

**Site Inspection Report
For
Unified Data Products
(Former)**

Grafton, Vermont

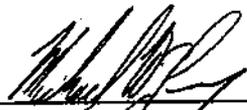
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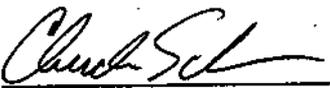
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1. Introduction

The Hazardous Materials Management Division (HMMD), Vermont Department of Environmental Conservation (DEC), conducted a Site Investigation (SI) at the Former Unified Data Products (TER Industries) located on Route 121 in Grafton, Vermont. The SI was conducted under a cooperative agreement with the Environmental Protection Agency (EPA). In October 1988, the HMMD completed a Preliminary Assessment (PA) on this property. The PA concluded that a SI was warranted based on groundwater contamination.

This package follows guidelines developed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended, commonly known as Superfund. The SI does not necessarily fulfill the requirements of other Federal, State or local regulations. SI's are intended to provide a preliminary screening of sites to facilitate EPA's assignment of site priorities. They are limited in scope and are not intended to supersede more detailed investigations.

2. Site Description

2.1 Location

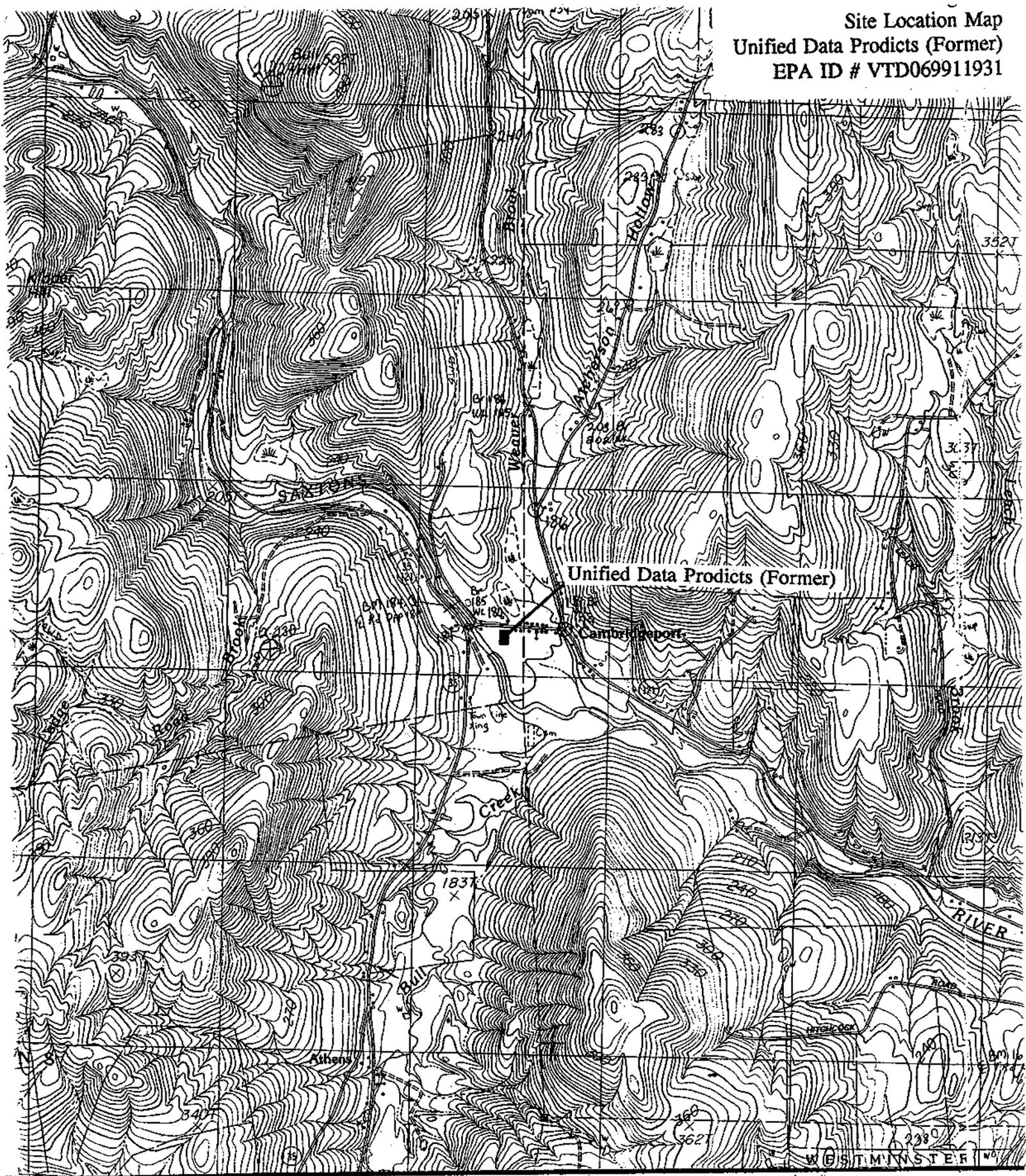
The Former Unified Data Products facility is located on the southern side of Route 121 in the town of Grafton, Windham County, Vermont (Figure 1). The geographic coordinates are $44^{\circ} 09' 02''$ north latitude and $072^{\circ} 33' 37''$ west longitude. The elevation of the facility is approximately 183 meters (600 feet) above mean sea level (1). No other CERCLIS sites are located within a one mile radius of the site (2).

2.2 Site Description

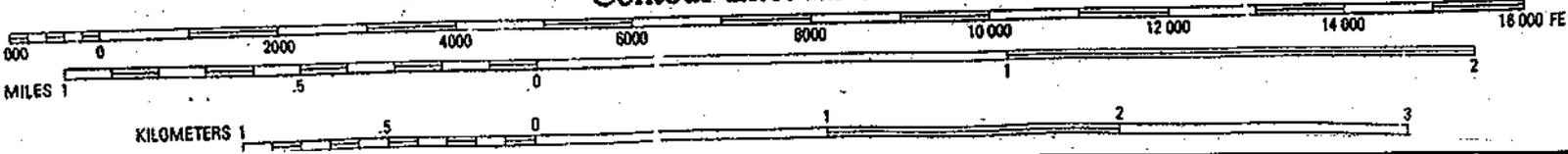
The property encompasses approximately 8.5 acres. The only structure on the property is a $148' \times 358'$, 53,000 square foot (ft^2) industrial/commercial building with paved and gravel parking areas. The original building, built in 1965, was expanded in 1974 and in 1978. The building is served by an on-site septic and leach field and water supply well. Adjacent land use is rural residential. The property is bounded to the north by Route 121, the east and west by private residences, and the south by open field and woodland. The Saxtons River forms the southwestern portion of the property boundary. Topography of the property is generally level with a slight grade towards the Saxtons River (1).

