 6320 | | µg/L | 31.3 | | µg/L | 201.9 × SDL |
| | Zinc | 37.4 | J | µg/L | 2.90 | | µg/L | 12.8 × SDL |
| TP-75-14 | Calcium | 37100 | | µg/L | 1.5 | | µg/L | 24733 × SDL |
| | Magnesium | 10300 | | µg/L | 40.1 | | µg/L | 257.5 × SDL |
| | Potassium | 1620 | | µg/L | 365.5 | | µg/L | 4.48 × SDL |
| | Sodium | 6440 | | µg/L | 31.3 | | mg/L | 205.7 × SDL |
| GW-75-17 | Methylene chloride | 5 | | µg/L | 1 | | µg/L | 5 × SQL |
| | 1,1-Dichloroethene | 9 | | µg/L | 1 | | µg/L | 9 × SQL |
| | 1,1-Dichloroethane | 6 | | µg/L | 1 | | µg/L | 6 × SQL |
| | 1,1,1-Trichloroethane | *86 | | µg/L | *25 | | µg/L | 3.44 × SQL |
| | Bromodichloromethane | 1 | | µg/L | 1 | | µg/L | Equals SQL |
| | Trichloroethene | 3 | J | µg/L | 1 | | µg/L | 3 × SQL |
| | Tetrachloroethene | 7 | | µg/L | 1 | | µg/L | 7 × SQL |
| | Arsenic | 7 | | µg/L | 3 | | µg/L | 2.33 × SDL |
| | Calcium | 24800 | | µg/L | 5 | | µg/L | 4960 × SDL |
| | Lead | 4.1 | J | µg/L | 1 | | µg/L | 4.1 × SDL |
| | Magnesium | 7610 | | µg/L | 27.0 | | µg/L | 281.8 × SDL |
| | Manganese | 4.3 | | µg/L | 1.0 | | µg/L | 4.3 × SDL |
| | Potassium | 1830 | J | µg/L | 676 | | µg/L | 2.7 × SDL |
| | Sodium | 3760 | | µg/L | 27 | | µg/L | 139.2 × SDL |

TABLE 10. SAMPLE RESULTS SUMMARY

Samples Collected by TRCC Personnel on July 14, 1992 and August 14, 1992

| Sample Location | Compound/Element | Sample Concentration | | | Reference Concentration | | Comments |
|---|---|---|---|---|---|---|---|
| GW-75-18 | Methylene chloride | 6 | | µg/L | 1 | µg/L | 6 × SQL |
| | 1,1-Dichloroethene | 10 | | µg/L | 1 | µg/L | 10 × SQL |
| | 1,1-Dichloroethane | 5 | | µg/L | 1 | µg/L | 5 × SQL |
| | 1,1,1-Trichloroethane | *80 | | µg/L | *25 | µg/L | 3.2 × SQL |
| | Bromodichloromethane | 1 | | µg/L | 1 | µg/L | Equals SQL |
| | Trichloroethene | 3 | | µg/L | 1 | µg/L | 3 × SQL |
| | Tetrachloroethene | 7 | | µg/L | 1 | µg/L | 7 × SQL |
| | Arsenic | 7.2 | | µg/L | 3 | µg/L | 2.4 × SDL |
| | Calcium | 24600 | | µg/L | 5 | µg/L | 4920 × SDL |
| | Lead | 1 | J | µg/L | 1 | µg/L | Equals SDL |
| | Magnesium | 7540 | | µg/L | 27.0 | µg/L | 279.3 × SDL |
| | Manganese | 3.9 | | µg/L | 1.0 | µg/L | 3.9 × SDL |
| | Potassium | 1440 | | µg/L | 676 | µg/L | 2.13 × SDL |
| | Sodium | 3740 | | µg/L | 27 | µg/L | 138.5 × SDL |

SS-75-03 - Soil and sediment reference sample
* - results reported from diluted analysis
µg/Kg - micrograms per kilogram
µg/L - micrograms per liter
mg/Kg - milligrams per kilogram
SQL - Sample Quantitation Limit
SDL - Sample Detection Limit
J - value approximated due to limitations identified during quality control review
UJ - quantitation limit is approximate due to limitations identified during the quality control review.
TP - ground water sample collected from a tap
REF - the reference sample (SS-75-03)

The ground water samples collected from the former Steamtown, USA drinking water wells contained seven VOCs at concentrations exceeding reference criteria. These VOCs included methylene chloride, 1,1- dichloroethene, 1,1-dichloroethane, 1,1,1-TCA, TCE, tetrachloroethane, and bromodichloromethane 1,1,1-TCA was present at the highest concentrations in GW-75-77, and GW-75-18 (86 µg/L and 80 µg/L, respectively). Inorganic elements detected in these wells at concentrations exceeding reference criteria include arsenic, calcium, lead, magnesium, manganese, potassium, and sodium.

The Whitney Blake process water well currently appears to be free of contamination however, there is previous evidence of VOC contamination in the well. The presence of VOCs in the Steamtown, USA well sample indicates that ground water contamination in the area persists. It is not known if the Steamtown, USA wells are downgradient of Steamtown, USA source areas. The Steamtown, USA wells are assumed to be crossgradient and downgradient of source areas at Whitney Blake, including two of the process water ponds. The VOCs detected in the Steamtown, USA wells are consistent with materials currently used and historically disposed of at Whitney Blake (including 1,1,1-TCA and tetrachloroethane).

The results of samples collected from Whitney Blake indicate that a release of hazardous substances to shallow soil may have occurred on the property. The presence of BEHP is consistent with the plastic manufacturing and coating at Whitney Blake. The presence of Aroclor-1254 could possibly be related to a release of cutting oil or transformer oil. In addition, the presence of metals could also be related to the cutting and processing of metal wire.

## SUMMARY

The Whitney Blake Company of Vermont is an active facility which has operated at its present location since 1966. The company manufactures plastic-coated, coiled electrical cords for appliances and telephones. Manufacturing processes include wire extruding, cutting, washing, coiling and plastic coating. Materials used in these processes include 1,1,1-trichloroethane (TCA) for washing and cutting, lubricating oils, and hydraulic fluids. There is also a transformer on a concrete pad next to the building. The Vermont Agency of Environmental Conservation (VTAEC) previously documented the disposal of 1,1,1-TCA to the ground and Whitney Blake has detected 1,1,1-TCA and tetrachloroethane in ground water collected from a process water well (Whitney Blake, 1990; Sarsfield, 1981). In addition, 1,1,1-TCA, tetrachloroethane, trichloroethene and other chlorinated solvents have been detected in a former drinking water well at the Steamtown, USA property, approximately 1000 feet southeast and hydraulically downgradient of the property (VTDOH, 1981c; Ladue, 1982).

The land in the vicinity of Whitney Blake is primarily rural interspersed with one or two industrial parks. The nearest residence to the site is located approximately 1,000 feet north of the property and nearest private drinking water well in use is thought to be located approximately 1,000 feet northwest of the site (TRCC, 1992). Approximately 836 people obtain drinking water from public wells located within four miles of the site, and approximately 3,316 people obtain drinking water from private wells located within four miles of the site (Gabis, 1992d).

The surface water runoff from Whitney Blake is channelled into a series of process waste water ponds, which all empty into an internally drained onsite basin. Twenty-two state or federally listed species are found in habitats within one mile of the site (Young, 1990). Approximately 125 people work at the Whitney Blake facility and 155 people live within one mile of the property (Gabis, 1992d; VT Data Center, 1990).

The results of TRCC ground water, soil, and sediment sampling conducted August 14, 1992, indicate that no organic compounds are present above reference criteria in the Whitney Blake process water well. Seven chlorinated volatile organic compounds were detected above reference criteria in the former Steamtown, USA drinking water well as a result of the VTANR sampling on July 14, 1992. Five inorganic elements were detected in the process water well and seven inorganics were detected in the Steamtown, USA drinking water wells. One sediment sample contained a phthalate, one sediment sample contained a pesticide and two soil samples contained polychlorinated biphenyls (PCBs) at concentrations exceeding reference criteria. Three soils and one sediment sample contained three inorganic elements at concentrations above reference criteria. The presence of the phthalate, PCBs, and inorganic elements may be a result of a release from the Whitney Blake facility. In addition, many of the VOCs detected in the Steamtown USA well are known to have been used or disposed of on the Whitney Blake property.

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# APPENDIX A

## ANALYTICAL RESULTS OF GROUND WATER, SEDIMENT, AND SOIL SAMPLES
**Collected by TRCC Personnel at the Whitney Blake Company of Vermont on July 14, 1992 and August 14, 1992**

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR66
ANALYTICAL RESULTS

| Sample Location | | | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | | | MAAR66 | MAAR67 | MAAR68 | MAAR69 | MAAR70 | MAAR71 | MAAR72 | MAAR73 |
| Remarks | | | Soil from underneath TCA tank. | Duplicate of SS-75-01 | Soil from rear, northern -most door. | Soil from rear, northern -most dooror | Soil from rear, northern -most door. | Soil fron second rear door | Soil fron second rear door | Soil fron second rear door |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 |
| Inorganic Elements | | CRDL (ug/L) | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Aluminum | P | 200 | 16200 | 14500 | 10700 | 13400 | 11500 | 12000 | 13700 | 9670 |
| Antimony | P | 60 | | | | | | | | |
| Arsenic | F | 10 | 4.3 | 3.9 | 4.3 | 3.9 | 4.0 | 2.2 | 3.7 | 3.6 |
| Barium | P | 200 | 60.5 | 64.5 | 28.4 | 50.1 | 35.8 | 111 | 39.5 | 44.4 |
| Beryllium | P | 5 | 0.33 | 0.35 | 0.28 | 0.38 | 0.27 | 0.32 | 0.36 | 0.24 |
| Cadmium | P | 5 | | | | | | | | |
| Calcium | P | 5000 | 806 | 900 | 1370 | 966 | 1210 | 1500 | 1260 | 1140 |
| Chromium | P | 10 | 24.9 | 21.7 | 16.0 | 20.5 | 16.5 | 17.4 | 20.9 | 14.6 |
| Cobalt | P | 50 | 12.1 | 11.7 | 9.9 | 11.6 | 10.7 | 9.9 | 11.6 | 8.5 |
| Copper | P | 25 | 22.1 J | 21.9 J | 22.2 J | 31.4 J | 26.5 J | 15.7 J | 18.8 J | 17.2 J |
| Iron | P | 100 | 25800 | 23600 | 18400 | 23000 | 19900 | 19400 | 21900 | 16600 |
| Lead | F | 3 | 7.0 | 7.3 | 7.9 | 24.4 | 12.6 | 7.0 | 6.7 | 6.9 |
| Magnesium | P | 5000 | 7650 | 6360 | 5190 | 5740 | 5710 | 4640 | 6150 | 4280 |
| Manganese | P | 15 | 557 | 697 | 420 | 693 | 443 | 1180 | 554 | 526 |
| Mercury | V | 0.2 | | | | | | 0.06 | | |
| Nickel | P | 40 | 30.6 | 25.7 | 22.2 | 24.6 | 22.9 | 19.4 | 25.6 | 18.5 |
| Potassium | P | 5000 | 1820 | 1530 | 1320 | 1380 | 1500 | 1050 | 1410 | 1060 |
| Selenium | F | 5 | 0.97 J | | | | | | | |
| Silver | P | 10 | 1.1 R | 1.4 R | 0.74 | 1.5 | 1.2 | 1.3 | 1.2 | 0.64 |
| Sodium | P | 5000 | | | | | | | 66.1 | |
| Thallium | F | 10 | | | | | | | | |
| Vanadium | P | 50 | 29.2 | 26.6 | 20.9 | 27.3 | 22.7 | 19.7 | 26.5 | 18.7 |
| Zinc | P | 20 | 142 | 148 | 79.7 | 183 | 97.3 | 59.2 | 71.2 | 114 |
| Cyanide | C | 10 | | | | | | | | |

Analytical Method
F Furnace
P ICP/Flame AA
V Cold Vapor
C Colorimetric

A blank space indicates the element was not detected.
J Quantitation is approximate due to limitations identified in the quality control review.
R Value is rejected.

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR66
ANALYTICAL RESULTS

| Sample Location | | | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | SD-75-09 | SD-75-10 | SB-75-23 | | | | | |
| Traffic Report Number | | | MAAR74 | MAAR75 | MAAR84 | | | | | |
| Remarks | | | Sediment 1st process water pond. | Sediment 2nd process water pond. | Deep soil from area SS-75-01. | | | | | |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Inorganic Elements | | CRDL (ug/L) | mg/Kg | mg/Kg | mg/Kg | | | | | |
| Aluminum | P | 200 | 9840 | 8610 | 15000 | | | | | |
| Antimony | P | 60 | | | | | | | | |
| Arsenic | F | 10 | 4.0 | 2.5 | 4.0 | | | | | |
| Barium | P | 200 | 50.8 | 25.3 | 34.2 | | | | | |
| Beryllium | P | 5 | 0.24 | 0.23 | 0.43 | | | | | |
| Cadmium | P | 5 | | | | | | | | |
| Calcium | P | 5000 | 1940 | 1380 | 1210 | | | | | |
| Chromium | P | 10 | 17.8 | 13.9 | 23.4 | | | | | |
| Cobalt | P | 50 | 9.1 | 6.3 | 12.2 | | | | | |
| Copper | P | 25 | 25.5 J | 34.1 J | 23.9 J | | | | | |
| Iron | P | 100 | 17200 | 14100 | 23500 | | | | | |
| Lead | F | 3 | 8.9 | 28.9 | 5.6 | | | | | |
| Magnesium | P | 5000 | 5260 | 4020 | 6490 | | | | | |
| Manganese | P | 15 | 114 | 128 | 540 | | | | | |
| Mercury | V | 0.2 | | | | | | | | |
| Nickel | P | 40 | 13.6 | 14.7 | 27.0 | | | | | |
| Potassium | P | 5000 | 2150 | 1070 | 1610 | | | | | |
| Selenium | F | 5 | | | | | | | | |
| Silver | P | 10 | 0.84 | 0.66 | 1.7 | | | | | |
| Sodium | P | 5000 | | 114 | 73.7 | | | | | |
| Thallium | F | 10 | | | | | | | | |
| Vanadium | P | 50 | 27.2 | 20.0 | 28.5 | | | | | |
| Zinc | P | 20 | 92.1 | 89.3 | 50.7 | | | | | |
| Cyanide | C | 10 | | | | | | | | |

Analytical Method
F Furnace
P ICP/Flame AA
V Cold Vapor
C Colorimetric

A blank space indicates the element was not detected.
J Quantitation is approximate due to limitations identified in the quality control review.

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR66
SAMPLE DETECTION LIMITS

| Sample Location | | | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | | | MAAR66 | MAAR67 | MAAR68 | MAAR69 | MAAR70 | MAAR71 | MAAR72 | MAAR73 |
| Remarks | | | Soil from underneath TCA tank. | Duplicate of SS-75-01 | Soil from rear, northern -most door. | Soil from rear, northern -most door. | Soil from rear, northern -most door. | Soil fron second, rear door | Soil fron second, rear door | Soil fron second, rear door |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 |
| Percent Solids | | | 76.2 | 76.3 | 77.6 | 77.1 | 76.2 | 79.0 | 78.7 | 81.8 |
| Inorganic Elements | | IDL (ug/L) | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Aluminum | P | 17.3 | 4.28 | 4.24 | 4.09 | 4.36 | 4.20 | 4.29 | 4.40 | 4.11 |
| Antimony | P | 16.5 | 4.09 UJ | 4.04 UJ | 3.90 UJ | 4.16 UJ | 4.01 UJ | 4.10 UJ | 4.19 UJ | 3.92 UJ |
| Arsenic | F | 2.4 | 0.63 | 0.60 | 0.58 | 0.58 | 0.62 | 0.58 | 0.58 | 0.54 |
| Barium | P | 1.0 | 0.25 | 0.24 | 0.24 | 0.25 | 0.24 | 0.25 | 0.25 | 0.24 |
| Beryllium | P | 0.4 | 0.10 | 0.10 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 |
| Cadmium | P | 1.4 | 0.35 | 0.34 | 0.33 | 0.35 | 0.34 | 0.35 | 0.36 | 0.33 |
| Calcium | P | 14.3 | 3.54 | 3.50 | 3.38 | 3.60 | 3.48 | 3.55 | 3.63 | 3.39 |
| Chromium | P | 3.7 | 0.92 | 0.91 | 0.87 | 0.93 | 0.90 | 0.92 | 0.94 | 0.88 |
| Cobalt | P | 2.3 | 0.57 | 0.56 | 0.54 | 0.58 | 0.56 | 0.57 | 0.58 | 0.55 |
| Copper | P | 2.4 | 0.59 | 0.59 | 0.57 | 0.60 | 0.58 | 0.60 | 0.61 | 0.57 |
| Iron | P | 16.3 | 4.04 | 3.99 | 3.85 | 4.11 | 3.96 | 4.05 | 4.14 | 3.87 |
| Lead | F | 1.7 | 0.45 | 0.42 | 0.41 | 0.41 | 0.44 | 0.41 | 0.41 | 0.38 |
| Magnesium | P | 16.6 | 4.11 | 4.07 | 3.93 | 4.18 | 4.03 | 4.12 | 4.22 | 3.94 |
| Manganese | P | 1.3 | 0.32 | 0.32 | 0.31 | 0.33 | 0.32 | 0.32 | 0.33 | 0.31 |
| Mercury | V | 0.1 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| Nickel | P | 6.0 | 1.49 | 1.47 | 1.42 | 1.51 | 1.46 | 1.49 | 1.52 | 1.42 |
| Potassium | P | 77.1 | 19.09 | 18.89 | 18.23 | 19.42 | 18.74 | 19.14 | 19.59 | 18.30 |
| Selenium | F | 3.6 | 0.94 | 0.90 | 0.88 | 0.87 UJ | 0.94 | 0.88 | 0.87 UJ | 0.81 UJ |
| Silver | P | 2.3 | 0.57 | 0.56 | 0.54 | 0.58 | 0.56 | 0.57 | 0.58 | 0.55 |
| Sodium | P | 29.7 | 52.30 | 40.70 | 41.80 | 43.90 | 50.30 | 56.10 | 7.55 | 28.60 |
| Thallium | F | 4.3 | 1.13 | 1.07 | 1.05 | 1.04 | 1.12 | 1.05 UJ | 1.04 | 0.97 |
| Vanadium | P | 3.3 | 0.82 | 0.81 | 0.78 | 0.83 | 0.80 | 0.82 | 0.84 | 0.78 |
| Zinc | P | 10.1 | 2.50 | 2.47 | 2.39 | 2.54 | 2.45 | 2.51 | 2.57 | 2.40 |
| Cyanide | C | 10.0 | 0.65 | 0.66 | 0.61 | 0.61 | 0.62 | 0.63 | 0.64 | 0.61 |

Analytical Method

F Furnace AA P ICP/Flame AA V Cold Vapor C Colorimetric

| Sample's wet weight (gms) digested | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| for Hg analysis | 0.20 | 0.22 | 0.23 | 0.21 | 0.23 | 0.22 | 0.22 | 0.20 |
| for ICP analysis | 1.06 | 1.07 | 1.09 | 1.03 | 1.08 | 1.02 | 1.00 | 1.03 |
| for furnace AA analysis | 1.00 | 1.05 | 1.06 | 1.07 | 1.01 | 1.04 | 1.05 | 1.08 |
| for Cyanide analysis | 1.01 | 1.00 | 1.05 | 1.06 | 1.05 | 1.00 | 1.00 | 1.01 |

| Volumes used preparing samples for analysis | |
|---|---|
| for Hg analysis | 100 mls |
| for ICP/AA analysis | 200 mls |
| for Cyanide analysis | 50 mls |

UJ Value is undetected and the quantitation is approximate due to limitations identified in the quality control review.

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR66
SAMPLE DETECTION LIMITS

| Sample Location | | | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | SD-75-09 | SD-75-10 | SB-75-23 | | | | | |
| Traffic Report Number | | | MAAR74 | MAAR75 | MAAR84 | | | | | |
| Remarks | | | Sediment 1st process water pond. | Sediment 2nd process water pond. | Deep soil from area SS-75-03. | | | | | |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Percent Solids | | | 76.5 | 74.8 | 77.3 | | | | | |
| Inorganic Elements | | IDL (ug/L) | mg/Kg | mg/Kg | mg/Kg | | | | | |
| Aluminum | P | 17.3 | 4.39 | 4.36 | 4.39 | | | | | |
| Antimony | P | 16.5 | 4.19 UJ | 4.16 UJ | 4.19 UJ | | | | | |
| Arsenic | F | 2.4 | 0.58 | 0.60 | 0.61 | | | | | |
| Barium | P | 1.0 | 0.25 | 0.25 | 0.25 | | | | | |
| Beryllium | P | 0.4 | 0.10 | 0.10 | 0.10 | | | | | |
| Cadmium | P | 1.4 | 0.36 | 0.35 | 0.36 | | | | | |
| Calcium | P | 14.3 | 3.63 | 3.61 | 3.63 | | | | | |
| Chromium | P | 3.7 | 0.94 | 0.93 | 0.94 | | | | | |
| Cobalt | P | 2.3 | 0.58 | 0.58 | 0.58 | | | | | |
| Copper | P | 2.4 | 0.61 | 0.61 | 0.61 | | | | | |
| Iron | P | 16.3 | 4.14 | 4.11 | 4.13 | | | | | |
| Lead | F | 1.7 | 0.41 | 0.42 | 0.43 | | | | | |
| Magnesium | P | 16.6 | 4.21 | 4.19 | 4.21 | | | | | |
| Manganese | P | 1.3 | 0.33 | 0.33 | 0.33 | | | | | |
| Mercury | V | 0.1 | 0.06 | 0.06 | 0.06 | | | | | |
| Nickel | P | 6.0 | 1.52 | 1.51 | 1.52 | | | | | |
| Potassium | P | 77.1 | 19.57 | 19.45 | 19.56 | | | | | |
| Selenium | F | 3.6 | 0.87 UJ | 0.90 UJ | 0.91 UJ | | | | | |
| Silver | P | 2.3 | 0.58 | 0.58 | 0.58 | | | | | |
| Sodium | P | 29.7 | 61.50 | 7.49 | 7.53 | | | | | |
| Thallium | F | 4.3 | 1.04 UJ | 1.07 | 1.09 | | | | | |
| Vanadium | P | 3.3 | 0.84 | 0.83 | 0.84 | | | | | |
| Zinc | P | 10.1 | 2.56 | 2.55 | 2.56 | | | | | |
| Cyanide | C | 10.0 | 0.61 | 0.62 | 0.59 | | | | | |

Analytical Method

F Furnace AA P ICP/Flame AA V Cold Vapor C Colorimetric

| Sample's wet weight (gms) digested | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| for Hg analysis | 0.23 | 0.22 | 0.22 | | | | | |
| for ICP analysis | 1.03 | 1.06 | 1.02 | | | | | |
| for furnace AA analysis | 1.08 | 1.07 | 1.02 | | | | | |
| for Cyanide analysis | 1.07 | 1.08 | 1.09 | | | | | |

| Volumes used preparing samples for analysis | |
|---|---|
| for Hg analysis | 100 mls |
| for ICP/AA analysis | 200 mls |
| for Cyanide analysis | 50 mls |

UJ Value is undetected and the quantitation is approximate due to limitations identified in the quality control review.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 |
| Analysis Date | 8/17/92 | 8/21/92 | 8/17/92 | 8/17/92 | 8/17/92 | 8/17/92 | 8/17/92 | 8/17/92 |
| VOLATILE ORGANIC COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Chloromethane | | | | | | | | |
| Bromomethane | | | | | | | | |
| Vinyl Chloride | | | | | | | | |
| Chloroethane | | | | | | | | |
| Methylene Chloride | | | | | | | | |
| Acetone | | | | | | | | |
| Carbon Disulfide | | | | | | | | |
| 1,1-Dichloroethene | | | | | | | | |
| 1,1-Dichloroethane | | | | | | | | |
| 1,2-Dichloroethene (Total) | | | | | | | | |
| Chloroform | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | |
| 2-Butanone | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | | | |
| Carbon Tetrachloride | | | | | | | | |
| Bromodichloromethane | | | | | | | | |
| 1,2-Dichloropropane | | | | | | | | |
| cis-1,3-Dichloropropene | | | | | | | | |
| Trichloroethene | | | | | | | | |
| Dibromochloromethane | | | | | | | | |
| 1,1,2-Trichloroethane | | | | | | | | |
| Benzene | | | | | | | | |
| trans-1,3-Dichloropropene | | | | | | | | |
| Bromoform | | | | | | | | |
| 4-Methyl-2-pentanone | | | | | | | | |
| 2-Hexanone | | | | | | | | |
| Tetrachloroethene | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | |
| Toluene | | | | | | | | |
| Chlorobenzene | | | | | | | | |
| Ethylbenzene | | | | | | | | |
| Styrene | | | | | | | | |
| Xylene (Total) | | | | | | | | |

A blank space indicates the compound was not detected.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | | | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Analysis Date | 8/17/92 | 8/18/92 | 8/18/92 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Chloromethane | | | | | | | | |
| Bromomethane | | | | | | | | |
| Vinyl Chloride | | | | | | | | |
| Chloroethane | | | | | | | | |
| Methylene Chloride | | | | | | | | |
| Acetone | | | | | | | | |
| Carbon Disulfide | | | | | | | | |
| 1,1-Dichloroethene | | | | | | | | |
| 1,1-Dichloroethane | | | | | | | | |
| 1,2-Dichloroethene (Total) | | | | | | | | |
| Chloroform | | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | |
| 2-Butanone | | | | | | | | |
| 1,1,1-Trichloroethane | | | | | | | | |
| Carbon Tetrachloride | | | | | | | | |
| Bromodichloromethane | | | | | | | | |
| 1,2-Dichloropropane | | | | | | | | |
| cis-1,3-Dichloropropene | | | | | | | | |
| Trichloroethene | | | | | | | | |
| Dibromochloromethane | | | | | | | | |
| 1,1,2-Trichloroethane | | | | | | | | |
| Benzene | | | | | | | | |
| trans-1,3-Dichloropropene | | | | | | | | |
| Bromoform | | | | | | | | |
| 4-Methyl-2-pentanone | | | | | | | | |
| 2-Hexanone | | | | | | | | |
| Tetrachloroethene | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | |
| Toluene | | | | | | | | |
| Chlorobenzene | | | | | | | | |
| Ethylbenzene | | | | | | | | |
| Styrene | | | | | | | | |
| Xylene (Total) | | | | | | | | |

A blank space indicates the compound was not detected.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Percent Solids | 75 | 75 | 75 | 76 | 76 | 76 | 77 | 80 |
| VOLATILE ORGANIC COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Chloromethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Bromomethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Vinyl Chloride | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Chloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Methylene Chloride | 50 | 38 | 17 | 14 | 19 | 18 | 17 | 75 |
| Acetone | 18 | 13 UJ | 17 | 13 | 13 | 13 | 13 | 12 |
| Carbon Disulfide | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| ,1-Dichloroethene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1,1-Dichloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1,2-Dichloroethene (Total) | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Chloroform | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1,2-Dichloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 2-Butanone | 13 UJ | 13 | 13 UJ | 13 UJ | 13 UJ | 13 UJ | 13 UJ | 12 UJ |
| ,1,1-Trichloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Carbon Tetrachloride | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Bromodichloromethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| ,2-Dichloropropane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| is-1,3-Dichloropropene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Trichloroethene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| ibromochloromethane | 13. | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| ,1,2-Trichloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Benzene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| ans-1,3-Dichloropropene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| romoform | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 4-Methyl-2-pentanone | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| -Hexanone | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| etrachloroethene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| 1,1,2,2-Tetrachloroethane | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| oluene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| hlorobenzene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| Ethylbenzene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| tyrene | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |
| lene (Total) | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18522 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | | | | | | | | |
| Percent Solids | 76 | 77 | 75 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Chloromethane | 13 | 13 | 13 | | | | | |
| Bromomethane | 13 | 13 | 13 | | | | | |
| Vinyl Chloride | 13 | 13 | 13 | | | | | |
| Chloroethane | 13 | 13 | 13 | | | | | |
| Methylene Chloride | 26 | 60 | 32 | | | | | |
| Acetone | 45 | 77 | 20 | | | | | |
| Carbon Disulfide | 13 | 13 | 13 | | | | | |
| 1,1-Dichloroethene | 13 | 13 | 13 | | | | | |
| 1,1-Dichloroethane | 13 | 13 | 13 | | | | | |
| 1,2-Dichloroethene (Total) | 13 | 13 | 13 | | | | | |
| Chloroform | 13 | 13 | 13 | | | | | |
| 1,2-Dichloroethane | 13 | 13 | 13 | | | | | |
| 2-Butanone | 13 UJ | 13 | 13 | | | | | |
| 1,1,1-Trichloroethane | 13 | 13 | 13 | | | | | |
| Carbon Tetrachloride | 13 | 13 | 13 | | | | | |
| Bromodichloromethane | 13 | 13 | 13 | | | | | |
| 1,2-Dichloropropane | 13 | 13 | 13 | | | | | |
| cis-1,3-Dichloropropene | 13 | 13 | 13 | | | | | |
| Trichloroethene | 13 | 13 | 13 | | | | | |
| Dibromochloromethane | 13 | 13 | 13 | | | | | |
| 1,1,2-Trichloroethane | 13 | 13 | 13 | | | | | |
| Benzene | 13 | 13 | 13 | | | | | |
| trans-1,3-Dichloropropene | 13 | 13 | 13 | | | | | |
| Bromoform | 13 | 13 | 13 | | | | | |
| 4-Methyl-2-pentanone | 13 | 13 | 13 | | | | | |
| 2-Hexanone | 13 | 13 | 13 | | | | | |
| Tetrachloroethene | 13 | 13 | 13 | | | | | |
| 1,1,2,2-Tetrachloroethane | 13 | 13 | 13 | | | | | |
| Toluene | 13 | 13 | 13 | | | | | |
| Chlorobenzene | 13 | 13 | 13 | | | | | |
| Ethylbenzene | 13 | 13 | 13 | | | | | |
| Styrene | 13 | 13 | 13 | | | | | |
| Xylene (Total) | 13 | 13 | 13 | | | | | |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 |
| Extraction Date | 8/14/92 | 8/14/92 | 8/14/92 | 8/14/92 | 8/14/92 | 8/14/92 | 8/14/92 | 8/14/92 |
| Analysis Date | 8/18/92 | 8/18/92 | 8/18/92 | 8/18/92 | 8/18/92 | 8/18/92 | 8/18/92 | 8/18/92 |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Phenol | | | | | | | | |
| bis (2-Chloroethyl) ether | | | | | | | | |
| 2-Chlorophenol | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | |
| 1,4-Dichlorobenzene | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | | | | | | | | |
| 2-Methylphenol | | | | | | | | |
| 4-Methylphenol | | | | | | | | |
| N-Nitroso-di-n-propylamine | | | | | | | | |
| Hexachloroethane | | | | | | | | |
| Nitrobenzene | | | | | | | | |
| Isophorone | | | | | | | | |
| 2-Nitrophenol | | | | | | | | |
| 2,4-Dimethylphenol | | | | | | | | |
| bis (2-Chloroethoxy) methane | | | | | | | | |
| 2,4-Dichlorophenol | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | | | |
| Naphthalene | | | | | | | | |
| 4-Chloroaniline | | | | | | | | |
| Hexachlorobutadiene | | | | | | | | |
| 4-Chloro-3-methylphenol | | | | | | | | |
| 2-Methylnaphthalene | | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | | |
| 2,4,6-Trichlorophenol | | | | | | | | |
| 2,4,5-Trichlorophenol | | | | | | | | |
| 2-Chloronaphthalene | | | | | | | | |
| 2-Nitroaniline | | | | | | | | |
| Dimethylphthalate | | | | | | | | |
| Acenaphthylene | | | | | | | | |
| 2,6-Dinitrotoluene | | | | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS
CASE NO. 18582 SDG NO. ADC44
ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 3-Nitroaniline | | | | | | | | |
| Acenaphthene | | | | | | | | |
| 2,4-Dinitrophenol | | | | | | | | |
| 4-Nitrophenol | | | | | | | | |
| Dibenzofuran | | | | | | | | |
| 2,4-Dinitrotoluene | | | | | | | | |
| Diethylphthalate | | | | | | | | |
| 4-Chlorophenyl-phenylether | | | | | | | | |
| Fluorene | | | | | | | | |
| 4-Nitroaniline | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | | | | | | | | |
| N-Nitrosodiphenylamine | | | | | | | | |
| 4-Bromophenyl-phenylether | | | | | | | | |
| Hexachlorobenzene | | | | | | | | |
| Pentachlorophenol | | | | | | | | |
| Phenanthrene | | | | | | | | |
| Anthracene | | | | | | | | |
| Carbazole | | | | | | | | |
| Di-n-butylphthalate | | | | | | | | |
| Fluoranthene | | | | | | | | |
| Pyrene | | | | | | | | |
| Butylbenzylphthalate | | | | | | | | |
| 3,3'-Dichlorobenzidine | | | | | | | | |
| Benzo(a)anthracene | | | | | | | | |
| Chrysene | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | | | | | | | | |
| Di-n-octyl phthalate | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | | |
| Benzo(a)pyrene | | | | | | | | |
| Indeno (1,2,3-cd)pyrene | | | | | | | | |
| Dibenz(a,h)anthracene | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | |

A blank space indicates the compound was not detected.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23' | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | 2 x Dil. | 2 x Dil. | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Extraction Date | 8/14/92 | 8/14/92 | 8/14/92 | | | | | |
| Analysis Date | 8/18/92 | 8/18/92 | 8/18/92 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Phenol | | | | | | | | |
| ois (2-Chloroethyl) ether | | | | | | | | |
| 2-Chlorophenol | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | |
| 1,4-Dichlorobenzene | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | | | | | | | | |
| 2-Methylphenol | | | | | | | | |
| 4-Methylphenol | | | | | | | | |
| N-Nitroso-di-n-propylamine | | | | | | | | |
| Hexachloroethane | | | | | | | | |
| Nitrobenzene | | | | | | | | |
| sophorone | | | | | | | | |
| 2-Nitrophenol | | | | | | | | |
| 2,4-Dimethylphenol | | | | | | | | |
| is (2-Chloroethoxy) methane | | | | | | | | |
| 2,4-Dichlorophenol | | | | | | | | |
| ,2,4-Trichlorobenzene | | | | | | | | |
| Naphthalene | | | | | | | | |
| 4-Chloroaniline | | | | | | | | |
| Hexachlorobutadiene | | | | | | | | |
| -Chloro-3-methylphenol | | | | | | | | |
| 2-Methylnaphthalene | | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | | |
| 2,4,6-Trichlorophenol | | | | | | | | |
| 2,4,5-Trichlorophenol | | | | | | | | |
| -Chloronaphthalene | | | | | | | | |
| 2-Nitroaniline | | | | | | | | |
| Dimethylphthalate | | | | | | | | |
| cenaphthylene | | | | | | | | |
| 2,6-Dinitrotoluene | | | | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | 2 x Dil. | 2 x Dil. | | | | | | |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| 3-Nitroaniline | | | | | | | | |
| Acenaphthene | | | | | | | | |
| 2,4-Dinitrophenol | | | | | | | | |
| 4-Nitrophenol | | | | | | | | |
| Dibenzofuran | | | | | | | | |
| 2,4-Dinitrotoluene | | | | | | | | |
| Diethylphthalate | | | | | | | | |
| 4-Chlorophenyl-phenylether | | | | | | | | |
| Fluorene | | | | | | | | |
| 4-Nitroaniline | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | | | | | | | | |
| N-Nitrosodiphenylamine | | | | | | | | |
| 4-Bromophenyl-phenylether | | | | | | | | |
| Hexachlorobenzene | | | | | | | | |
| Pentachlorophenol | | | | | | | | |
| Phenanthrene | | 170 J | | | | | | |
| Anthracene | | | | | | | | |
| Carbazole | | | | | | | | |
| Di-n-butylphthalate | | | | | | | | |
| Fluoranthene | | 190 J | | | | | | |
| Pyrene | | 130 J | | | | | | |
| Butylbenzylphthalate | | | | | | | | |
| 3,3'-Dichlorobenzidine | | | | | | | | |
| Benzo(a)anthracene | | 99 J | | | | | | |
| Chrysene | | 95 J | | | | | | |
| Bis(2-Ethylhexyl)phthalate | | 5200 J | | | | | | |
| Di-n-octyl phthalate | | | | | | | | |
| Benzo(b)fluoranthene | | 160 J | | | | | | |
| Benzo(k)fluoranthene | | 160 J | | | | | | |
| Benzo(a)pyrene | | | | | | | | |
| Indeno (1,2,3-cd)pyrene | | | | | | | | |
| Dibenz(a,h)anthracene | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Percent Solids | 75 | 75 | 75 | 76 | 76 | 76 | 77 | 80 |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Phenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| bis (2-Chloroethyl) ether | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2-Chlorophenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 1,3-Dichlorobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 1,4-Dichlorobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 1,2-Dichlorobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,2'-Oxybis(1-Chloropropane | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2-Methylphenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Methylphenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| N-Nitroso-di-n-propylamine | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Hexachloroethane | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Nitrobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Isophorone | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2-Nitrophenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4-Dimethylphenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| bis (2-Chloroethoxy) methane | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4-Dichlorophenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 1,2,4-Trichlorobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Naphthalene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Chloroaniline | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Hexachlorobutadiene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Chloro-3-methylphenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2-Methylnaphthalene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Hexachlorocyclopentadiene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4,6-Trichlorophenol | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4,5-Trichlorophenol | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| 2-Chloronaphthalene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2-Nitroaniline | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| Dimethylphthalate | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Acenaphthylene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,6-Dinitrotoluene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Percent Solids | 75 | 75 | 75 | 76 | 76 | 76 | 77 | 80 |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 3-Nitroaniline | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| Acenaphthene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4-Dinitrophenol | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| 4-Nitrophenol | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| Dibenzofuran | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 2,4-Dinitrotoluene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Diethylphthalate | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Chlorophenyl-phenylether | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Fluorene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Nitroaniline | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| 4,6-Dinitro-2-methylphenol | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| N-Nitrosodiphenylamine | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 4-Bromophenyl-phenylether | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Hexachlorobenzene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Pentachlorophenol | 1100 | 1100 | 1100 | 1000 | 1000 | 1000 | 1000 | 990 |
| Phenanthrene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Anthracene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Carbazole | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Di-n-butylphthalate | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Fluoranthene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Pyrene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Butylbenzylphthalate | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| 3,3'-Dichlorobenzidine | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Benzo(a)anthracene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Chrysene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| bis(2-Ethylhexyl)phthalate | 440 UJ | 440 UJ | 440 UJ | 430 UJ | 430 UJ | 430 UJ | 420 UJ | 410 UJ |
| Di-n-octyl phthalate | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Benzo(b)fluoranthene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Benzo(k)fluoranthene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Benzo(a)pyrene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Indeno (1,2,3-cd)pyrene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Dibenz(a,h)anthracene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |
| Benzo(g,h,i)perylene | 440 | 440 | 440 | 430 | 430 | 430 | 420 | 410 |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

TABLE 4 Page 3 of 4

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 16582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | 2 x Dil. | 2 x Dil. | | | | | | |
| Percent Solids | 76 | 77 | 75 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Phenol | 860 | 860 | 440 | | | | | |
| bis (2-Chloroethyl) ether | 860 | 860 | 440 | | | | | |
| 2-Chlorophenol | 860 | 860 | 440 | | | | | |
| 1,3-Dichlorobenzene | 860 | 860 | 440 | | | | | |
| 1,4-Dichlorobenzene | 860 | 860 | 440 | | | | | |
| 1,2-Dichlorobenzene | 860 | 860 | 440 | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | 860 | 860 | 440 | | | | | |
| 2-Methylphenol | 860 | 860 | 440 | | | | | |
| 4-Methylphenol | 860 | 860 | 440 | | | | | |
| N-Nitroso-di-n-propylamine | 860 | 860 | 440 | | | | | |
| Hexachloroethane | 860 | 860 | 440 | | | | | |
| Nitrobenzene | 860 | 860 | 440 | | | | | |
| Isophorone | 860 | 860 | 440 | | | | | |
| 2-Nitrophenol | 860 | 860 | 440 | | | | | |
| 2,4-Dimethylphenol | 860 | 860 | 440 | | | | | |
| bis (2-Chloroethoxy) methane | 860 | 860 | 440 | | | | | |
| 2,4-Dichlorophenol | 860 | 860 | 440 | | | | | |
| 1,2,4-Trichlorobenzene | 860 | 860 | 440 | | | | | |
| Naphthalene | 860 | 860 | 440 | | | | | |
| 4-Chloroaniline | 860 | 860 | 440 | | | | | |
| Hexachlorobutadiene | 860 | 860 | 440 | | | | | |
| 4-Chloro-3-methylphenol | 860 | 860 | 440 | | | | | |
| 2-Methylnaphthalene | 860 | 860 | 440 | | | | | |
| Hexachlorocyclopentadiene | 860 | 860 | 440 | | | | | |
| 2,4,6-Trichlorophenol | 860 | 860 | 440 | | | | | |
| 2,4,5-Trichlorophenol | 2100 | 2100 | 1100 | | | | | |
| 2-Chloronaphthalene | 860 | 860 | 440 | | | | | |
| 2-Nitroaniline | 2100 | 2100 | 1100 | | | | | |
| Dimethylphthalate | 860 | 860 | 440 | | | | | |
| Acenaphthylene | 860 | 860 | 440 | | | | | |
| 2,6-Dinitrotoluene | 860 | 860 | 440 | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | 2 x Dil. | 2 x Dil. | | | | | | |
| Percent Solids | 76 | 77 | 75 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| 3-Nitroaniline | 2100 | 2100 | 1100 | | | | | |
| Acenaphthene | 860 | 860 | 440 | | | | | |
| 2,4-Dinitrophenol | 2100 | 2100 | 1100 | | | | | |
| 4-Nitrophenol | 2100 | 2100 | 1100 | | | | | |
| Dibenzofuran | 860 | 860 | 440 | | | | | |
| 2,4-Dinitrotoluene | 860 | 860 | 440 | | | | | |
| Diethylphthalate | 860 | 860 | 440 | | | | | |
| 4-Chlorophenyl-phenylether | 860 | 860 | 440 | | | | | |
| Fluorene | 860 | 860 | 440 | | | | | |
| 4-Nitroaniline | 2100 | 2100 | 1100 | | | | | |
| 4,6-Dinitro-2-methylphenol | 2100 | 2100 | 1100 | | | | | |
| N-Nitrosodiphenylamine | 860 | 860 | 440 | | | | | |
| 4-Bromophenyl-phenylether | 860 | 860 | 440 | | | | | |
| Hexachlorobenzene | 860 | 860 | 440 | | | | | |
| Pentachlorophenol | 2100 | 2100 | 1100 | | | | | |
| Phenanthrene | 860 | 860 | 440 | | | | | |
| Anthracene | 860 | 860 | 440 | | | | | |
| Carbazole | 860 | 860 | 440 | | | | | |
| Di-n-butylphthalate | 860 | 860 | 440 | | | | | |
| Fluoranthene | 860 | 860 | 440 | | | | | |
| Pyrene | 860 | 860 | 440 | | | | | |
| Butylbenzylphthalate | 860 | 860 | 440 | | | | | |
| 3,3'-Dichlorobenzidine | 860 | 860 | 440 | | | | | |
| Benzo(a)anthracene | 860 | 860 | 440 | | | | | |
| Chrysene | 860 | 860 | 440 | | | | | |
| bis(2-Ethylhexyl)phthalate | 1300 UJ | 860 | 440 UJ | | | | | |
| Di-n-octyl phthalate | 860 | 860 | 440 | | | | | |
| Benzo(b)fluoranthene | 860 | 860 | 440 | | | | | |
| Benzo(k)fluoranthene | 860 | 860 | 440 | | | | | |
| Benzo(a)pyrene | 860 | 860 | 440 | | | | | |
| Indeno (1,2,3-cd)pyrene | 860 | 860 | 440 | | | | | |
| Dibenz(a,h)anthracene | 860 | 860 | 440 | | | | | |
| Benzo(g,h,i)perylene | 860 | 860 | 440 | | | | | |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 | 8/11/92 |
| Extraction Date | 8/16/92 | 8/16/92 | 8/16/92 | 8/16/92 | 8/16/92 | 8/16/92 | 8/16/92 | 8/16/92 |
| Analysis Date | 8/20/92 | 8/20/92 | 8/20/92 | 8/20/92 | 8/20/92 | 8/20/92 | 8/20/92 | 8/20/92 |
| PESTICIDE/PCB COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| alpha-BHC | | | | | | | | |
| beta-BHC | | | | | | | | |
| delta-BHC | | | | | | | | |
| gamma-BHC (Lindane) | | | | | | | | |
| Heptachlor | 0.28 J | 0.22 J | | 0.33 J | 0.20 J | 0.20 J | 0.22 J | 0.23 J |
| Aldrin | | | | | | | | |
| Heptachlor epoxide | | | | | | | | |
| Endosulfan I | | | | | | | | |
| Dieldrin | | | | | | | | |
| 4,4'-DDE | 0.19 J | | | | 0.11 J | | | |
| Endrin | | | | | | | | |
| Endosulfan II | | | | | | | | |
| 4,4'-DDD | | | | | | | | |
| Endosulfan sulfate | | | | 0.59 J | 0.40 J | | | |
| 4,4'-DDT | | 0.27 J | | | | 0.60 J | | |
| Methoxychlor | | | | | | | | |
| Endrin ketone | | | | | | | | |
| Endrin aldehyde | | | | 0.68 J | | | | |
| alpha-Chlordane | | | | | 0.84 J | | 0.24 J | |
| gamma-Chlordane | | | | | | | | |
| Toxaphene | | | | | | | | |
| Aroclor-1016 | | | | | | | | |
| Aroclor-1221 | | | | | | | | |
| Aroclor-1232 | | | | | | | | |
| Aroclor-1242 | | | | | | | | |
| Aroclor-1248 | | | | | | | | |
| Aroclor-1254 | | | 23 J | 230 | 58 J | | 31 J | 100 J |
| Aroclor-1260 | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | | | | | | | | |
| Sampling Date | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Extraction Date | 8/16/92 | 8/16/92 | 8/16/92 | | | | | |
| Analysis Date | 8/20/92 | 8/20/92 | 8/20/92 | | | | | |
| PESTICIDE/PCB COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| alpha-BHC | | | | | | | | |
| beta-BHC | | | | | | | | |
| delta-BHC | 0.99 J | | | | | | | |
| gamma-BHC (Lindane) | | | | | | | | |
| Heptachlor | | 0.37 J | | | | | | |
| Aldrin | | | | | | | | |
| Heptachlor epoxide | 0.40 J | | | | | | | |
| Endosulfan I | 7.7 J | 0.18 J | | | | | | |
| Dieldrin | | | | | | | | |
| 4,4'-DDE | 0.78 J | 0.27 J | 0.20 J | | | | | |
| Endrin | | | | | | | | |
| Endosulfan II | | | | | | | | |
| 4,4'-DDD | | | 0.60 J | | | | | |
| Endosulfan sulfate | | 0.66 J | | | | | | |
| 4,4'-DDT | | 0.42 J | | | | | | |
| Methoxychlor | | | | | | | | |
| Endrin ketone | 1.1 J | 0.58 J | | | | | | |
| Endrin aldehyde | | | | | | | | |
| alpha-Chlordane | | | | | | | | |
| gamma-Chlordane | | | | | | | | |
| Toxaphene | | | | | | | | |
| Aroclor-1016 | | | | | | | | |
| Aroclor-1221 | | | | | | | | |
| Aroclor-1232 | | | | | | | | |
| Aroclor-1242 | | | | | | | | |
| Aroclor-1248 | | | | | | | | |
| Aroclor-1254 | | | | | | | | |
| Aroclor-1260 | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SS-75-01 | SS-75-02 | SS-75-03 | SS-75-04 | SS-75-05 | SS-75-06 | SS-75-07 | SS-75-08 |
| Traffic Report Number | ADC44 | ADC45 | ADC46 | ADC47 | ADC48 | ADC49 | ADC50 | ADC51 |
| Remarks | | Dup. of SS-75-01 | | | | | | |
| Percent Solids | 75 | 75 | 75 | 76 | 76 | 76 | 77 | 80 |
| PESTICIDE/PCB COMPOUND | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| alpha-BHC | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| beta-BHC | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| delta-BHC | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| gamma-BHC (Lindane) | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Heptachlor | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Aldrin | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Heptachlor epoxide | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Endosulfan I | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Dieldrin | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| 4,4'-DDE | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| Endrin | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| Endosulfan II | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| 4,4'-DDD | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| Endosulfan sulfate | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| 4,4'-DDT | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| Methoxychlor | 23 | 23 | 23 | 22 | 22 | 22 | 22 | 21 |
| Endrin ketone | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| Endrin aldehyde | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 |
| alpha-Chlordane | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| gamma-Chlordane | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| Toxaphene | 230 | 230 | 230 | 220 | 220 | 220 | 220 | 210 |
| Aroclor-1016 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |
| Aroclor-1221 | 89 | 89 | 89 | 88 | 88 | 88 | 88 | 83 |
| Aroclor-1232 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |
| Aroclor-1242 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |
| Aroclor-1248 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |
| Aroclor-1254 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |
| Aroclor-1260 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 41 |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC44