2.3 Operational History and Waste Characteristics

The property has been used for commercial/industrial purposes since 1965. Prior to 1965 the property was used for agricultural purposes. In 1965, Unified Data Products, a subsidiary of TER Industries, purchased the property and constructed a $19,240 \text{ ft}^2$ industrial/commercial structure. In 1974, an $18,944 \text{ ft}^2$ addition was constructed. The building was expanded again



Scale 1:25,000
Contour Interval 6 Meters



in 1978 when approximately 14,800 ft² was added. The building and associated parking areas occupy approximately two of the eight acres. The remaining six acres are vegetated with grass and trees/shrubs.

Unified Data Products was a specialty printing company that produced continuous business forms for computers. In 1988, the company employed 110 people and operated 12 to 14 printing presses and two collating machines. There was also a small machine shop and a fire proof solvent storage room which was used to store flammable materials used in the printing process (3, 4).

Wastes generated by Unified Data included inks, batteries, solvents, and oils. Waste inks and solvent rags were disposed of through Standard Uniforms. Unused inks were returned for credit towards future purchases. Dead batteries from fork lifts were traded in for new batteries. "Autowash" was the solvent used to clean the presses as well as in a parts cleaner in the machine shop. Waste autowash generated during cleaning of the presses was adsorbed onto rags which were provided and disposed of through Standard Uniform. Autowash used in the machine shop parts cleaner evaporated. Autowash contained 40%-60% aromatic hydrocarbons, 40%-60% aliphatic hydrocarbons and 2%-8% polyglycol ether EB. Approximately two or three drums of waste gear, transmission oil and motor oil was generated each year. This oil was stored in 55 gallon drums. The disposed method for the oils could not be determined (3, 4).

These materials were stored in the fire proof solvent room. During a RCRA inspection in July 1988, spillage from the oil and solvent drums ran into a floor drain and into a underground storage tank (UST). Oil was noted leaking from an oil tank spigot and on the floor around the floor drain. It was stated that material in the tank had never been removed and that it was believed to evaporate out the stand pipe. The quantity of solvents/oil that went into the UST could not be determined. An area of stained soils was noted on the west side of the building. Oil was noted dripping from a small pipe protruding from the building. The leak was believed to be from a malfunctioning compressor inside the building (3, 4).

Based on the findings of the inspection, Unified Data was requested to hire an environmental consultant to investigate the stained soils and remove the UST. In 1988, preliminary excavations were undertaken to attempt to locate the UST to determine the quantity of material in the UST. The suspect UST was not located during the excavation. The floor drain terminus was located and it appeared the floor drain discharged directly to the subsurface soils. Soils in the vicinity of the pipe contained a solvent odor (5).

Due to the apparent discharge to subsurface soils, additional investigation was undertaken. The additional investigation commenced in August 1988 and included the installation and sampling of six monitor wells, sampling of three private water supply wells, the Unified Data well and three Saxtons River (upstream, adjacent, downstream) surface water samples. All samples were analyzed for benzene, toluene, ethylbenzene, xylenes, other aromatic hydrocarbons as o-xylene and aliphatic hydrocarbons as hexane. All samples were below detection limits except samples from monitor well MW-2. Two samples from MW-2 identified

xylene, aromatic hydrocarbons and aliphatic carbons. Analytical results are included in Table 1 (5).

Table 1 Former Unified Data Analytical Results October 1988						
	Benzene	Toluene	Ethylbenzene	Xylenes	Aromatic Hydrocarbons	Aliphatic Hydrocarbons
MW-1	BDL	BDL	BDL	BDL	BDL	BDL
MW-2A	BDL	BDL	BDL	290	6,500	61
MW-2B (Dup)	BDL	BDL	BDL	210	4,600	40
MW-3	BDL	BDL	BDL	BDL	BDL	BDL
MW-4	BDL	BDL	BDL	BDL	BDL	BDL
MW-5	BDL	BDL	BDL	BDL	BDL	BDL
MW-6	BDL	BDL	BDL	BDL	BDL	BDL
Unified Well	BDL	BDL	BDL	BDL	BDL	BDL
Molette Well	BDL	BDL	BDL	BDL	BDL	BDL
Whitcomb Well	BDL	BDL	BDL	BDL	BDL	BDL
Upstream	BDL	BDL	BDL	BDL	BDL	BDL
Midstream	BDL	BDL	BDL	BDL	BDL	BDL
Downstream	BDL	BDL	BDL	BDL	BDL	BDL

Results Expressed in micrograms per liter ($\mu\text{g/l}$) or parts per billion (ppb)
BDL-Below Detection Limits

Additional groundwater monitoring has occurred at the site. Groundwater samples were collected in November 1991, November 1992, April 1993, October 1993 and October 1994. Compounds detected during these sampling events includes acetone, toluene, ethylbenzene, xylenes, tetrachloroethylene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA). These compounds were detected only in the samples collected from monitor well MW-2. Analytical results for samples collected from MW-2 are included in Table 2 (6, 7, 8, 9).

In 1988, Unified Data declared bankruptcy and ownership of the property reverted to TER Industries. In 1989, Vermont Computer Forms leased the building. Vermont Computer Forms was a printing company leased the building until July 1991. The property has been vacant since Vermont Computer Forms ceased operations in 1991, and is currently for sale.