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. | Whitney Blake Co. | Whitney Blake Co. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | SD-52-09 | SD-52-10 | SS-75-23 | | | | | |
| Traffic Report Number | ADC52 | ADC53 | ADC62 | | | | | |
| Remarks | | | | | | | | |
| Percent Solids | 76 | 77 | 75 | | | | | |
| PESTICIDE/PCB COMPOUND | ug/Kg | ug/Kg | ug/Kg | | | | | |
| alpha-BHC | 2.2 | 2.2 | 2.2 | | | | | |
| beta-BHC | 2.2 | 2.2 | 2.2 | | | | | |
| delta-BHC | 2.2 | 2.2 | 2.2 | | | | | |
| gamma-BHC (Lindane) | 2.2 | 2.2 | 2.2 | | | | | |
| Heptachlor | 2.2 | 2.2 | 2.2 | | | | | |
| Aldrin | 2.2 | 2.2 | 2.2 | | | | | |
| Heptachlor epoxide | 2.2 | 2.2 | 2.2 | | | | | |
| Endosulfan I | 2.2 | 2.2 | 2.2 | | | | | |
| Dieldrin | 4.3 | 4.3 | 4.3 | | | | | |
| 4,4'-DDE | 4.3 | 4.3 | 4.3 | | | | | |
| Endrin | 4.3 | 4.3 | 4.3 | | | | | |
| Endosulfan II | 4.3 | 4.3 | 4.3 | | | | | |
| 4,4'-DDD | 4.3 | 4.3 | 4.3 | | | | | |
| Endosulfan sulfate | 4.3 | 4.3 | 4.3 | | | | | |
| 4,4'-DDT | 4.3 | 4.3 | 4.3 | | | | | |
| Methoxychlor | 22 | 22 | 22 | | | | | |
| Endrin ketone | 4.3 | 4.3 | 4.3 | | | | | |
| Endrin aldehyde | 4.3 | 4.3 | 4.3 | | | | | |
| alpha-Chlordane | 2.3 | 2.2 | 2.2 | | | | | |
| gamma-Chlordane | 2.3 | 2.2 | 2.2 | | | | | |
| Toxaphene | 220 | 220 | 220 | | | | | |
| Aroclor-1016 | 43 | 43 | 43 | | | | | |
| Aroclor-1221 | 87 | 87 | 88 | | | | | |
| Aroclor-1232 | 43 | 43 | 43 | | | | | |
| Aroclor-1242 | 43 | 43 | 43 | | | | | |
| Aroclor-1248 | 43 | 43 | 43 | | | | | |
| Aroclor-1254 | 43 | 43. | 43 | | | | | |
| Aroclor-1260 | 43 | 43 | 43 | | | | | |

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-13 | RB-75-21 | TB-75-22 | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | ADC61 | | | | |
| Remarks | Groundwater: process well | Duplicate of TP-75-13 | Rinsate Blank: soils | Trip Blank | | | | |
| Sampling Date | 08/11/92 | 08/11/92 | 08/11/92 | 08/11/92 | | | | |
| Analysis Date | 08/19/92 | 08/19/92 | 08/19/92 | 08/19/92 | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | ug/L | | | | |
| Chloromethane | | | | | | | | |
| Bromomethane | | | | | | | | |
| Vinyl Chloride | | | | | | | | |
| Chloroethane | | | | | | | | |
| Methylene Chloride | | | 2 J | 2 J | | | | |
| Acetone | | | 40 | | | | | |
| Carbon Disulfide | | | | | | | | |
| 1,1-Dichloroethene | 3 J | 2 J | | | | | | |
| 1,1-Dichloroethane | 3 J | 3 J | | | | | | |
| 1,2-Dichloroethene (Total) | | | | | | | | |
| Chloroform | | | 18 | 21 | | | | |
| 1,2-Dichloroethane | | | | | | | | |
| 2-Butanone | | | | | | | | |
| 1,1,1-Trichloroethane | 6 J | 7 J | | | | | | |
| Carbon Tetrachloride | | | | | | | | |
| Bromodichloromethane | | | | | | | | |
| 1,2-Dichloropropane | | | | | | | | |
| cis-1,3-Dichloropropene | | | | | | | | |
| Trichloroethene | 1 J | | | | | | | |
| Dibromochloromethane | | | | | | | | |
| 1,1,2-Trichloroethane | | | | | | | | |
| Benzene | | | | | | | | |
| trans-1,3-Dichloropropene | | | | | | | | |
| Bromoform | | | | | | | | |
| 4-Methyl-2-pentanone | | | | | | | | |
| 2-Hexanone | | | | | | | | |
| Tetrachloroethene | 1 J | | | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | |
| Toluene | | | | | | | | |
| Chlorobenzene | | | | | | | | |
| Ethylbenzene | 2 J | | | | | | | |
| Styrene | 1 J | | | | | | | |
| Xylene (Total) | 2 J | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blaxe Co. of Vermont | Whitney Blake Co. of Vermont | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | TB-75-22 | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | ADC61 | | | | |
| Remarks | Groundwater sample: process water | Duplicate of TP-75-13 | Rinsate Blank; soil samples | Trip Blank | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | ug/L | | | | |
| Chloromethane | 10 | 10 | 10 | 10 | | | | |
| Bromomethane | 10 | 10 | 10 | 10 | | | | |
| Vinyl Chloride | 10 | 10 | 10 | 10 | | | | |
| Chloroethane | 10 | 10 | 10 | 10 | | | | |
| Methylene Chloride | 16 | 10 | 10 | 10 | | | | |
| Acetone | 10 | 10 | 10 | 10 | | | | |
| Carbon Disulfide | 10 | 10 | 10 | 10 | | | | |
| 1,1-Dichloroethene | 10 | 10 | 10 | 10 | | | | |
| 1,1-Dichloroethane | 10 | 10 | 10 | 10 | | | | |
| 1,2-Dichloroethene (Total) | 10 | 10 | 10 | 10 | | | | |
| Chloroform | 10 | 10 | 10 | 10 | | | | |
| 1,2-Dichloroethane | 10 | 10 | 10 | 10 | | | | |
| 2-Butanone | 10 | 10 | 10 | 10 | | | | |
| 1,1,1-Trichloroethane | 10 | 10 | 10 | 10 | | | | |
| Carbon Tetrachloride | 10 | 10 | 10 | 10 | | | | |
| Bromodichloromethane | 10 | 10 | 10 | 10 | | | | |
| 1,2-Dichloropropane | 10 | 10 | 10 | 10 | | | | |
| cis-1,3-Dichloropropene | 10 | 10 | 10 | 10 | | | | |
| Trichloroethene | 10 | 10 | 10 | 10 | | | | |
| Dibromochloromethane | 10 | 10 | 10 | 10 | | | | |
| 1,1,2-Trichloroethane | 10 | 10 | 10 | 10 | | | | |
| Benzene | 10 | 10 | 10 | 10 | | | | |
| trans-1,3-Dichloropropene | 10 | 10 | 10 | 10 | | | | |
| Bromoform | 10 | 10 | 10 | 10 | | | | |
| 4-Methyl-2-pentanone | 10 | 10 | 10 | 10 | | | | |
| 2-Hexanone | 10 | 10 | 10 | 10 | | | | |
| Tetrachloroethene | 10 | 10 | 10 | 10 | | | | |
| 1,1,2,2-Tetrachloroethane | 10 | 10 | 10 | 10 | | | | |
| Toluene | 10 | 10 | 10 | 10 | | | | |
| Chlorobenzene | 10 | 10 | 10 | 10 | | | | |
| Ethylbenzene | 10 | 10 | 10 | 10 | | | | |
| Styrene | 10 | 10 | 10 | 10 | | | | |
| Xylene (Total) | 10 | 10 | 10 | 10 | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water | Duplicate of TP-75-13 | Rinsate Blank: soils | | | | | |
| Sampling Date | 08/11/92 | 08/11/92 | 08/11/92 | | | | | |
| Extraction Date | 08/16/92 | 08/16/92 | 08/16/92 | | | | | |
| Analysis Date | 08/18/92 | 08/18/92 | 08/18/92 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | ug/L | | | | | |
| Phenol | | | 3 J | | | | | |
| bis (2-Chloroethyl) ether | | | | | | | | |
| 2-Chlorophenol | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | |
| 1,4-Dichlorobenzene | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | | | | | | | | |
| 2-Methylphenol | | | | | | | | |
| 4-Methylphenol | | | | | | | | |
| N-Nitroso-di-n-propylamine | | | | | | | | |
| Hexachloroethane | | | | | | | | |
| Nitrobenzene | | | | | | | | |
| Isophorone | | | | | | | | |
| 2-Nitrophenol | | | | | | | | |
| 2,4-Dimethylphenol | | | | | | | | |
| bis (2-Chloroethoxy) methane | | | | | | | | |
| 2,4-Dichlorophenol | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | | | |
| Naphthalene | | | | | | | | |
| 4-Chloroaniline | | | | | | | | |
| Hexachlorobutadiene | | | | | | | | |
| 4-Chloro-3-methylphenol | | | | | | | | |
| 2-Methylnaphthalene | | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | | |
| 2,4,6-Trichlorophenol | | | | | | | | |
| 2,4,5-Trichlorophenol | | | | | | | | |
| 2-Chloronaphthalene | | | | | | | | |
| 2-Nitroaniline | | | | | | | | |
| Dimethylphthalate | | | 1 J | | | | | |
| Acenaphthylene | | | | | | | | |
| 2,6-Dinitrotoluene | | | | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water | Duplicate of TP-75-13 | Rinsate Blank: soils | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | ug/L | | | | | |
| 3-Nitroaniline | | | | | | | | |
| Acenaphthene | | | | | | | | |
| 2,4-Dinitrophenol | | | | | | | | |
| 4-Nitrophenol | | | | | | | | |
| Dibenzofuran | | | | | | | | |
| 2,4-Dinitrotoluene | | | | | | | | |
| Diethylphthalate | | | 1 J | | | | | |
| 4-Chlorophenyl-phenylether | | | | | | | | |
| Fluorene | | | | | | | | |
| 4-Nitroaniline | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | | | | | | | | |
| N-Nitrosodiphenylamine | | | | | | | | |
| 4-Bromophenyl-phenylether | | | | | | | | |
| Hexachlorobenzene | | | | | | | | |
| Pentachlorophenol | | | | | | | | |
| Phenanthrene | | | | | | | | |
| Anthracene | | | | | | | | |
| Carbazole | | | | | | | | |
| Di-n-butylphthalate | | | | | | | | |
| Fluoranthene | | | | | | | | |
| Pyrene | | | | | | | | |
| Butylbenzylphthalate | | | | | | | | |
| 3,3'-Dichlorobenzidine | | | | | | | | |
| Benzo(a)anthracene | | | | | | | | |
| Chrysene | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | | | 3 J | | | | | |
| Di-n-octyl phthalate | | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | | |
| Benzo(a)pyrene | | | | | | | | |
| Indeno (1,2,3-cd)pyrene | | | | | | | | |
| Dibenz(a,h)anthracene | | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water well sample | Duplicate of TP-75-13 | Rinsate Blank: soil samples | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | ug/L | | | | | |
| Phenol | 10 | 10 | 10 | | | | | |
| bis (2-Chloroethyl) ether | 10 | 10 | 10 | | | | | |
| 2-Chlorophenol | 10 | 10 | 10 | | | | | |
| 1,3-Dichlorobenzene | 10 | 10 | 10 | | | | | |
| 1,4-Dichlorobenzene | 10 | 10 | 10 | | | | | |
| 1,2-Dichlorobenzene | 10 | 10 | 10 | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | 10 | 10 | 10 | | | | | |
| 2-Methylphenol | 10 | 10 | 10 | | | | | |
| 4-Methylphenol | 10 | 10 | 10 | | | | | |
| N-Nitroso-di-n-propylamine | 10 | 10 | 10 | | | | | |
| Hexachloroethane | 10 | 10 | 10 | | | | | |
| Nitrobenzene | 10 | 10 | 10 | | | | | |
| Isophorone | 10 | 10 | 10 | | | | | |
| 2-Nitrophenol | 10 | 10 | 10 | | | | | |
| 2,4-Dimethylphenol | 10 | 10 | 10 | | | | | |
| bis (2-Chloroethoxy) methane | 10 | 10 | 10 | | | | | |
| 2,4-Dichlorophenol | 10 | 10 | 10 | | | | | |
| 1,2,4-Trichlorobenzene | 10 | 10 | 10 | | | | | |
| Naphthalene | 10 | 10 | 10 | | | | | |
| 4-Chloroaniline | 10 | 10 | 10 | | | | | |
| Hexachlorobutadiene | 10 | 10 | 10 | | | | | |
| 4-Chloro-3-methylphenol | 10 | 10 | 10 | | | | | |
| 2-Methylnaphthalene | 10 | 10 | 10 | | | | | |
| Hexachlorocyclopentadiene | 10 | 10 | 10 | | | | | |
| 2,4,6-Trichlorophenol | 10 | 10 | 10 | | | | | |
| 2,4,5-Trichlorophenol | 25 | 25 | 25 | | | | | |
| 2-Chloronaphthalene | 10 | 10 | 10 | | | | | |
| 2-Nitroaniline | 25 | 25 | 25 | | | | | |
| Dimethylphthalate | 10 | 10 | 10 | | | | | |
| Acenaphthylene | 10 | 10 | 10 | | | | | |
| 2,6-Dinitrotoluene | 10 | 10 | 10 | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water well sample | Duplicate of TP-75-14 | Rinsate Blank: soil samples | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | ug/L | | | | | |
| 3-Nitroaniline | 25 | 25 | 25 | | | | | |
| Acenaphthene | 10 | 10 | 10 | | | | | |
| 2,4-Dinitrophenol | 25 | 25 | 25 | | | | | |
| 4-Nitrophenol | 25 | 25 | 25 | | | | | |
| Dibenzofuran | 10 | 10 | 10 | | | | | |
| 2,4-Dinitrotoluene | 10 | 10 | 10 | | | | | |
| Diethylphthalate | 10 | 10 | 10 | | | | | |
| 4-Chlorophenyl-phenylether | 10 | 10 | 10 | | | | | |
| Fluorene | 10 | 10 | 10 | | | | | |
| 4-Nitroaniline | 25 | 25 | 25 | | | | | |
| 4,6-Dinitro-2-methylphenol | 25 | 25 | 25 | | | | | |
| N-Nitrosodiphenylamine | 10 | 10 | 10 | | | | | |
| 4-Bromophenyl-phenylether | 10 | 10 | 10 | | | | | |
| Hexachlorobenzene | 10 | 10 | 10 | | | | | |
| Pentachlorophenol | 25 | 25 | 25 | | | | | |
| Phenanthrene | 10 | 10 | 10 | | | | | |
| Anthracene | 10 | 10 | 10 | | | | | |
| Carbazole | 10 | 10 | 10 | | | | | |
| Di-n-butylphthalate | 10 | 10 | 10 | | | | | |
| Fluoranthene | 10 | 10 | 10 | | | | | |
| Pyrene | 10 | 10 | 10 | | | | | |
| Butylbenzylphthalate | 10 UJ | 10 UJ | 10 UJ | | | | | |
| 3,3'-Dichlorobenzidine | 10 | 10 | 10 | | | | | |
| Benzo(a)anthracene | 10 | 10 | 10 | | | | | |
| Chrysene | 10 | 10 | 10 | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 UJ | 10 UJ | 10 | | | | | |
| Di-n-octyl phthalate | 10 UJ | 10 UJ | 10 UJ | | | | | |
| Benzo(b)fluoranthene | 10 | 10 | 10 | | | | | |
| Benzo(k)fluoranthene | 10 | 10 | 10 | | | | | |
| Benzo(a)pyrene | 10 | 10 | 10 | | | | | |
| Indeno (1,2,3-cd)pyrene | 10 | 10 | 10 | | | | | |
| Dibenz(a,h)anthracene | 10 | 10 | 10 | | | | | |
| Benzo(g,h,i)perylene | 10 | 10 | 10 | | | | | |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water | Duplicate of TP-75-13 | Rinsate Blank:soils | | | | | |
| Sampling Date | 08/11/92 | 08/11/92 | 08/11/92 | | | | | |
| Extraction Date | 08/14/92 | 08/14/92 | 08/14/92 | | | | | |
| Analysis Date | 08/18/92 | 08/18/92 | 08/18/92 | | | | | |
| PESTICIDE/PCB COMPOUND | ug/L | ug/L | ug/L | | | | | |
| alpha-BHC | | | | | | | | |
| beta-BHC | | | | | | | | |
| delta-BHC | | | | | | | | |
| gamma-BHC (Lindane) | | | | | | | | |
| Heptachlor | | 0.0018 J | | | | | | |
| Aldrin | | | | | | | | |
| Heptachlor epoxide | | | | | | | | |
| Endosulfan I | | | | | | | | |
| Dieldrin | | | | | | | | |
| 4,4'-DDE | | | | | | | | |
| Endrin | | | | | | | | |
| Endosulfan II | | | | | | | | |
| 4,4'-DDD | | | | | | | | |
| Endosulfan sulfate | | | | | | | | |
| 4,4'-DDT | | | | | | | | |
| Methoxychlor | | | | | | | | |
| Endrin ketone | | | | | | | | |
| Endrin aldehyde | | | | | | | | |
| alpha-Chlordane | | | | | | | | |
| gamma-Chlordane | | | | | | | | |
| Toxaphene | | | | | | | | |
| Aroclor-1016 | | | | | | | | |
| Aroclor-1221 | | | | | | | | |
| Aroclor-1232 | | | | | | | | |
| Aroclor-1242 | | | | | | | | |
| Aroclor-1248 | | | | | | | | |
| Aroclor-1254 | | | | | | | | |
| Aroclor-1260 | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18582 SDG NO. ADC56