Table 2 Former Unified Data Products Analytical Results Samples from MW-2 1991-1994					
Compound	11/20/91	11/19/92	04/16/93	10/05/93	10/06/94
Benzene	BDL	BDL	BDL	BDL	BDL
Toluene	9.72	BDL	BDL	<4	BDL
Ethylbenzene	10.0	BDL	BDL	3.2	BDL
Xylenes	174	180	67.8	433	260
Acetone	BDL	BDL	119	BDL	BDL
Tetrachloroethylene	96.7	90.0	144	190	187
1,1,1-Trichloroethane	42.9	BDL	56.8	64.4	77.0

Results Expressed in micrograms/liter ($\mu\text{g/l}$) or ppb
 BDL-Below Detection Limits

3. Waste/Source Sampling

3.1 Sample Locations

On April 27, 1995, HMMD personnel collected environmental samples for this SI. Sample locations, media sampled and analytical parameters are summarized in Table 3. Sample locations are illustrated on Figure 2. Environmental media sampled include three sediment samples, six groundwater samples, two private drinking water supplies and two soil samples (4). Quality assurance/quality control (QA/QC) samples included one equipment blank and one trip blank. Analytical parameters included priority pollutant metals (inorganics), semivolatile organics (SVOCs) by EPA Method 8270 and volatile organic compounds (VOCs) by EPA Method 8260.

3.2 Analytical Results

VOCs detected in groundwater include PCE, 1,1,1-TCA and xylenes. These compounds were detected in the sample collected from monitor well MW-2. All three compounds were detected at concentrations exceeding three times (3x) the background concentration. Inorganics were not identified in any groundwater samples above detection limits. VOC and inorganic analytical results are presented in Tables 6 and Table 7 respectively.

Analysis of the private water supply samples did not detect VOCs or inorganic compounds above detection limits. Drinking water results are presented in Table 8.

VOCs were not identified above detection limits in any sediment or soil samples. Zinc was the only inorganic identified in the sediment samples and did not exceed 3x background concentrations. SVOCs were not identified above detection limits in either of the soil samples.

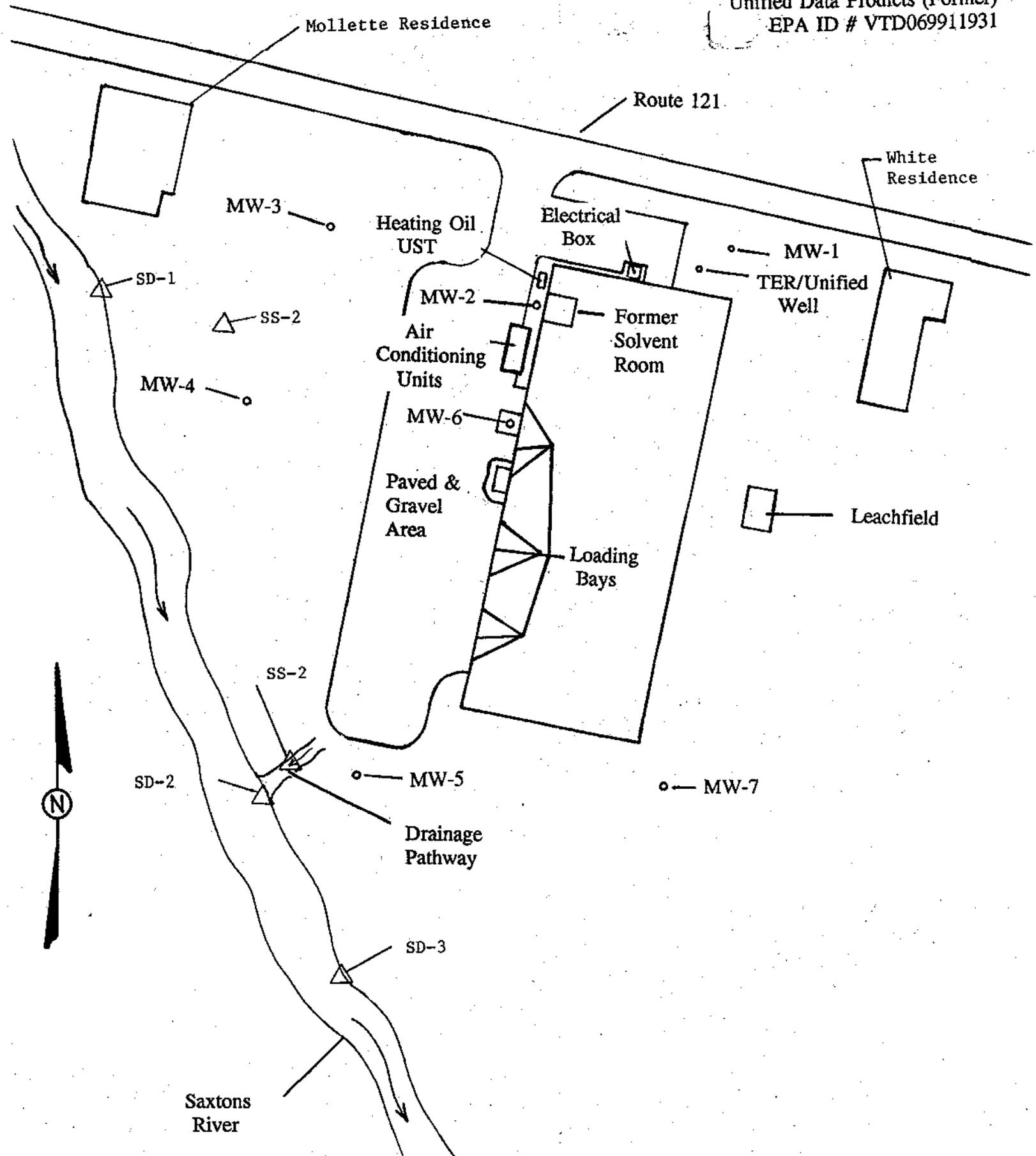
Fluoranthene and pyrene were reported to be present but at a concentration <400 ppb in sediment sample SD-2 (below the detection limit of 400 ppb).

3.3 Conclusions

Environmental media sampled include soil (2), Saxtons River sediments (3), groundwater (6) and private water supplies (2). Three VOCs were detected in groundwater collected from monitor well MW-2 at concentrations greater than 3x background. VOCs were not identified above detection limits in any sediment or soil samples. SVOCs were not identified above detection limits in soil samples. Fluoranthene and pyrene were reported to be present but not quantifiable in sediment sample SD-2 (below the method detection limit of 400 ppb). Zinc was the identified in all three sediment samples. The concentrations of zinc in the downstream samples (SD-2, SD-3) did not exceeded 3x the background concentration (SD-1).