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | Whitney Blake Co. of Vermont | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | ADC56 | ADC57 | ADC60 | | | | | |
| Remarks | Groundwater: process water well sample | Duplicate of TP-75-13 | Rinsate Blank: soil samples | | | | | |
| PESTICIDE/PCB COMPOUND | ug/L | ug/L | ug/L | | | | | |
| alpha-BHC | 0.050 | 0.050 | 0.050 | | | | | |
| beta-BHC | 0.050 | 0.050 | 0.050 | | | | | |
| delta-BHC | 0.050 | 0.050 | 0.050 | | | | | |
| gamma-BHC (Lindane) | 0.050 | 0.050 | 0.050 | | | | | |
| Heptachlor | 0.050 | 0.050 | 0.050 | | | | | |
| Aldrin | 0.050 | 0.050 | 0.050 | | | | | |
| Heptachlor epoxide | 0.050 | 0.050 | 0.050 | | | | | |
| Endosulfan I | 0.050 | 0.050 | 0.050 | | | | | |
| Dieldrin | 0.10 | 0.10 | 0.10 | | | | | |
| 4,4'-DDE | 0.10 | 0.10 | 0.10 | | | | | |
| Endrin | 0.10 | 0.10 | 0.10 | | | | | |
| Endosulfan II | 0.10 | 0.10 | 0.10 | | | | | |
| 4,4'-DDD | 0.10 | 0.10 | 0.10 | | | | | |
| Endosulfan sulfate | 0.10 | 0.10 | 0.10 | | | | | |
| 4,4'-DDT | 0.10 | 0.10 | 0.10 | | | | | |
| Methoxychlor | 0.50 | 0.50 | 0.50 | | | | | |
| Endrin ketone | 0.10 | 0.10 | 0.10 | | | | | |
| Endrin aldehyde | 0.10 | 0.10 | 0.10 | | | | | |
| alpha-Chlordane | 0.050 | 0.050 | 0.050 | | | | | |
| gamma-Chlordane | 0.050 | 0.050 | 0.050 | | | | | |
| Toxaphene | 5.0 | 5.0 | 5.0 | | | | | |
| Aroclor-1016 | 1.0 | 1.0 | 1.0 | | | | | |
| Aroclor-1221 | 2.0 | 2.0 | 2.0 | | | | | |
| Aroclor-1232 | 1.0 | 1.0 | 1.0 | | | | | |
| Aroclor-1242 | 1.0 | 1.0 | 1.0 | | | | | |
| Aroclor-1248 | 1.0 | 1.0 | 1.0 | | | | | |
| Aroclor-1254 | 1.0 | 1.0 | 1.0 | | | | | |
| Aroclor-1260 | 1.0 | 1.0 | 1.0 | | | | | |

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR78
ANALYTICAL RESULTS

| Sample Location | | | Whitney Blake Co. of VT | Whitney Blake Co. of VT | Whitney Blake Co. of VT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | | | MAAR78 | MAAR79 | MAAR82 | | | | | |
| Remarks | | | Tap sample: process water well | Duplicate of TP-75-13 | Rinsate Blank: soil samples | | | | | |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Inorganic Elements | | CRDL (ug/L) | ug/L | ug/L | ug/L | | | | | |
| Aluminum | P | 200 | | | | | | | | |
| Antimony | P | 60 | | | | | | | | |
| Arsenic | F | 10 | | | | | | | | |
| Barium | P | 200 | | | | | | | | |
| Beryllium | P | 5 | | | | | | | | |
| Cadmium | P | 5 | | | | | | | | |
| Calcium | P | 5000 | 36200 | 37100 | 27.0 | | | | | |
| Chromium | P | 10 | | | | | | | | |
| Cobalt | P | 50 | | | | | | | | |
| Copper | P | 25 | | | | | | | | |
| Iron | P | 100 | | | | | | | | |
| Lead | F | 3 | | | 3.6 | | | | | |
| Magnesium | P | 5000 | 10000 | 10300 | | | | | | |
| Manganese | P | 15 | 4.8 | | | | | | | |
| Mercury | V | 0.2 | | | | | | | | |
| Nickel | P | 40 | | | | | | | | |
| Potassium | P | 5000 | 1650 | 1620 | | | | | | |
| Selenium | F | 5 | | | | | | | | |
| Silver | P | 10 | | | | | | | | |
| Sodium | P | 5000 | 6320 | 6440 | 51.2 | | | | | |
| Thallium | F | 10 | | | | | | | | |
| Vanadium | P | 50 | | | | | | | | |
| Zinc | P | 20 | 37.4 J | | | | | | | |
| Cyanide | C | 10 | | | | | | | | |

Analytical Method
F Furnace
P ICP/Flame AA
V Cold Vapor
C Colorimetric

A blank space indicates the element was not detected.
J Quantitation is approximate due to limitations identified in the quality control review.

CLP INORGANIC ANALYSIS
CASE NO. 18582 SDG NO. MAAR78
SAMPLE DETECTION LIMITS

| Sample Location | | | Whitney Blake Co. of VT | Whitney Blake Co. of VT | Whitney Blake Co. of VT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | TP-75-13 | TP-75-14 | RB-75-21 | | | | | |
| Traffic Report Number | | | MAAR78 | MAAR79 | MAAR82 | | | | | |
| Remarks | | | Tap sample: process water well | Duplicate of TP-75-13 | Rinsate Blank: soil samples | | | | | |
| Sampling Date | | | 8/11/92 | 8/11/92 | 8/11/92 | | | | | |
| Percent Solids | | | 0 | 0 | 0 | | | | | |
| Inorganic Elements | | IDL (ug/L) | ug/L | ug/L | ug/L | | | | | |
| Aluminum | P | 23.9 | 200.00 UJ | 200.00 UJ | 23.90 | | | | | |
| Antimony | P | 16.3 | 16.30 | 16.30 | 16.30 | | | | | |
| Arsenic | F | 2.4 | 2.40 | 2.40 | 2.40 | | | | | |
| Barium | P | 4.6 | 4.60 | 4.60 | 4.60 | | | | | |
| Beryllium | P | 0.7 | 5.00 UJ | 5.00 UJ | 0.70 | | | | | |
| Cadmium | P | 1.5 | 1.50 | 1.50 | 1.50 | | | | | |
| Calcium | P | 15.5 | 15.50 | 15.50 | 15.50 | | | | | |
| Chromium | P | 4.9 | 10.00 UJ | 10.00 UJ | 4.90 UJ | | | | | |
| Cobalt | P | 3.5 | 3.50 | 3.50 | 3.50 | | | | | |
| Copper | P | 3.8 | 8.50 | 9.40 | 3.80 | | | | | |
| Iron | P | 7.6 | 14.20 UJ | 100.00 UJ | 7.60 | | | | | |
| Lead | F | 2.2 | 3.80 UJ | 3.50 UJ | 2.20 | | | | | |
| Magnesium | P | 40.1 | 40.10 | 40.10 | 40.10 | | | | | |
| Manganese | P | 4.4 | 4.40 | 4.40 | 4.40 | | | | | |
| Mercury | V | 0.2 | 0.20 | 0.20 | 0.20 | | | | | |
| Nickel | P | 3.9 | 40.00 UJ | 40.00 UJ | 3.90 | | | | | |
| Potassium | P | 365.5 | 365.50 | 365.50 | 365.50 | | | | | |
| Selenium | F | 3.1 | 3.10 UJ | 3.10 UJ | 3.10 UJ | | | | | |
| Silver | P | 4.8 | 4.80 UJ | 4.80 UJ | 4.80 | | | | | |
| Sodium | P | 31.3 | 31.30 | 31.30 | 31.30 | | | | | |
| Thallium | F | 1.6 | 1.60 | 1.60 | 1.60 | | | | | |
| Vanadium | P | 2.4 | 2.40 | 2.40 | 2.40 | | | | | |
| Zinc | P | 2.9 | 2.90 | 25.50 | 2.90 | | | | | |
| Cyanide | C | 10.0 | 10.00 | 10.00 | 10.00 | | | | | |

Analytical Method

F Furnace AA P ICP/Flame AA V Cold Vapor C Colorimetric

| Sample's wet weight (gms) digested | | | | | | | |
|---|---|---|---|---|---|---|---|
| for Hg analysis | | | | | | | |
| for ICP analysis | | | | | | | |
| for furnace AA analysis | | | | | | | |
| for Cyanide analysis | | | | | | | |

| Volumes used preparing samples for analysis | |
|---|---|
| for Hg analysis | 100 mls |
| for ICP/AA analysis | 200 mls |
| for Cyanide analysis | 50 mls |

UJ Value is undetected and the quantitation is approximate due to limitations identified in the quality control review.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18489, SAS-7009A SDG NO. SAO383

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Company | Whitney Blake Company | Whitney Blake Company | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TB-75-20 | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO383 | SAO385 | SAO386 | | | | | |
| Remarks | Trip Blank | Groundwater: Steamtown | Dup. of GW-75-17 | | | | | |
| Sampling Date | 7/14/92 | 7/14/92 | 7/14/92 | | | | | |
| Analysis Date | 7/15/92 | 7/15/92 | 7/15/92 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | | | | | |
| Dichlorodifluoromethane | | | | | | | | |
| Chloromethane | 0.1 J | | | | | | | |
| Bromomethane | | | | | | | | |
| Vinyl Chloride | | | | | | | | |
| Chloroethane | | | | | | | | |
| Methylene Chloride | 0.2 J | 5 | 6 | | | | | |
| Acetone | | | | | | | | |
| Carbon Disulfide | | | | | | | | |
| 1,1-Dichloroethene | | 9 | 10 | | | | | |
| 2,2-Dichloropropane | | | | | | | | |
| 1,1-Dichloroethane | | 6 | 5 | | | | | |
| trans-1,2-Dichloroethene | | | | | | | | |
| cis-1,2-Dichloroethene | | 0.8 J | 0.8 J | | | | | |
| Bromochloromethane | | | | | | | | |
| Chloroform | 15 | | | | | | | |
| 1,2-Dichloroethane | | | | | | | | |
| 2-Butanone | | | | | | | | |
| 1,1,1-Trichloroethane | | * 8( | * 8( | | | | | |
| Carbon Tetrachloride | | | | | | | | |
| 1,1-Dichloropropene | | | | | | | | |
| Bromodichloromethane | | 1 | 1 | | | | | |
| 1,2-Dichloropropane | | | | | | | | |
| cis-1,3-Dichloropropene | | | | | | | | |
| Trichloroethene | | 3 J | 3 | | | | | |
| Dibromochloromethane | | | | | | | | |
| 1,2-Dibromoethane | | | | | | | | |
| 1,1,2-Trichloroethane | | | | | | | | |
| Benzene | | | | | | | | |
| Dibromomethane | | | | | | | | |
| trans-1,3-Dichloropropene | | | | | | | | |
| 1,3-Dichloropropane | | | | | | | | |
| Bromoform | | | | | | | | |
| 4-Methyl-2-pentanone | | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

* Result reported from the diluted analysis.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18489, SAS-7009A SDG NO. SAO383

ANALYTICAL RESULTS

| Sample Location | Whitney Blake Company | Whitney Blake Company | Whitney Blake Company | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TB-75-20 | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO383 | SAO385 | SAO386 | | | | | |
| Remarks | Trip Blank | Groundwater: Steamtown | Dup. of GW-75-17 | | | | | |
| Sampling Date | 7/14/92 | 7/14/92 | 7/14/92 | | | | | |
| Analysis Date | 7/15/92 | 7/15/92 | 7/15/92 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | | | | | |
| 2-Hexanone | | | | | | | | |
| Tetrachloroethene | | 7 | 7 | | | | | |
| 1,1,2,2-Tetrachloroethane | | | | | | | | |
| Toluene | 0.3 J | | | | | | | |
| Chlorobenzene | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | | | | | | | | |
| Ethylbenzene | | | | | | | | |
| Styrene | | | | | | | | |
| Xylene (Total) | | | | | | | | |
| Isopropylbenzene | | | | | | | | |
| Bromobenzene | | | | | | | | |
| 1,2,3-Trichloropropane | | | | | | | | |
| n-Propylbenzene | | | | | | | | |
| 2-Chlorotoluene | | | | | | | | |
| 4-Chlorotoluene | | | | | | | | |
| 1,3,5-Trimethylbenzene | | | | | | | | |
| tert-Butylbenzene | | | | | | | | |
| 1,2,4-Trimethylbenzene | | | | | | | | |
| sec-Butylbenzene | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | |
| p-Isopropyltoluene | | | | | | | | |
| n-Butylbenzene | | | | | | | | |
| 1,2-Dibromo-3-Chloropropane | | | | | | | | |
| 1,4-Dichlorobenzene | | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | | | |
| Naphthalene | | | | | | | | |
| 1,2,3-Trichlorobenzene | | | | | | | | |
| Hexachlorobutadiene | | | | | | | | |
| Trichlorofluoromethane | 0.1 J | | | | | | | |

A blank space indicates the compound was not detected.

J Quantitation is approximate due to limitations identified during the quality control review.

* Result reported from the diluted analysis.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18489, SAS-7009A SDG NO. SAO383

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Company | Whitney Blake Company | Whitney Blake Company | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TB-75-20 | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO383 | SAO385 | SAO386 | | | | | |
| Remarks | Trip Blank | Groundwater: Steamtown | Dup. of GW-75-17 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | | | | | |
| Dichlorodifluoromethane | 1 | 1 | 1 | | | | | |
| Chloromethane | 1 | 1 | 1 | | | | | |
| Bromomethane | 1 | 1 | 1 | | | | | |
| Vinyl Chloride | 1 | 1 | 1 | | | | | |
| Chloroethane | 1 | 1 | 1 | | | | | |
| Methylene Chloride | 1 | 1 | 1 | | | | | |
| Acetone | 5 R | 5 R | 5 R | | | | | |
| Carbon Disulfide | 1 | 1 | 1 | | | | | |
| 1,1-Dichloroethene | 1 | 1 | 1 | | | | | |
| 2,2-Dichloropropane | 1 | 1 | 1 | | | | | |
| 1,1-Dichloroethane | 1 | 1 | 1 | | | | | |
| trans-1,2-Dichloroethene | 1 | 1 | 1 | | | | | |
| cis-1,2-Dichloroethene | 1 | 1 | 1 | | | | | |
| Bromochloromethane | 1 | 1 | 1 | | | | | |
| Chloroform | 1 | 1 | 1 | | | | | |
| 1,2-Dichloroethane | 1 | 1 | 1 | | | | | |
| 2-Butanone | 5 R | 5 R | 5 R | | | | | |
| 1,1,1-Trichloroethane | 1 | *25 | *25 | | | | | |
| Carbon Tetrachloride | 1 | 1 | 1 | | | | | |
| 1,1-Dichloropropene | 1 | 1 | 1 | | | | | |
| Bromodichloromethane | 1 | 1 | 1 | | | | | |
| 1,2-Dichloropropane | 1 | 1 | 1 | | | | | |
| cis-1,3-Dichloropropene | 1 | 1 | 1 | | | | | |
| Trichloroethene | 1 | 1 | 1 | | | | | |
| Dibromochloromethane | 1 | 1 | 1 | | | | | |
| 1,2-Dibromoethane | 1 | 1 | 1 | | | | | |
| 1,1,2-Trichloroethane | 1 | 1 | 1 | | | | | |
| Benzene | 1 | 1 | 1 | | | | | |
| Dibromomethane | 1 | 1 | 1 | | | | | |
| trans-1,3-Dichloropropene | 1 | 1 | 1 | | | | | |
| 1,3-Dichloropropane | 1 | 1 | 1 | | | | | |
| Bromoform | 1 | 1 | 1 | | | | | |
| 4-Methyl-2-pentanone | 5 | 5 | 5 | | | | | |

* Quantitation limit reported from the diluted analysis

R Value is rejected.