Table 3 Unified Data Products (Former) Sample Location Data			
Sample	Media	Parameter	Location
SS-1	Soil	VOC, SVOC Inorganics	Shallow Sample (0-2' BGS) Overland Flow
SS-2	Soil	VOC, SVOC Inorganics	Background
SD-1	Sediment	VOC's, SVOC's Inorganics	Saxtons River Background
SD-2	Sediment	VOC's, SVOC's Inorganics	Saxtons River Adjacent
SD-3	Sediment	VOC's, SVOC's Inorganics	Saxtons River Down
MW-1	Aqueous	VOC's, Inorganics	Background
MW-2	Aqueous	VOC's, Inorganics	Former Disposal Area
MW-3	Aqueous	VOC's, Inorganics	Downgradient Monitor Well
MW-5	Aqueous	VOC's, Inorganics	Downgradient Monitor Well
MW-6	Aqueous	VOC's, Inorganics	Downgradient Monitor Well
MW-7	Aqueous	VOC's, Inorganics	Downgradient Monitor Well
Mollette Well	Aqueous	VOC's, Inorganics	Adjacent Residence
White Well	Aqueous	VOC's, Inorganics	Adjacent Residence
Equipment Blank	Aqueous	VOC's	QA/QC
Trip Blank	Aqueous	VOC's	QA/QC

Figure 2
Site Sketch
Unified Data Products (Former)
EPA ID # VTD069911931



Not To Scale

4. Ground Water Pathway

4.1 Hydrogeology

Grafton is physiographically located in the New England Upland section of the Vermont Piedmont. The New England Upland is a plateau like region that has been dissected by streams and crossed by several glaciers. Topography is irregular and rugged (10).

The facility is located along the contact of the Barnard and Moretown Members of the Missisquoi Formation. The Barnard Member is characterized by interbedded gneiss and amphibolite. The Moretown Member is characterized by undifferentiated schists and phyllites (11). The Well Completion Report for the Unified Data well indicates the depth to bedrock to be 96 feet (12).

The site is underlain by thick deposits of coarse grained stratified glacial drift. This type of material provides excellent groundwater potential with wells yielding sufficient quantities of water to meet municipal and industrial requirements (13). Surficial material is mapped as glacialfluvial outwash with the possibility of a thin veneer of post glacial alluvium.

Monitor well installation logs for monitor wells installed in the upper 15 feet of surficial material indicate three predominant subsurface conditions. Surficial material generally consists of medium sands and gravels (surface to 3.5' below ground surface (BGS)), medium sand (3.5'-5.0' BGS) and boulders with some sand and silt (5.0'-15' BGS) (5).

The soil mapped on the property include Quonset and Warwick soils with a 2%-8% slope and Ondawa and Podunk fine sandy loam. These soils are well to excessively drained and have rapid to very rapid permeability in the subsoil and substratum and a low water capacity. Ondawa and Podunk soils are well drained soils found on flood plains. Permeability is moderately rapid in the subsoil and moderately rapid to rapid in the substratum. These soils have a high water capacity (15).

It appears that groundwater flow through the property is generally towards the southeast, parallel to the Saxtons River. Groundwater has been calculated to flow through the site with a gradient of 0.008 to 0.11 feet per foot (5).

4.2 Targets

Residents in the vicinity of the property rely on individual drilled or dug wells or springs for water. The nearest public water supply system is the Clark Water System located approximately 2.5 miles east-southeast of the site. The bedrock well supplies water to 40 individuals. The Kurn Hatten Girls School Water Supply System is located approximately 2.7 miles east-southeast of the site. The system serves 30 full time individuals and 30 seasonal (students) (16, 17). Public water systems within four miles of the site are listed in Table 4.

Table 4 Public Groundwater Supply Systems Within A Four Mile Radius of the Unified Data Products (Former)			
System Name	Source	Distance from Site	Population Served
Clark Water System	One Bedrock Well	2.5 Miles East	43
Kurn Hatten Girls School	One Bedrock Well	2.7 Miles East	30
Total Population Served			73

Approximately 2,449 individuals rely on private groundwater supplies. The approximate number of private groundwater users are listed in Table 5 (18, 19). The nearest private well is on the White property located approximately 100 feet east of the former drain pipe.

Table 5 Groundwater Users Within A Four Mile Radius of the Unified Data Products (Former)			
Radial Distance From Site	Population Served by Private Wells	Population Served by Public Wells	Total Population Served by Groundwater
0.00-0.25	82	0	82
0.25-0.50	44	0	44
0.50-1.00	101	0	101
1.00-2.00	214	0	214
2.00-3.00	1,376	73	1,449
3.00-4.00	632	0	632
Total Population Served			2,522

4.3 Sample Locations

Groundwater samples were collected from six monitor wells on the property. Monitor well MW-1 is considered to be representative of background conditions. Drinking water samples were collected from the White and Mollette residences. A trip blank and equipment blank were obtained for QA/QC purposes. Sample collection locations are illustrated on Figure 2.

4.4 Analytical Results

Groundwater samples were analyzed for VOCs by EPA Method 8260 and priority pollutant metals (dissolved). Drinking water samples were analyzed for VOCs and priority pollutant metals (total). PCE, 1,1,1-TCA and xylenes were identified in the groundwater

sample collected from monitor well MW-2. PCE was quantified at 99 ppb, 1,1,1-TCA at 22 ppb and xylenes at 122 ppb. All three VOCs were detected at concentrations greater than 3x background concentration (detection limit). Purge water from MW-2 exhibited sheens and an petroleum type odor. Total volatile hydrocarbons were quantified in MW-2 at an estimated concentration of 11,700 ppb. VOCs were not identified above analytical detection limits in groundwater samples collected from the remaining monitor wells nor were they detected in the equipment or trip blank. VOC analytical results and temperature and conductivity measurements are listed in Table 6. Individual laboratory analysis sheets are contained in Appendix B.

Analysis of groundwater samples for dissolved concentrations of inorganics did not identify any compounds above detection limits.

VOCs were not detected in either the White or Mollette drinking water supplies. Analysis of the water samples for total concentration of inorganics did not identify any compounds above detection limits.

<p style="text-align: center;">Table 6 Groundwater Analytical Results VOCs Unified Data Products (Former) April 1995</p>							
Compound	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Tetrachloroethene	BDL	99	BDL	NC	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	22	BDL	NC	BDL	BDL	BDL
Xylenes	BDL	122	BDL	NC	BDL	BDL	BDL
Total Volatile Hydrocarbons	BDL	11,700	BDL	BDL	BDL	BDL	BDL
Temperature (°C)	5.7	6.1	5.9	NC	5.3	7.0	6.4
Conductivity ($\mu\text{U}/\text{cm}^3$)	353	136	374	NC	162	410	251

Results Expressed in micrograms per liter ($\mu\text{g}/\text{l}$) or parts per billion (ppb)

BDL: Below Method Detection Limit

NC: Not Collected

Inorganic compounds were not identified above detection limits in any groundwater samples. Compounds and the detection limits/concentrations are listed in Table 7. The individual laboratory analysis sheets are in Appendix B.

Drinking water samples collected from the White and Mollette residence were analyzed for VOCs and inorganics (total). VOCs were not identified above detection limits in either the sample. Inorganics were not identified above detection limits. Analytical results are compiled in Table 8 and the individual laboratory analysis sheets are in Appendix B.

4.5 Conclusions

Residents of Grafton and nearby town residents rely on individual water supplies (drilled/dug wells, springs). Two PCWS relying on groundwater sources are located within three miles of the site. These systems supply water to approximately 73 individuals.

Approximately 2,449 people rely on private groundwater sources. Private residences' abut the east and west sides of the property.

Analysis of groundwater samples identified PCE (99 ppb), 1,1,1-TCA (22 ppb) and xylenes (122 ppb). These compounds were detected in the sample collected from monitor well MW-2. Total volatile hydrocarbon (TVH) concentration was estimated to be 11,700 ppb in the sample collected from MW-2. All three compounds were detected at concentrations greater than 3x the background concentration. Purge water from the MW-2 exhibited sheens as well as a petroleum odor.

Table 7 Groundwater Analytical Results Inorganics (Dissolved) Unified Data Products (Former)							
Compound	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Antimony	<10	<10	<10	NC	<10	<10	<10
Arsenic	<5	<5	<5	NC	<5	<5	<5
Beryllium	<1	<1	<1	NC	<1	<1	<1
Cadmium	<5	<5	<5	NC	<5	<5	<5
Chromium	<10	<10	<10	NC	<10	<10	<10
Copper	<50	<50	<50	NC	<50	<50	<50
Lead	<5	<5	<5	NC	<5	<5	<5
Mercury	<0.2	<0.2	<0.2	NC	<0.2	<0.2	<0.2
Nickel	<50	<50	<50	NC	<50	<50	<50
Selenium	<5	<5	<5	NC	<5	<5	<5
Silver	<5	<5	<5	NC	<5	<5	<5
Thallium	<2	<2	<2	NC	<2	<2	<2
Zinc	<50	<50	<50	NC	<50	<50	<50

Results Expressed in micrograms per liter (ug/l) or parts per billion (ppb)

NC: Not Collected

5. Surface Water Pathway

5.1 Hydrology

The Saxtons River is approximately 200 feet west-southwest of the former floor drain terminus. The river flows in a southeasterly direction. The river discharges into the Connecticut River approximately 8.5 miles downstream of the site. The Connecticut River flows in a southerly direction for remainder of the 15 mile in water segment.

The drainage area for the Saxtons River is approximately 72.2 mi² (20). The flow rate per square mile of drainage area varies from approximately 1.4 cfs to 1.8 cfs (21). Using the conservative value of 1.4 cfs, the annual mean flow rate for the Saxtons River is approximately 101 cfs.

The 51 year (1942-1993) mean annual flow for the Connecticut River, as measured at a USGS gaging station located at North Walpole, New Hampshire, approximately 0.25 miles upriver from the confluence of the Saxtons River and the Connecticut is 9,518 cfs (20).

The Saxtons and Connecticut Rivers are identified as Class "B" surface water. Class "B" waters are suitable for recreation, irrigation and agricultural uses, good fish habitat, good aesthetic value, acceptable for public water supply with filtration and disinfection. Portions of both rivers have been identified as Class "C" surface waters. Approximately one mile below the Saxtons River sewage treatment plant is a Class "C" surface water. Approximately 0.9 miles of the Connecticut River, below the Bellows Falls sewage treatment plant, are identified as Class "C" surface waters. Class "C" surface waters are suitable for recreational boating, irrigation of crops not used for consumption without cooking, habitat for wildlife and common food and game fishes indigenous to the region; and such industrial uses as are consistent with other class "C" uses (22).

Table 8 Drinking Water Analytical Results VOCs and Inorganics (Total) Unified Data Products (Former)		
Compound	White Well	Mollette Well
Antimony	< 5	< 5
Arsenic	< 5	< 5
Beryllium	< 1	< 1
Cadmium	< 5	< 5
Chromium	< 10	< 10
Copper	< 50	< 50
Lead	< 5	< 5
Mercury	< 0.2	< 0.2
Nickel	< 50	< 50
Selenium	< 5	< 5
Silver	< 5	< 5
Thallium	< 2	< 2
Zinc	< 50	< 50
Method 8260	BDL	BDL

Results expressed in micrograms per liter ($\mu\text{g/l}$) or parts per billion (ppb)
 BDL: Below detection limit for all compounds

The mean annual rainfall as measured at Bellows Falls, approximately 5.5 miles east of the site is approximately 40.5 inches and the average lake evaporation is approximately 24 inches (23, 24). This results in a net annual precipitation of 16.5 inches.

5.2 Targets

There are no surface water intakes for public water supplies located within the 15 mile downstream segment (16, 25).

Both the Saxtons and Connecticut Rivers are fisheries. The Saxtons River supports brook, rainbow and brown trout as well as atlantic salmon. The Connecticut River supports populations of pike, pickerel, bass and brown trout. The Connecticut River is also used for swimming and boating (1, 19, 26).