CLP VOLATILE ORGANIC ANALYSIS

CASE NO. 18489, SAS-7009A SDG NO. SAO383

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Company | Whitney Blake Company | Whitney Blake Company | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Number | TB-75-20 | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO383 | SAO385 | SAO386 | | | | | |
| Remarks | Trip Blank | Groundwater: Steamtown | Dup. of GW-75-17 | | | | | |
| VOLATILE ORGANIC COMPOUND | ug/L | ug/L | ug/L | | | | | |
| 2-Hexanone | 5 R | 5 R | 5 R | | | | | |
| Tetrachloroethene | 1 | 1 | 1 | | | | | |
| 1,1,2,2-Tetrachloroethane | 1 | 1 | 1 | | | | | |
| Toluene | 1 | 1 | 1 | | | | | |
| Chlorobenzene | 1 | 1 | 1 | | | | | |
| 1,1,1,2-Tetrachloroethane | 1 | 1 | 1 | | | | | |
| Ethylbenzene | 1 | 1 | 1 | | | | | |
| Styrene | 1 | 1 | 1 | | | | | |
| Xylene (Total) | 1 | 1 | 1 | | | | | |
| Isopropylbenzene | 1 | 1 | 1 | | | | | |
| Bromobenzene | 1 | 1 | 1 | | | | | |
| 1,2,3-Trichloropropane | 1 | 1 | 1 | | | | | |
| n-Propylbenzene | 1 | 1 | 1 | | | | | |
| 2-Chlorotoluene | 1 | 1 | 1 | | | | | |
| 4-Chlorotoluene | 1 | 1 | 1 | | | | | |
| 1,3,5-Trimethylbenzene | 1 | 1 | 1 | | | | | |
| tert-Butylbenzene | 1 | 1 | 1 | | | | | |
| 1,2,4-Trimethylbenzene | 1 | 1 | 1 | | | | | |
| sec-Butylbenzene | 1 | 1 | 1 | | | | | |
| 1,3-Dichlorobenzene | 1 | 1 | 1 | | | | | |
| 1,2-Dichlorobenzene | 1 | 1 | 1 | | | | | |
| p-Isopropyltoluene | 1 | 1 | 1 | | | | | |
| n-Butylbenzene | 1 | 1 | 1 | | | | | |
| 1,2-Dibromo-3-Chloropropane | 1 R | 1 R | 1 R | | | | | |
| 1,4-Dichlorobenzene | 1 | 1 | 1 | | | | | |
| 1,2,4-Trichlorobenzene | 1 | 1 | 1 | | | | | |
| Naphthalene | 1 | 1 | 1 | | | | | |
| 1,2,3-Trichlorobenzene | 1 | 1 | 1 | | | | | |
| Hexachlorobutadiene | 1 | 1 | 1 | | | | | |
| Trichlorofluoromethane | 1 | 1 | 1 | | | | | |

R Value is rejected.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

WATER ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown | Duplicate of GW-75-17 | | | | | |
| Sampling Date | 07/14/92 | 07/14/92 | | | | | |
| Extraction Date | 07/16/92 | 07/17/92 | | | | | |
| Analysis Date | 07/23/92 | 07/23/92 | | | | | |
| PESTICIDE/PCB COMPOUND | ug/L | ug/L | | | | | |
| alpha-BHC | | | | | | | |
| beta-BHC | | | | | | | |
| delta-BHC | | | | | | | |
| gamma-BHC (Lindane) | | | | | | | |
| Heptachlor | | | | | | | |
| Aldrin | | | | | | | |
| Heptachlor epoxide | | | | | | | |
| Endosulfan I | | | | | | | |
| Dieldrin | | | | | | | |
| 4,4'-DDE | | | | | | | |
| Endrin | | | | | | | |
| Endosulfan II | | | | | | | |
| 4,4'-DDD | | | | | | | |
| Endosulfan sulfate | | | | | | | |
| 4,4'-DDT | | | | | | | |
| Methoxychlor | | | | | | | |
| Endrin ketone | | | | | | | |
| Endrin aldehyde | | | | | | | |
| alpha-Chlordane | | | | | | | |
| gamma-Chlordane | | | | | | | |
| Toxaphene | | | | | | | |
| Aroclor-1016 | | | | | | | |
| Aroclor-1221 | | | | | | | |
| Aroclor-1232 | | | | | | | |
| Aroclor-1242 | | | | | | | |
| Aroclor-1248 | | | | | | | |
| Aroclor-1254 | | | | | | | |
| Aroclor-1260 | | | | | | | |

A blank space indicates the compound was not detected.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown wells | Duplicate of GW-75-17 | | | | | |
| PESTICIDE/PCB COMPOUND | ug/L | ug/L | | | | | |
| alpha-BHC | 0.010 | 0.010 | | | | | |
| beta-BHC | 0.010 | 0.010 | | | | | |
| delta-BHC | 0.010 | 0.010 | | | | | |
| gamma-BHC (Lindane) | 0.010 | 0.010 | | | | | |
| Heptachlor | 0.012 | 0.010 | | | | | |
| Aldrin | 0.010 | 0.010 | | | | | |
| Heptachlor epoxide | 0.010 | 0.010 | | | | | |
| Endosulfan I | 0.010 | 0.010 | | | | | |
| Dieldrin | 0.020 | 0.020 | | | | | |
| 4,4'-DDE | 0.020 | 0.020 | | | | | |
| Endrin | 0.020 | 0.020 | | | | | |
| Endosulfan II | 0.020 | 0.020 | | | | | |
| 4,4'-DDD | 0.020 | 0.020 | | | | | |
| Endosulfan sulfate | 0.020 | 0.020 | | | | | |
| 4,4'-DDT | 0.020 | 0.020 | | | | | |
| Methoxychlor | 0.10 | 0.10 | | | | | |
| Endrin ketone | 0.020 | 0.020 | | | | | |
| Endrin aldehyde | 0.020 | 0.020 | | | | | |
| alpha-Chlordane | 0.010 | 0.010 | | | | | |
| gamma-Chlordane | 0.010 | 0.010 | | | | | |
| Toxaphene | 1.0 | 1.0 | | | | | |
| Aroclor-1016 | 0.20 | 0.20 | | | | | |
| Aroclor-1221 | 0.40 | 0.40 | | | | | |
| Aroclor-1232 | 0.20 | 0.20 | | | | | |
| Aroclor-1242 | 0.20 | 0.20 | | | | | |
| Aroclor-1248 | 0.20 | 0.20 | | | | | |
| Aroclor-1254 | 0.20 | 0.20 | | | | | |
| Aroclor-1260 | 0.20 | 0.20 | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

WATER ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown | Duplicate of GW-75-17 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | | | | | |
| 3-Nitroaniline | | | | | | | |
| Acenaphthene | | | | | | | |
| 2,4-Dinitrophenol | | | | | | | |
| 4-Nitrophenol | | | | | | | |
| Dibenzofuran | | | | | | | |
| 2,4-Dinitrotoluene | | | | | | | |
| Diethylphthalate | | | | | | | |
| 4-Chlorophenyl-phenylether | | | | | | | |
| Fluorene | | | | | | | |
| 4-Nitroaniline | | | | | | | |
| 4,6-Dinitro-2-methylphenol | | | | | | | |
| N-Nitrosodiphenylamine | | | | | | | |
| 4-Bromophenyl-phenylether | | | | | | | |
| Hexachlorobenzene | | | | | | | |
| Pentachlorophenol | | | | | | | |
| Phenanthrene | | | | | | | |
| Anthracene | | | | | | | |
| Di-n-butylphthalate | | | | | | | |
| Fluoranthene | | | | | | | |
| Pyrene | | | | | | | |
| Butylbenzylphthalate | | | | | | | |
| 3,3'-Dichlorobenzidine | | | | | | | |
| Benzo(a)anthracene | | | | | | | |
| Chrysene | | | | | | | |
| bis(2-Ethylhexyl)phthalate | | | | | | | |
| Di-n-octyl phthalate | | | | | | | |
| Benzo(b)fluoranthene | | | | | | | |
| Benzo(k)fluoranthene | | | | | | | |
| Benzo(a)pyrene | | | | | | | |
| Indeno (1,2,3-cd)pyrene | | | | | | | |
| Dibenz(a,h)anthracene | | | | | | | |
| Benzo(g,h,i)perylene | | | | | | | |

A blank space indicates the compound was not detected.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

WATER ANALYTICAL RESULTS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown | Duplicate of GW-75-17 | | | | | |
| Sampling Date | 07/14/92 | 07/14/92 | | | | | |
| Extraction Date | 07/16/92 | 07/17/92 | | | | | |
| Analysis Date | 07/26/92 | 07/28/92 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | | | | | |
| Phenol | | | | | | | |
| bis (2-Chloroethyl) ether | | | | | | | |
| 2-Chlorophenol | | | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | | | | | | | |
| 2-Methylphenol | | | | | | | |
| 4-Methylphenol | | | | | | | |
| N-Nitroso-di-n-propylamine | | | | | | | |
| Hexachloroethane | | | | | | | |
| Nitrobenzene | | | | | | | |
| Isophorone | | | | | | | |
| 2-Nitrophenol | | | | | | | |
| 2,4-Dimethylphenol | | | | | | | |
| bis (2-Chloroethoxy) methane | | | | | | | |
| 2,4-Dichlorophenol | | | | | | | |
| 1,2,4-Trichlorobenzene | | | | | | | |
| Naphthalene | | | | | | | |
| 4-Chloroaniline | | | | | | | |
| Hexachlorobutadiene | | | | | | | |
| 4-Chloro-3-methylphenol | | | | | | | |
| 2-Methylnaphthalene | | | | | | | |
| Hexachlorocyclopentadiene | | | | | | | |
| 2,4,6-Trichlorophenol | | | | | | | |
| 2,4,5-Trichlorophenol | | | | | | | |
| 2-Chloronaphthalene | | | | | | | |
| 2-Nitroaniline | | | | | | | |
| Dimethylphthalate | | | | | | | |
| Acenaphthylene | | | | | | | |
| 2,6-Dinitrotoluene | | | | | | | |

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown wells | Duplicate of GW-75-17 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | | | | | |
| 3-Nitroaniline | 20 | 20 | | | | | |
| Acenaphthene | 5 | 5 | | | | | |
| 2,4-Dinitrophenol | 20 | 20 | | | | | |
| 4-Nitrophenol | 20 | 20 | | | | | |
| Dibenzofuran | 5 | 5 | | | | | |
| 2,4-Dinitrotoluene | 5 | 5 | | | | | |
| Diethylphthalate | 5 | 5 | | | | | |
| 4-Chlorophenyl-phenylether | 5 | 5 | | | | | |
| Fluorene | 5 | 5 | | | | | |
| 4-Nitroaniline | 20 | 20 | | | | | |
| 4,6-Dinitro-2-methylphenol | 20 | 20 | | | | | |
| N-Nitrosodiphenylamine | 5 | 5 | | | | | |
| 4-Bromophenyl-phenylether | 5 | 5 | | | | | |
| Hexachlorobenzene | 5 | 5 | | | | | |
| Pentachlorophenol | 20 | 20 | | | | | |
| Phenanthrene | 5 | 5 | | | | | |
| Anthracene | 5 | 5 | | | | | |
| Di-n-butylphthalate | 5 | 5 | | | | | |
| Fluoranthene | 5 | 5 | | | | | |
| Pyrene | 5 | 5 | | | | | |
| Butylbenzylphthalate | 5 | 5 | | | | | |
| 3,3'-Dichlorobenzidine | 5 | 5 UJ | | | | | |
| Benzo(a)anthracene | 5 | 5 | | | | | |
| Chrysene | 5 | 5 | | | | | |
| bis(2-Ethylhexyl)phthalate | 5 | 5 | | | | | |
| Di-n-octyl phthalate | 5 | 5 | | | | | |
| Benzo(b)fluoranthene | 5 | 5 | | | | | |
| Benzo(k)fluoranthene | 5 | 5 | | | | | |
| Benzo(a)pyrene | 5 | 5 | | | | | |
| Indeno (1,2,3-cd)pyrene | 5 | 5 | | | | | |
| Dibenz(a,h)anthracene | 5 | 5 | | | | | |
| Benzo(g,h,i)perylene | 5 | 5 | | | | | |

UJ Quantitation limit is approximate due to limitations identified during the quality control review.

CLP EXTRACTABLE ORGANIC ANALYSIS

CASE NO. 18470/6702HQ SDG NO. SAO385

SAMPLE QUANTITATION LIMITS

| Sample Location | Whitney Blake Co./Vermont | Whitney Blake Co./Vermont | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Number | GW-75-17 | GW-75-18 | | | | | |
| Traffic Report Number | SAO385 | SAO386 | | | | | |
| Remarks | Groundwater: Steamtown wells | Duplicate of GW-75-17 | | | | | |
| SEMI-VOLATILE COMPOUND | ug/L | ug/L | | | | | |
| Phenol | 5 | 5 | | | | | |
| bis (2-Chloroethyl) ether | 5 | 5 | | | | | |
| 2-Chlorophenol | 5 | 5 | | | | | |
| 2,2'-Oxybis(1-Chloropropane) | 5 | 5 | | | | | |
| 2-Methylphenol | 5 | 5 | | | | | |
| 4-Methylphenol | 5 | 5 | | | | | |
| N-Nitroso-di-n-propylamine | 5 | 5 | | | | | |
| Hexachloroethane | 5 | 5 | | | | | |
| Nitrobenzene | 5 | 5 | | | | | |
| Isophorone | 5 | 5 | | | | | |
| 2-Nitrophenol | 5 | 5 | | | | | |
| 2,4-Dimethylphenol | 5 | 5 | | | | | |
| bis (2-Chloroethoxy) methane | 5 | 5 | | | | | |
| 2,4-Dichlorophenol | 5 | 5 | | | | | |
| 1,2,4-Trichlorobenzene | 5 | 5 | | | | | |
| Naphthalene | 5 | 5 | | | | | |
| 4-Chloroaniline | 5 | 5 | | | | | |
| Hexachlorobutadiene | 5 | 5 | | | | | |
| 4-Chloro-3-methylphenol | 5 | 5 | | | | | |
| 2-Methylnaphthalene | 5 | 5 | | | | | |
| Hexachlorocyclopentadiene | 5 | 5 | | | | | |
| 2,4,6-Trichlorophenol | 5 | 5 | | | | | |
| 2,4,5-Trichlorophenol | 20 | 20 | | | | | |
| 2-Chloronaphthalene | 5 | 5 | | | | | |
| 2-Nitroaniline | 20 | 20 | | | | | |
| Dimethylphthalate | 5 | 5 | | | | | |
| Acenaphthylene | 5 | 5 | | | | | |
| 2,6-Dinitrotoluene | 5 | 5 | | | | | |

CLP INORGANIC ANALYSIS
CASE NO. 18470 SDG NO. MAY959
ANALYTICAL RESULTS

| Sample Location | | | Whitney Blake Comp. of Vt. | Whitney Blake Comp. of Vt. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | GW-75-17 | GW-75-18 | | | | | | |
| Traffic Report Number | | | MAY959 | MAY960 | | | | | | |
| Remarks | | | Groundwater sample: Steamtown | Duplicate of GW-75-17 | | | | | | |
| Sampling Date | | | 7/14/92 | 7/14/92 | | | | | | |
| Inorganic Elements | | CRDL (ug/L) | ug/L | ug/L | | | | | | |
| Aluminum | P | 200 | | | | | | | | |
| Antimony | P | 60 | | | | | | | | |
| Arsenic | F | 10 | 7.0 | 7.2 | | | | | | |
| Barium | P | 200 | | | | | | | | |
| Beryllium | P | 5 | | | | | | | | |
| Cadmium | P | 5 | | | | | | | | |
| Calcium | P | 5000 | 24800 | 24600 | | | | | | |
| Chromium | P | 10 | | | | | | | | |
| Cobalt | P | 50 | | | | | | | | |
| Copper | P | 25 | | | | | | | | |
| Iron | P | 100 | | | | | | | | |
| Lead | F | 3 | 4.1 J | 1.0 J | | | | | | |
| Magnesium | P | 5000 | 7610 | 7540 | | | | | | |
| Manganese | P | 15 | 4.3 | 3.9 | | | | | | |
| Mercury | V | 0.2 | | | | | | | | |
| Nickel | P | 40 | | | | | | | | |
| Potassium | P | 5000 | 1830 J | 1440 J | | | | | | |
| Selenium | F | 5 | | | | | | | | |
| Silver | P | 10 | | | | | | | | |
| Sodium | P | 5000 | 3760 | 3740 | | | | | | |
| Thallium | F | 10 | | | | | | | | |
| Vanadium | P | 50 | | | | | | | | |
| Zinc | P | 20 | | | | | | | | |
| Cyanide | C | 10 | | | | | | | | |

Analytical Method
F Furnace
P ICP/Flame AA
V Cold Vapor
C Colorimetric

A blank space indicates the element was not detected.
J Quantitation is approximate due to limitations identified in the quality control review.
R Value is rejected.
NA Not Analyzed

CLP INORGANIC ANALYSIS
CASE NO. 18470 SDG NO. MAY959
SAMPLE DETECTION LIMITS

| Sample Location | | | Whitney Blake Comp. of Vt. | Whitney Blake Comp. of Vt. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Number | | | GW-75-17 | GW-75-18 | | | | | | |
| Traffic Report Number | | | MAY959 | MAY960 | | | | | | |
| Remarks | | | Groundwater sample: Steamtown | Duplicate of GW-75-17 | | | | | | |
| Sampling Date | | | 7/14/92 | 7/14/92 | | | | | | |
| Percent Solids | | | 0.0 | 0.0 | | | | | | |
| Inorganic Elements | | IDL (ug/L) | ug/L | ug/L | | | | | | |
| Aluminum | P | 20.0 | 20.00 | 20.00 | | | | | | |
| Antimony | P | 19.0 | 19.00 | 19.00 | | | | | | |
| Arsenic | F | 3.0 | 3.00 | 3.00 | | | | | | |
| Barium | P | 1.0 | 1.00 UJ | 1.10 UJ | | | | | | |
| Beryllium | P | 1.0 | 1.00 | 1.00 | | | | | | |
| Cadmium | P | 2.0 | 2.00 | 2.00 | | | | | | |
| Calcium | P | 5.0 | 5.00 | 5.00 | | | | | | |
| Chromium | P | 3.0 | 3.00 | 3.00 | | | | | | |
| Cobalt | P | 4.0 | 4.00 | 4.00 | | | | | | |
| Copper | P | 4.0 | 4.00 | 4.00 | | | | | | |
| Iron | P | 5.0 | 112.00 | 89.30 | | | | | | |
| Lead | F | 1.0 | 1.00 | 1.00 | | | | | | |
| Magnesium | P | 27.0 | 27.00 | 27.00 | | | | | | |
| Manganese | P | 1.0 | 1.00 | 1.00 | | | | | | |
| Mercury | V | 0.2 | 0.20 | 0.20 | | | | | | |
| Nickel | P | 16.0 | 16.00 | 16.00 | | | | | | |
| Potassium | P | 676.0 | 676.00 | 676.00 | | | | | | |
| Selenium | F | 2.0 | 2.00 | 2.00 | | | | | | |
| Silver | P | 3.0 | 3.00 | 3.00 | | | | | | |
| Sodium | P | 27.0 | 27.00 | 27.00 | | | | | | |
| Thallium | F | 1.0 | 1.00 | 1.00 | | | | | | |
| Vanadium | P | 3.0 | 3.00 | 3.00 | | | | | | |
| Zinc | P | 2.0 | 7.70 | 7.10 | | | | | | |
| Cyanide | C | 10.0 | 10.00 | 10.00 | | | | | | |

Analytical Method

F Furnace AA P ICP/Flame AA V Cold Vapor C Colorimetric

| Sample's wet weight (gms) digested | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| for Hg analysis | | | | | | | | |
| for ICP analysis | | | | | | | | |
| for furnace AA analysis | | | | | | | | |
| for Cyanide analysis | | | | | | | | |

| Volumes used preparing samples for analysis | |
|---|---|
| for Hg analysis | 100 mls |
| for ICP/AA analysis | 200 mls |
| for Cyanide analysis | 250 mls |

UJ Value is undetected and the quantitation is approximate due to limitations identified in the quality control review.

R Value is rejected.

# APPENDIX B

## ANALYTICAL RESULTS FROM THE FIRST PROCESS WATER POND AND PROCESS WATER WELL

**Collected by Water Test, Inc. for the Whitney Blake Company of Vermont, December 11, 1990**

WaterTest
CORPORATION OF AMERICA

33 So. Commercial Street
Manchester, NH 03101
(603) 623-7400
FAX (603) 623-8421

Cat. # H054 : Pesticides/PCBs

| CUSTOMER | SOURCE |
|---|---|
| WHITNEY BLAKE | WHITNEY BLAKE |
| CHRISTOPHER STEELE | CHRISTOPHER STEELE |
| INDUSTRIAL DR PO 579 | |
| BELLOWS FALLS VT 05101 | BELLOWS FALLS VT |

PHONE # : (802) 463-9558

DATE SAMPLED : 01-NOV-1990
DATE REPORTED : 10-NOV-1990

SAMPLE NUMBER : 136515

| ANALYTE | MCL | Units | | RESULT | Units |
|---|---|---|---|---|---|
| Atrazine | NO MCL SET | mg/l | Less than | 0.0003 | mg/l |
| Alachlor | NO MCL SET | mg/l | Less than | 0.0004 | mg/l |
| Aldrin | NO MCL SET | mg/l | Less than | 0.0001 | mg/l |
| Chlordane | NO MCL SET | mg/l | Less than | 0.0004 | mg/l |
| Dieldrin | NO MCL SET | mg/l | Less than | 0.0002 | mg/l |
| Endrin | 0.0020 | mg/l | Less than | 0.0002 | mg/l |
| Heptachlor | NO MCL SET | mg/l | Less than | 0.0004 | mg/l |
| Heptachlor Epoxide | NO MCL SET | mg/l | Less than | 0.0002 | mg/l |
| Hexachlorobenzene | NO MCL SET | mg/l | Less than | 0.0003 | mg/l |
| Lindane | 0.0040 | mg/l | Less than | 0.0002 | mg/l |
| Methoxychlor | 0.1000 | mg/l | Less than | 0.0002 | mg/l |
| Toxaphene | 0.0050 | mg/l | Less than | 0.0020 | mg/l |
| Aroclor 1016 | NO MCL SET | mg/l | Less than | 0.0006 | mg/l |
| Aroclor 1221 | NO MCL SET | mg/l | Less than | 0.0020 | mg/l |
| Aroclor 1232 | NO MCL SET | mg/l | Less than | 0.0020 | mg/l |
| Aroclor 1242 | NO MCL SET | mg/l | Less than | 0.0006 | mg/l |
| Aroclor 1248 | NO MCL SET | mg/l | Less than | 0.0007 | mg/l |
| Aroclor 1254 | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Aroclor 1260 | NO MCL SET | mg/l | Less than | 0.0010 | mg/l |

MCL means Maximum Contaminant Level as set by the Safe Drinking Water Act (SDWA). The number following the words 'Less than' refers to the lowest reportable measurement for that analyte. Analytes greater than the MCL are marked with double asterisks on either side of the results. No MCL's have been established for individual Trihalomethanes as marked with an asterisk. The MCL for Total Trihalomethanes is 0.1000 mg/l.



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WaterTest
CORPORATION OF AMERICA

33 So. Commercial Street
Manchester, NH 03101
(603) 623-7400
FAX (603) 623-8421

Cat. # W001 : Econ Purity (Well)

| CUSTOMER | SOURCE |
|---|---|
| WHITNEY BLAKE | WHITNEY BLAKE |
| CHRISTOPHER STEELE | CHRISTOPHER STEELE |
| INDUSTRIAL DR PO 579 | |
| BELLOWS FALLS VT 05101 | BELLOWS FALLS VT |

PHONE # : (802) 463-9558

DATE SAMPLED : 01-NOV-1990
DATE REPORTED : 15-NOV-1990

SAMPLE NUMBER : 136513

| ANALYTE | MCL | Units | | RESULT | Units |
|---|---|---|---|---|---|
| Arsenic | 0.050 | mg/l | | 0.016 | mg/l |
| Barium | 1.000 | mg/l | Less than | 0.010 | |
| Cadmium | 0.010 | mg/l | Less than | 0.002 | |
| Calcium | NO MCL SET | mg/l | | 38.675 | mg/l |
| Chromium | 0.050 | mg/l | Less than | 0.002 | |
| Copper | NO MCL SET | mg/l | | 0.007 | mg/l |
| Iron | NO MCL SET | mg/l | | 0.023 | mg/l |
| Lead | 0.050 | mg/l | Less than | 0.010 | |
| Manganese | NO MCL SET | mg/l | | 0.010 | mg/l |
| Magnesium | NO MCL SET | mg/l | | 10.366 | mg/l |
| Nickel | NO MCL SET | mg/l | Less than | 0.050 | |
| Silver | 0.050 | mg/l | Less than | 0.002 | |
| Sodium | NO MCL SET | mg/l | | 5.381 | mg/l |
| Zinc | NO MCL SET | mg/l | | 0.053 | mg/l |
| Nitrate/Nitrites (N) | 10.000 | mg/l | Less than | 0.500 | |
| Fluoride | 4.000 | mg/l | Less than | 0.100 | |
| Alkalinity | NO MCL SET | mg/l | | 52.790 | mg/l |
| Chloride | NO MCL SET | mg/l | | 31.040 | mg/l |
| Hardness | NO MCL SET | mg/l | | 139.262 | mg/l |
| pH | NO MCL SET | pH units | | 7.500 | pH units |
| Corrosivity | NO MCL SET | pHs | - | 0.663 | pHs |
| Specific Conductance | NO MCL SET | uS/cm | | 277.000 | uS/cm |
| Molybdenum | NO MCL SET | mg/l | Less than | 0.005 | |
| Total Coliform | 1.000 | CFU/100ml | Less than | 1.000 | |
| Total Non Coliform | 200.000 | CFU/100ml | Less than | 200.000 | |

MCL means Maximum Contaminant Level as set by the Safe Drinking Water Act (SDWA). The number following the words 'Less than' refers to the lowest reportable measurement for that analyte. Analytes greater than the MCL are marked with double asterisks on either side of the results. No MCL's have been established for individual Trihalomethanes as marked with an asterisk. The MCL for Total Trihalomethanes is 0.1000 mg/l.



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WaterTest
CORPORATION OF AMERICA

33 So. Commercial Street
Manchester, NH 03101
(603) 623-7400
FAX (603) 623-8421

Cat. # H053 : Volatile Solvents

| CUSTOMER | SOURCE |
|---|---|
| WHITNEY BLAKE | WHITNEY BLAKE |
| CHRISTOPHER STEELE | CHRISTOPHER STEELE |
| INDUSTRIAL DR PO 579 | |
| BELLOWS FALLS VT 05101 | BELLOWS FALLS VT |

PHONE # : (802) 463-9558

DATE SAMPLED : 01-NOV-1990
DATE REPORTED : 10-NOV-1990

SAMPLE NUMBER : 136514

| ANALYTE | MCL | Units | | RESULT | Units |
|---|---|---|---|---|---|
| Benzene | 0.0050 | mg/l | Less than | 0.0005 | mg/l |
| Bromobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Bromochloromethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Bromomethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| n-Butylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| sec-Butylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| tert-Butylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Carbon tetrachloride | 0.0050 | mg/l | Less than | 0.0005 | mg/l |
| Chlorobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Chloroethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Chloromethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 2-Chlorotoluene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 4-Chlorotoluene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2-Dibromo-3-chloropropane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2-Dibromoethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Dibromomethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2-Dichlorobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,3-Dichlorobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,4-Dichlorobenzene | 0.0750 | mg/l | Less than | 0.0005 | mg/l |
| Dichlorodifluoromethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,1-Dichloroethane | NO MCL SET | mg/l | | 0.0010 | mg/l |
| 1,2-Dichloroethane | 0.0050 | mg/l | Less than | 0.0005 | mg/l |
| 1,1-Dichloroethene | 0.0070 | mg/l | | 0.0010 | mg/l |
| trans-1,2-Dichloroethene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| cis-1,2-Dichloroethene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2-Dichloropropane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,3-Dichloropropane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 2,2-Dichloropropane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,1-Dichloropropene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |

MCL means Maximum Contaminant Level as set by the Safe Drinking Water Act (SDWA). The number following the words 'Less than' refers to the lowest reportable measurement for that analyte. Analytes greater than the MCL are marked with double asterisks on either side of the results. No MCL's have been established for individual Trihalomethanes as marked with an asterisk. The MCL for Total Trihalomethanes is 0.1000 mg/l.

aterTest
ORATION OF AMERICA

33 So. Commercial Street
Manchester, NH 03101
(603) 623-7400
FAX (603) 623-8421

Cat. # H053 : Volatile Solvents

CUSTOMER

WHITNEY BLAKE
CHRISTOPHER STEELE
INDUSTRIAL DR PO 579
BELLOWS FALLS VT 05101

PHONE # : (802) 463-9558

SOURCE

WHITNEY BLAKE
CHRISTOPHER STEELE

BELLOWS FALLS VT

SAMPLE NUMBER : 136514

DATE SAMPLED : 01-NOV-1990
DATE REPORTED : 10-NOV-1990

| ANALYTE | MCL | Units | | RESULT | Units |
|---|---|---|---|---|---|
| Ethylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Hexachlorobutadiene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Isopropylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 4-Isopropyltoluene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Methylene chloride | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Naphthalene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Propylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Styrene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,1,1,2-Tetrachloroethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,1,2,2-Tetrachloroethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Tetrachloroethene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Toluene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2,3-Trichlorobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2,4-Trichlorobenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,1,1-Trichloroethane | 0.2000 | mg/l | | 0.0090 | mg/l |
| 1,1,2-Trichloroethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Trichloroethene | 0.0050 | mg/l | Less than | 0.0005 | mg/l |
| 1,2,3-Trichloropropane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,2,4-Trimethylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| 1,3,5-Trimethylbenzene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Vinyl chloride | 0.0020 | mg/l | Less than | 0.0005 | mg/l |
| o-Xylene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| m,p-Xylenes | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| cis-1,3-Dichloropropene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| trans-1,3-Dichloropropene | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| Trichlorofluoromethane | NO MCL SET | mg/l | Less than | 0.0005 | mg/l |
| * Chloroform | | mg/l | Less than | 0.0005 | mg/l |
| * Bromodichloromethane | | mg/l | Less than | 0.0005 | mg/l |
| * Dibromochloromethane | | mg/l | Less than | 0.0005 | mg/l |
| * Bromoform | | mg/l | Less than | 0.0005 | mg/l |

MCL means Maximum Contaminant Level as set by the Safe Drinking Water Act (SDWA). The number following the words 'Less than' refers to the lowest reportable measurement for that analyte. Analytes greater than the MCL are marked with double asterisks on either side of the results. No MCL's have been established for individual Trihalomethanes as marked with an asterisk. The MCL for Total Trihalomethanes is 0.1000 mg/l.

aterTest
ORATION OF AMERICA
33 So. Commercial Street
Manchester, NH 03101
(603) 623-7400
FAX (603) 623-8421

Cat. # H053 : Volatile Solvents

| CUSTOMER | SOURCE |
|---|---|
| WHITNEY BLAKE | WHITNEY BLAKE |
| CHRISTOPHER STEELE | CHRISTOPHER STEELE |
| INDUSTRIAL DR PO 579 | |
| BELLOWS FALLS VT 05101 | BELLOWS FALLS VT |

PHONE # : (802) 463-9558

DATE SAMPLED : 01-NOV-1990
DATE REPORTED : 10-NOV-1990

SAMPLE NUMBER : 136514

| ANALYTE | MCL | Units | RESULT | Units |
|---|---|---|---|---|
| Trihalomethanes: | 0.1000 | mg/l | 0.0000 | mg/l |

L means Maximum Contaminant Level as set by the Safe Drinking Water Act (SDWA). The number following the words 'Less than' refers to the lowest reportable measurement for that analyte. Analytes greater than the MCL are marked with double asterisks on either side the results. No MCL's have been established for individual Trihalomethanes as marked with an asterisk. The MCL for Total Trihalomethanes is 0.1000 mg/l.

# APPENDIX C

## ANALYTICAL RESULTS FROM THE WHITNEY BLAKE PROCESS WATER POND AND THE STEAMTOWN, USA WELLS
## Collected by the VTAEC, for the VTDOH, October 1981 and August 1982

CALIFORNIA BACTERIOLOGICAL ANALYSIS OF PUBLIC WATER SUPPLY

| | |
|---|---|
| Rosalia Rim | WATER SYSTEM NAME & ADDRESS: Private Cistern Blake Corry Flat |
| LOCATION (NAME, ST. #, APT. #, ETC.) | From Pond |
| PURPOSE OF SAMPLE (CHECK): ☐ ROUTINE ☐ ANNUAL ☐ FOLLOW UP ☐ ANNUAL FOLLOW UP ☐ OTHER _____ (SPECIFY) | SAMPLER NAME & ADDRESS: Wm. Ledue |
| TYPE OF SAMPLE (CHECK): ☐ HEALTH OFFICER ☐ OPERATOR ☑ STATE HEALTH DEPARTMENT ☐ OTHER _____ (SPECIFY) | |
| TYPE OF SAMPLE: ☐ SOURCE ☐ DISTRIBUTION ☑ OTHER Pond (SPECIFY) | DATE OF SAMPLE 10/21/81 |
| | TIME _____ O'CLOCK AM PM |
| REMARKS BY SAMPLER: Please do organics and chlorides And All chem | REMARKS BY LAB |

MCL = MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

**PRIMARY STANDARDS**

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| ☐ TURBIDITY | . | 1 |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| ☐ LEAD | 0. | 0.05 |
| ☐ SILVER | . | 0.05 |
| ☐ CHROMIUM | . | 0.05 |
| ☐ CADMIUM | . | 0.01 |
| ☐ BARIUM | . | 1.0 |
| ☐ ARSENIC | 0. | 0.05 |
| ☐ SELENIUM | . | 0.01 |
| ☐ FLUORIDE | . | 2.2 |
| ☐ MERCURY | . | 0.002 |
| ☐ NITRATE | . | 10* |
| ☐ SODIUM | 2. | 20** |

| ORGANIC CHEMICALS | | MCL |
|---|---|---|
| ☐ ENDRIN | . | 0.0002 |
| ☐ LINDANE | . | 0.004 |
| ☐ METHOXYCHLOR | . | 0.1 |
| ☐ TOXAPHENE | . | 0.005 |
| ☐ 2,4-D | . | 0.1 |
| ☐ 2,4,5-TP SILVEX | . | 0.01 |
| ☐ TOTAL THM | .014 | 0.1 |

| OTHER ANALYSES | | |
|---|---|---|
| ☐ TRICHLORETHYLENE | .0 | |
| ☐ TETRACHLORETHYLENE | .0 | |
| ☐ TETRACHLORETHANE | .0 | |

**SECONDARY STANDARDS**

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| ☐ COLOR | . | 15 |
| ☐ ODOR | . | |
| ☐ PH | . | 6.5-8. |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| ☐ PHTH ALK. AS $CaCO_3$ | . | |
| ☐ M.O. ALK. AS $CaCO_3$ | . | |
| ☐ HARDNESS AS $CaCO_3$ | . | |
| ☐ COPPER | 0.40 | 1.0 |
| ☐ IRON | 0.67 | 0.3 |
| ☐ MANGANESE | 0.032 | 0.05 |
| ☐ ZINC | 0.11 | 5 |
| ☐ FOAMING AGENTS | . | 0.5 |
| ☐ NITRITE | . | |
| ☐ CHLORIDE | . | 250 |
| ☐ SULFATE | . | 250 |
| ☐ CORROSIVITY | . | 0.1 UN |
| ☐ HYDROGEN SULFIDE | . | 0.05 |
| ☐ TOT. DISSOLVED SOLIDS | . | 500 |

| OTHER ANALYSES | | |
|---|---|---|
| Chloroform | .014 | $10^{-4}$ (c |
| 111 Trichloroethane | .027 | 1.0 |
| | . | |
| | . | |
| BERYLLIUM | 0.0 | |
| NICKEL | 0.033 | |
| | . | |
| | . | |

REC'D 10/21/81 TIME _____ DATE REPORTED NOV 10 1981

LAB NUMBER 555 LABORATORY DIRECTOR [illegible]

*FOR INFANTS UP TO 6 MO., CONSULT PHYSICIAN IF NITRATE EXCEEDS 2.5
**MCL FOR NOTIFICATION PURPOSES ONLY.