Federal or state endangered or threatened species have not been identified within the 15 mile downstream segment (27). Approximately 10 miles of wetland frontage is located within the 15 mile downstream limit. These wetlands are classified as palustrine of the forested and open water class (28).

5.3 Sample Locations

Three sediment (SD-1, SD-2, SD-3) samples were collected from the Saxtons River. Sediment samples were collected from the upper two inches of material. Sediment samples SD-1 is considered to be representative of background conditions. Sediment sample SD-2 was collected where the surface flow from the site discharges to the Saxtons River. Sediment sample SD-3 was collected downstream from the site. The sample locations are illustrated on Figure 2.

5.4 Analytical Results

Sediment samples were analyzed for VOCs, SVOCs and inorganics. Analytical results are compiled in Table 9. The individual laboratory analysis sheets are in Appendix B. VOCs were not identified above detection limits in any sediment samples. Pyrene and fluoranthene were detected, but not quantifiable, in sediment sample SD-2. The reported concentration (<400 ppb) was less than the detection limit of 400 ppb. Neither of these compounds were detected in the background sample (SD-1) which had a detection limit of 300 ppb. The only inorganic identified above detection limits was zinc. Zinc was detected in all three sediment samples. None of the reported concentrations exceeded 3x the background concentration.

5.5 Conclusions

The Saxtons River at its closest, flows within approximately 200 of the former floor drain terminus. No surface water intakes are located within the 15 mile downstream limit.

The Saxtons and Connecticut Rivers are classified as Class "B" surface water. Class "B" waters are suitable for recreation, irrigation and agricultural uses, good fish habitat, good aesthetic value, acceptable for public water supply with filtration and disinfection.

The mean annual flow rate for the Saxtons River, as calculated by the flow per square mile of drainage is approximately 101 cfs. The mean annual flow for the Connecticut River, as measured at a USGS gaging station located at North Walpole, New Hampshire, approximately 0.25 miles upriver from the confluence of the Saxtons River and the Connecticut is 9,518 cfs.

Approximately 10 miles of wetland frontage is located within the 15 mile downstream limit. The Saxtons River and Connecticut River are fisheries. The Saxtons River supports brook trout, brown trout and atlantic salmon. Sport fish common to the Connecticut River

include brown trout, bass, and pike. No endangered or threatened species have been identified within the 15 mile downstream limit. Both are used for swimming. The Connecticut is also used for boating.

Three sediment samples were collected from the Saxtons River. Zinc was detected in all sediment samples. Concentrations did not exceed 3x the background concentration. VOCs were not detected in any of the sediment samples. Two SVOCs (pyrene, fluoranthene) were detected in sample SD-2 at a concentration less than 400 ppb.

Table 9 Analytical Results Sediment & Soil Unified Data Products (Former)					
Compound	SD-1	SD-2	SD-3	SS-1	SS-2
Antimony	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Arsenic	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cadmium	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium	< 25	< 25	< 25	< 25	< 25
Copper	< 25	< 25	< 25	< 25	< 25
Lead	< 25	< 25	< 25	< 25	< 25
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	< 25	< 25	< 25	< 25	< 25
Selenium	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Silver	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	28	41	26	51	50
Method 8260	BDL	BDL	BDL	BDL	BDL
Method 8270	BDL	BDL*	BDL	BDL	BDL

Results Expressed in milligrams per kilogram (mg/kg) or parts per million (ppm)

Results in Dry Weight Concentrations

BDL: Below Method Detection Limits

* : Two compounds, fluoroanthene and pyrene detected but at concentrations less than the quantation limit of 400 ppb.

6. Soil Exposure and Air Pathways

6.1 Physical Conditions

A 53,000 ft² commercial/industrial building is located on the property (Figure 2). Paved/gravel parking areas are located to the north and west side of the building. Topography is generally level with a slight slope towards the Saxtons River. There are no barriers to entry (gates, fences) to the property.

6.2 Soil and Air Targets

There are no residents or workers at the facility. However, during Unified Data's operation, 110 workers were present at the facility (3, 4). No residents or day care facilities are present within 200 feet of observed areas of contamination. Access to the property is unrestricted. During the SI, children were observed playing on and around the property. Approximately 2,522 people reside within a four mile radius of the site (18, 19). Population per distance ring is presented in Table 10. Endangered or threatened species have not been identified within the four mile radius (28). The John J. Dorano State Forest is located between 3.1 and 4.0 miles north of the site.

6.3 Soil Sample Locations

Two soil samples were collected during the SI. Soil sample SS-1 was collected from the surface water drainage pathway at the southwest corner of the property. Soil sample SS-2 was a background sample. Soil samples to be analyzed for inorganics and SVOCs were composite samples collected from surface to two feet below ground surface. Samples to be analyzed for VOCs were discrete samples collected directly from the auger from the last auger of soil removed (approximately 2' BGS).

6.4 Soil Analytical Results

VOCs or SVOCs were not identified above detection limits in either sample. The only inorganic identified above detected limits was zinc. Zinc was detected in both soil samples. The level of zinc detected did not exceed 3x background concentrations. Soil sample analysis results are compiled in Table 9. Individual analysis sheets are in Appendix B.

6.5 Air Monitoring

Formal air monitoring was not conducted during the SI. A photoionization device (PID) was used to monitor ambient air during sample collection. No readings above background conditions (0 ppm) were noted.

6.6 Conclusions

There are no residents or employees present at the facility. When Unified Data Products was operational, it employed up to 110 people. Residence abut the east and property boundary. Approximately 2,522 people reside within a four mile radius of the site. Endangered, threatened or rare species are not located within a four mile radius of the site. The John J. Dorono State Forest is located between 3.1 and 4.0 miles north of the site.

Two soil samples were collected during the SI. Soil sample SS-1 was collected from the surface water drainage pathway at the southwest corner of the property. Soil sample SS-2 was a background sample. VOCs or SVOCs were not identified above detection limits in either sample. The only inorganic identified above detected limits was zinc. Zinc was detected in both soil samples. The level of zinc detected in SS-1 did not exceed 3x background concentrations.