CHEMICAL/PHYSICAL ANALYSIS OF PUBLIC WATER SUPPLY

WATER SYSTEM NAME & ADDRESS: Rosebud Fort

SAMPLE LOCATION (NAME, STREET & APT. #, ETC.): Entrance to Reservoir waters

PURPOSE OF SAMPLE (CHECK): ☐ ROUTINE ☐ ANNUAL ☐ FOLLOW UP ☐ ANNUAL FOLLOW UP ☒ OTHER Test (SPECIFY)

SAMPLER NAME & ADDRESS: [illegible] 60 Main ST

TYPE OF SAMPLE (CHECK): ☐ HEALTH OFFICER ☐ OPERATOR ☒ STATE HEALTH DEPARTMENT ☐ OTHER _____ (SPECIFY)

TYPE OF SAMPLE: ☐ SOURCE ☐ DISTRIBUTION ☒ OTHER Reservoir water (SPECIFY)

DATE OF SAMPLE: 10/21/81

TIME _____ O'CLOCK AM PM

REMARKS BY SAMPLER: • Please look for organics, Vinyl chloride

REMARKS BY LAB:

MCL = MAXIMUM CONTAMINANT LEVEL

CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER

PPM = PARTS PER MILLION

**PRIMARY STANDARDS**

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| ☐ TURBIDITY | | 1 |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| ☐ LEAD | 0.012 | 0.05 |
| ☐ SILVER | | 0.05 |
| ☐ CHROMIUM | | 0.05 |
| ☐ CADMIUM | | 0.01 |
| ☐ BARIUM | | 1.0 |
| ☐ ARSENIC | 0 | 0.05 |
| ☐ SELENIUM | | 0.01 |
| ☐ FLUORIDE | | 2.2 |
| ☐ MERCURY | | 0.002 |
| ☐ NITRATE | | 10* |
| ☐ SODIUM | 2 | 20** |

| ORGANIC CHEMICALS | | |
|---|---|---|
| ☐ ENDRIN | | 0.0002 |
| ☐ LINDANE | | 0.004 |
| ☐ METHOXYCHLOR | | 0.1 |
| ☐ TOXAPHENE | | 0.005 |
| ☐ 2,4-D | | 0.1 |
| ☐ 2,4,5-TP SILVEX | | 0.01 |
| ☐ TOTAL THM | | 0.1 |

| OTHER ANALYSES | |
|---|---|
| ☐ TRICHLOROETHYLENE | 0 |
| ☐ TETRACHLOROETHYLENE | 0 |
| ☐ TETRACHLOROETHANE | 0 |

**SECONDARY STANDARDS**

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| ☐ COLOR | | 15 |
| ☐ ODOR | | |
| ☐ PH | | 6.5-8. |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| ☐ PHTH ALK. AS $CaCO_3$ | | |
| ☐ M.O., ALK. AS $CaCO_3$ | | |
| ☐ HARDNESS AS $CaCO_3$ | | |
| ☐ COPPER | 0.31 | 1.0 |
| ☐ IRON | 0.42 | 0.3 |
| ☐ MANGANESE | 0.042 | 0.05 |
| ☐ ZINC | 0 | 5 |
| ☐ FOAMING AGENTS | | 0.5 |
| ☐ NITRITE | | |
| ☐ CHLORIDE | | 250 |
| ☐ SULFATE | | 250 |
| ☐ CORROSIVITY | | 0.1 ur |
| ☐ HYDROGEN SULFIDE | | 0.05 |
| ☐ TOT. DISSOLVED SOLIDS | | 500 |

| OTHER ANALYSES | |
|---|---|
| Chloroform | Trace |
| BERYLIUM | 0 |
| NICKEL | 0.015 |

REC'D 10/21/81 TIME _____ DATE REPORTED NOV 10 1981

NUMBER [illegible] LABORATORY DIRECTOR [illegible]

*FOR INFANTS UP TO 6 MO., CONSULT PHYSICIAN IF NITRATE EXCEEDS 2.5

**MCL FOR NOTIFICATION PURPOSES ONLY.

NAME & ADDRESS Steamtown Deerfield

SAMPLE LOCATION (NAME, STREET #, APT. #, ETC.) Fred Bailey steam town RO Box 71 Bellows Falls 05101

PURPOSE OF SAMPLE (CHECK)
- [ ] ROUTINE
- [ ] ANNUAL
- [ ] FOLLOW UP
- [ ] ANNUAL FOLLOW UP
- [x] OTHER Test (SPECIFY)

SAMPLER NAME & ADDRESS W. Lacke 60 Main St

TYPE OF SAMPLE (CHECK)
- [ ] HEALTH OFFICER
- [ ] OPERATOR
- [x] STATE HEALTH DEPARTMENT
- [ ] OTHER _____ (SPECIFY)

TYPE OF SAMPLE
- [ ] SOURCE
- [x] DISTRIBUTION
- [ ] OTHER _____ (SPECIFY)

DATE OF SAMPLE 10/21/81

TIME _____ O'CLOCK AM PM

REMARKS BY SAMPLER
Pesticide organics & total chloride
As well as Aldicarb

REMARKS BY LAB

MCL = MAXIMUM CONTAMINANT LEVEL
CHECK ANALYSES REQUESTED

LABORATORY REPORT

MG/L = MILLIGRAMS PER LITER
PPM = PARTS PER MILLION

## PRIMARY STANDARDS

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| [ ] TURBIDITY | | 1 |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| [ ] LEAD | 0 | 0.05 |
| [ ] SILVER | | 0.05 |
| [ ] CHROMIUM | | 0.05 |
| [ ] CADMIUM | | 0.01 |
| [ ] BARIUM | | 1.0 |
| [ ] ARSENIC | 0 | 0.05 |
| [ ] SELENIUM | | 0.01 |
| [ ] FLUORIDE | | 2.2 |
| [ ] MERCURY | | 0.002 |
| [ ] NITRATE | | 10* |
| [ ] SODIUM | 2 | 20** |

| ORGANIC CHEMICALS | | MCL |
|---|---|---|
| [ ] ENDRIN | | 0.0002 |
| [ ] LINDANE | | 0.004 |
| [ ] METHOXYCHLOR | | 0.1 |
| [ ] TOXAPHENE | | 0.005 |
| [ ] 2,4-D | | 0.1 |
| [ ] 2,4,5-TP SILVEX | | 0.01 |
| [ ] TOTAL THM | | 0.1 |

| OTHER ANALYSES | | |
|---|---|---|
| [ ] TRICHLOROETHYLENE | .0009 | 0.075 |
| [ ] TETRACHLOROETHYLENE | .0004 | 0.017 |
| [ ] TETRACHLOROETHANE | 0 | |

## SECONDARY STANDARDS

| PHYSICAL | STD. UNITS | MCL |
|---|---|---|
| [ ] COLOR | | 15 |
| [ ] ODOR | | |
| [ ] PH | | 6.5-8 |

| INORGANIC CHEMICALS | MG/L (PPM) | MCL |
|---|---|---|
| [ ] PHTH ALK. AS $CaCO_3$ | | |
| [ ] M.O. ALK. AS $CaCO_3$ | | |
| [ ] HARDNESS AS $CaCO_3$ | | |
| [ ] COPPER | 0.09 | 1.0 |
| [ ] IRON | 0.14 | 0.3 |
| [ ] MANGANESE | 0.01 | 0.05 |
| [ ] ZINC | 0 | 5 |
| [ ] FOAMING AGENTS | | 0.5 |
| [ ] NITRITE | | |
| [ ] CHLORIDE | | 250 |
| [ ] SULFATE | | 250 |
| [ ] CORROSIVITY | | 0.1 U |
| [ ] HYDROGEN SULFIDE | | 0.05 |
| [ ] TOT. DISSOLVED SOLIDS | | 500 |

| OTHER ANALYSES | | |
|---|---|---|
| Chloroform | .002 | $10^{-5}$ |
| 111 Trichloroethane | 0.041 | 1.0 |
| Benzene | .0004 | $10^{-6}$ |
| Toluene | .0004 | 14.3 |
| | | |
| BERYLLIUM | 0 | |
| NICKEL | 0 | |

DATE REC'D 10/23/81 TIME _____ DATE REPORTED NOV 10 1981

ID NUMBER 281 LABORATORY DIRECTOR A Power

*FOR INFANTS UP TO 6 MO., CONSULT PHYSICIAN IF NITRATE EXCEEDS 2.5

**MCL FOR NOTIFICATION PURPOSES ONLY.

acceptable; however, the combined effect of many differing chemicals may have a more than additive or synergistic effect on the health of persons drinking the water. It is therefore not in the best interests of of Bellows Falls to pursue this well site from a health point of view.

Prior to the Health Department reaching a final conclusion on this well site, we are awaiting a response from the Environmental Protection Agency.

Please call if you have further questions.

Sincerely yours,

Winslow H. Ladue, Geologist
Technical Services

WHL:ls

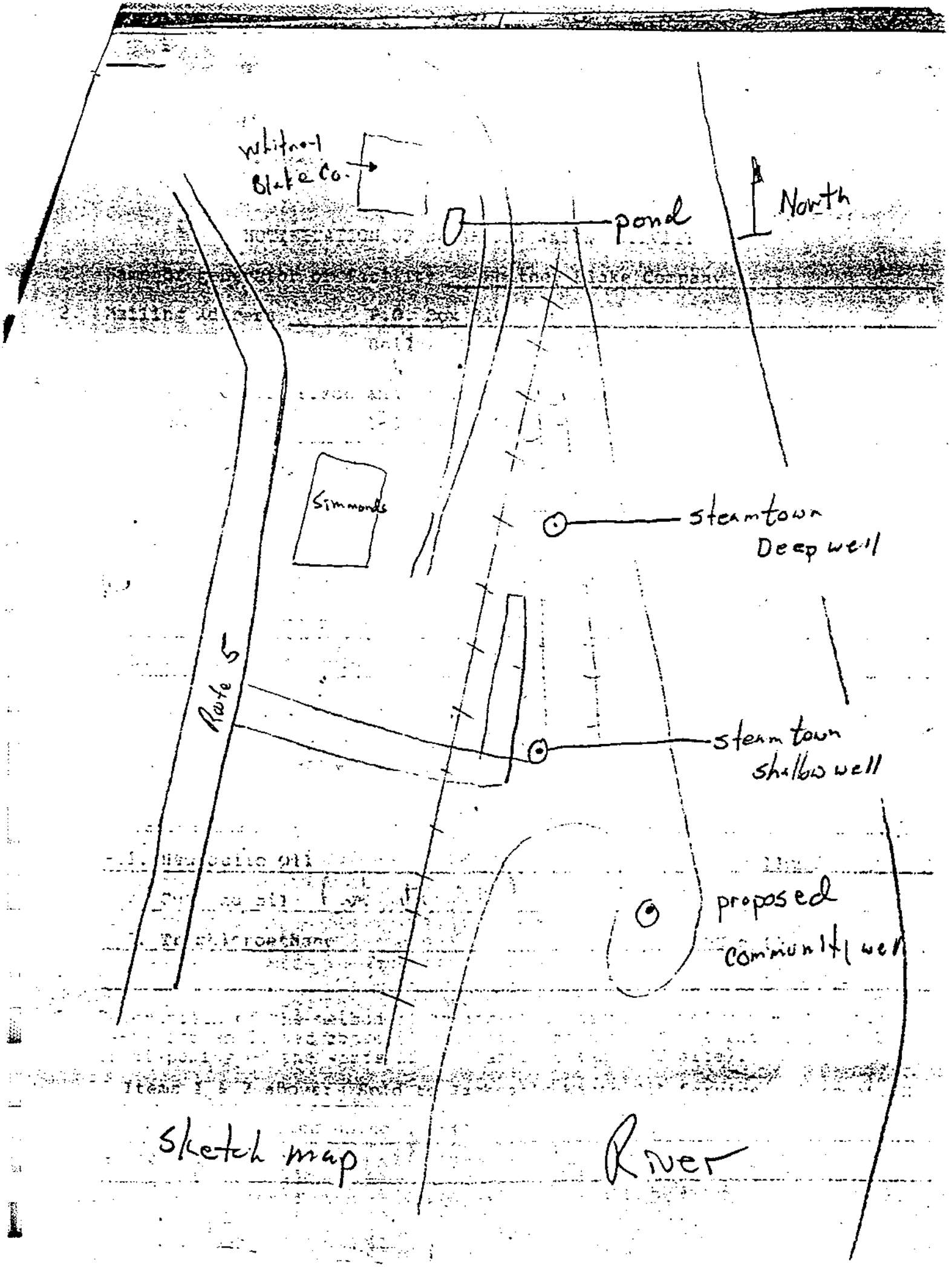
Enclosure 1

cc: Harold E. Sargent
Kenneth M. Stone, Dir. E.H.
Lawrence McAuliffe, Town Mgr.
Benson Sargent, A.E.C.

| | | Chromium | Nickel | Cadmium | 1,1,1, Tri-chloroethylane | Trichloroethane | Methylene Chloride | Benzene | Toluene | 1,1,2 Tri-chloroethane | Tetrachloro-ethylene | Chloroform | Unknown Compound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Whitney Blake, Pond | 10/21/81 | -- | .033 | -- | .027 | 0 | 0 | 0 | 0 | 0 | 0 | .014 | 0 |
| | 1/13/82 | -- | 0 | -- | .038 | Tr | 0 | 0 | 0 | 0 | .002 | 0 | 0 |
| | 8/6/82 | 0 | 0 | .0008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extrusion Water | 10/21/81 | -- | .015 | -- | 0 | 0 | Tr | 0 | 0 | 0 | 0 | 0 | 0 |
| Steamtown, Deep Well | 10/21/81 | -- | 0 | -- | .041 | .0009 | 0 | .0004 | .0004 | 0 | .0004 | .002 | 0 |
| | 8/6/82 | 0 | 0 | 0 | .046 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gift Shop | 10/21/81 | -- | 0 | -- | 0 | 0 | 0 | 0 | Tr | 0 | 0 | Tr | 0 |
| | 1/13/82 | -- | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2/8/82 | 0 | -- | .001 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| 2½ | 8/6/82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Abandoned 1½ | 8/6/82 | -- | -- | -- | .027 | .045 | Tr | .027 | 0 | .006 | 0 | 0 | 0 |
| Test Wells 1. | 1/13/82 | .053 | -- | .002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 8/6/82 | .017 | .028 | .004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | 8/6/82 | 0 | 0 | 0 | .007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | 8/6/82 | 0 | .014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1B | 8/6/82 | 0 | 0 | .0009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102B | 8/31/82 | -- | 0 | 0 | 0 | 0 | 0 | .106 | 0 | 0 | 0 | 0 | 0 |
| onnecticut River | 1/13/82 | -- | 0 | -- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8/6/82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Tr |
| SAFE LEVELS (See Key Above) | | .05 A | .013 B | .05 A | 1 C | .075 D | .15 D | | .00066 B | .00094 B | .020 D | .00019 B | -- -- |

**Key:**

- -- Not Analyzed
- Tr Trace
- A EPA Maximum Contaminant Level
- B EPA Water Quality Criteria
- C 10 Day SNARL
- D Long-term SNARL


Whitney Blake Co.
pond
North
Simmonds
steamtown Deep well
Rte 5
steam town shallow well
proposed community well
River

Sketch map