**Table 10
Population Distribution
Within A Four Mile Radius
Unified Data Products (Former)**

Radial Distance From Site (Miles)	Town	Approximate Population	Subtotal
Onsite	Grafton	0	0
0.00-0.25	Grafton	37	82
	Rockingham	45	
0.25-0.50	Grafton	20	44
	Rockingham	22	
	Athens	2	
0.50-1.00	Grafton	25	101
	Rockingham	65	
	Athens	11	
1.00-2.00	Grafton	37	214
	Rockingham	125	
	Athens	50	
	Westminster	2	
2.00-3.00	Grafton	374	1,449
	Rockingham	831	
	Athens	149	
	Westminster	95	
3.00-4.00	Grafton	270	632
	Rockingham	214	
	Athens	63	
	Westminster	85	
Total			2,522

7. Summary and Conclusions

The property has been used for commercial/industrial purposes since 1965. Prior to 1965 the property was used for agricultural purposes. In 1965, Unified Data Products, a subsidiary of TER Industries, purchased the property and constructed a 14,800 ft² production facility. The structure was subsequently enlarged in 1974 and 1978 to its current size of 53,000 ft². The facility is served by an on-site water supply well and on-site sewage disposal system (septic and leachfield).

Unified Data Products were in operation from 1965 to 1988. They were a specialty printing company that produced continuous business forms for computers. In 1988, the company employed 110 people and operated 12 to 14 printing presses and two collating machines. There was also a small machine shop. There was also a fire proof solvent storage room which was used to store flammable materials used in the printing process.

Wastes generated by Unified Data included inks, batteries, solvents, and oils. Waste inks and solvent rags were disposed of through Standard Uniforms. Unused inks were returned for credit towards future purchases. Dead batteries from fork lifts were traded in for new batteries. "Autowash" was the solvent used to clean the presses as well as in a parts cleaner in the machine shop. Waste autowash generated during cleaning of the presses was adsorbed onto rags which

were provided and disposed of through Standard Uniform. Autowash used in the machine shop parts cleaner evaporated. Autowash contained 40%-60% aromatic hydrocarbons, 40%-60% aliphatic hydrocarbons and 2%-8% polyglycol ether EB. Approximately two or three drums of waste gear, transmission oil and motor oil was generated each year. This oil was stored in 55 gallon drums. The disposed method for the oils could not be determined.

These materials were stored in the fire proof solvent room. During a RCRA inspection in July 1988, spillage from the oil and solvent drums ran into a floor drain and into a underground storage tank (UST). Oil was noted leaking from an oil tank spigot and on the floor around the floor drain. It was stated that material in the tank had never been removed and that it was believed to evaporate out the stand pipe. The quantity of solvents/oil that went into the UST could not be determined. An area of stained soils was noted on the west side of the building. Oil was noted dripping from a small pipe protruding from the building. The leak was believed to be from a malfunctioning compressor inside the building.

Excavations conducted in an attempt to locate the UST and to determine the quantity of material in the UST did not locate the suspect UST. The floor drain terminus was located and consisted of a pipe discharging directly to the subsurface soils. Soils in the vicinity of the pipe contained a solvent odor.

Samples were collected from six monitor wells, two private water supplies, three Saxtons River (upstream, adjacent, downstream) sediment samples. All samples were analyzed for benzene, toluene, ethylbenzene, xylenes, other aromatic hydrocarbons as o-xylene and aliphatic hydrocarbons as hexane. All samples were below detection limits except samples from monitor well MW-2. Samples collected from MW-2 identified xylenes, PCE and aliphatic hydrocarbons. Subsequent sampling identified acetone, toluene, ethylbenzene, xylenes, PCE and 1,1,1-TCA. These compounds have been detected only in samples collected from monitor well MW-2.

Residents of Grafton and nearby town residents rely on individual water supplies (drilled/dug wells, springs). Two PCWS relying on groundwater sources are located within three miles of the site. These systems supply water to approximately 73 individuals. Approximately 2,449 people rely on private groundwater sources. The nearest private well is approximately 100 feet east of the site. VOCs and inorganic compounds were not detected in either of the drinking water supply samples.

Analysis of groundwater samples identified PCE (99 ppb), 1,1,1-TCA (22 ppb) and xylenes (122 ppb) in the sample collected from monitor well MW-2. Total volatile hydrocarbon (TVH) concentration was estimated to be 11,700 ppb. All compounds were detected at concentrations greater than 3 times (3x) the background concentration. Purge water from the MW-2 exhibited sheens and a petroleum odor. Inorganics were not identified above detection limits in any groundwater samples.

The Saxtons and Connecticut Rivers are classified as Class "B" surface water. Class "B" waters are suitable for recreation, irrigation and agricultural uses, good fish habitat, good aesthetic value, acceptable for public water supply with filtration and disinfection.

The annual mean flow rate for the Saxtons River as calculated by flow per square mile of drainage is approximately 101 cfs. The mean annual flow for the Connecticut River, as measured at a USGS gaging station located at North Walpole, New Hampshire, for the Connecticut is 9,518 cfs (20).

Approximately 10 miles of wetland frontage is located within the 15 mile downstream limit. The Saxtons River and Connecticut River are fisheries. The Saxtons River supports brook trout, brown trout and atlantic salmon. Sport fish common to the Connecticut River include brown trout, bass, and pike. No endangered or threatened species have been identified within the 15 mile downstream limit. The Saxtons River is also used for swimming while the Connecticut River is used for swimming and canoeing/boating.

Three sediment samples were collected from the Saxtons River. The only inorganic detected zinc. Zinc was detected in all three sediment samples. Concentrations did not exceed 3x the background concentration. VOCs were not detected in any sediment samples. Fluoroanthene and pyrene were detected but not quantifiable since they were present at a concentration less than 400 ppb (sample detection limit) in SD-2.

There are no permanent residents or employees on the property. When Unified Data Products was operational, it employed up to 110 people. Private residences' abut the eastern and western portions of the property. Access to the property is unrestricted. Approximately 2,522 people reside within a four mile radius of the site. Threatened, endangered or rare species have not been identified within a four mile radius of the site. The John J. Dorono State Forest is located between 3.1 and 4.0 miles north of the site. VOCs and SVOCs were not detected in soil samples. Zinc was detected in both samples. Zinc did not exceed 3x background concentration.

8. References

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USGS Topographic Maps

Saxtons River, Vermont, 7.5 x 15 Minute Quadrangle, Provisional Edition, 1:25,000, 1985.

Bellows Falls, Vermont - New Hampshire, 7.5 x 15 Minute Quadrangle, Provisional Edition, 1:25,000, 1985.

Townshend, Vermont. 7.5 x 15 Minute Quadrangle, Provisional Edition, 1:25,000, 1985.

Walpole, New Hampshire - Vermont, 7.5 x 15 Minute Quadrangle, Provisional Edition, 1:25,000, 1985.

Orthophotos

Map	Sheet Number	Scale
Cambridgeport	144072	1:5,000

Appendix A
Pre Site Investigation
Sample Data

Appendix B

**Site Investigation
Sample Data**



ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

ANALYTICAL REPORT

Lincoln Applied Geology
RD 1, Box 128-B
Bristol, VT 05443

Date: 11/8/88
Project No: 88400
ETR No: 15340
Sample(s) Received On: 10/14/88
Page 1 of 2

Attn: Mr. Steve LaRosa

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	90799	90800	90801	90802	90803	90804	90805	90806
Following Results are in µg/l								
Benzene	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes	<1	<1	<1	<1	<1	290	210	<1
Other Aromatic Hydrocarbons as o-Xylene	<10	<10	<10	<10	<10	6500	4600	<10
Aliphatic Hydrocarbons as Hexane	<10	<10	<10	<10	<10	61	40	<10

Lab No.

Sample Description

- 90799. Liquid sample labeled Unified, bailer blank, 10/14/88.
- 90800. Liquid sample labeled Unified, downstream, 10/14/88.
- 90801. Liquid sample labeled Unified, midstream, 10/14/88.
- 90802. Liquid sample labeled Unified, Molette, 10/14/88.
- 90803. Liquid sample labeled Unified, MW-1, 10/14/88.
- 90804. Liquid sample labeled Unified, MW-2A, 10/14/88.
- 90805. Liquid sample labeled Unified, MW-2B, 10/14/88.
- 90806. Liquid sample labeled Unified, MW-3, 10/14/88.

Submitted By:

R. Nelson Miller

Aquatec Inc.



aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

ANALYTICAL REPORT

Lincoln Applied Geology
RD 1, Box 128-B
Bristol, VT 05443

Attn: Mr. Steve LaRosa

Date: 11/8/88
Project No: 88400
ETR No: 15340
Sample(s) Received On: 10/14/88
Page 2 of 2

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	90807	90808	90809	90810	90811	90812	90813
Following Results are in µg/l							
Benzene	<1	<1	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1
Xylenes	<1	<1	<1	<1	<1	<1	<1
Other Aromatic Hydrocarbons as o-Xylene	<10	<10	<10	<10	<10	<10	<10
Aliphatic Hydrocarbons as Hexane	<10	<10	<10	<10	<10	<10	<10

Lab No.

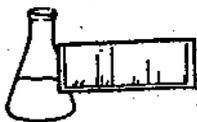
Sample Description

- 90807. Liquid sample labeled Unified, MW-4, 10/14/88.
- 90808. Liquid sample labeled Unified, MW-5A, 10/14/88.
- 90809. Liquid sample labeled Unified, MW-6A, 10/14/88.
- 90810. Liquid sample labeled Unified, upstream, 10/14/88.
- 90811. Liquid sample labeled Unified well.
- 90812. Liquid sample labeled Unified, Whitcomb well.
- 90813. Liquid sample labeled Unified, White.

Submitted By:

R. Mason Purcell

Aquatec Inc.



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8240

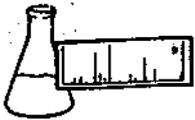
CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: MW2
REF.#: 26,163
TIME SAMPLED: 11:50

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND

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EPA METHOD 8240 (continued)

Ref.#: 26,163

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Ethyl Benzene	3	10.0
2-Hexanone	25	ND
4-Methyl-2-Pentanone	25	ND
Methylene Chloride	1	ND
Styrene	5	ND
1,1,2,2-Tetrachloroethane	3	ND
Tetrachloroethene	2	96.7
Toluene	2	9.72
1,1,1-Trichloroethane	2	43.9
1,1,2-Trichloroethane	2	ND
Trichloroethene	2	ND
Vinyl Acetate	50	ND
Vinyl Chloride	3	ND
Total Xylenes	5	174.
MTBE	5	ND
Trichlorofluoromethane	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 9

RECEIVED

NOTES:

1 None detected

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LABORATORY REPORT

EPA METHOD 8240

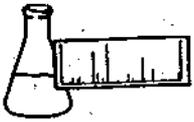
RECEIVED

APPLIED GEOLOGY

CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: MW5
REF.#: 26,161
TIME SAMPLED: 11:30

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND



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EPA METHOD 8240 (continued)

Ref.#: 26,161

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Ethyl Benzene	3	ND
2-Hexanone	25	ND
4-Methyl-2-Pentanone	25	ND
Methylene Chloride	1	ND
Styrene	5	ND
1,1,2,2-Tetrachloroethane	3	ND
Tetrachloroethene	2	ND
Toluene	2	ND
1,1,1-Trichloroethane	2	ND
1,1,2-Trichloroethane	2	ND
Trichloroethene	2	ND
Vinyl Acetate	50	ND
Vinyl Chloride	3	ND
Total Xylenes	5	ND
MTBE	5	ND
Trichloroflouromethane	2	ND

RECEIVED

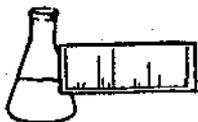
FORN APPLIED GEOLOGY, INC.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

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LABORATORY REPORT

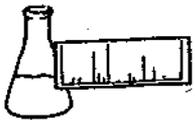
EPA METHOD 8240



CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: MW6
REF.#: 26,162
TIME SAMPLED: 11:40

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

EPA METHOD 8240 (continued)

Ref.#: 26,162

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Ethyl Benzene	3	ND
2-Hexanone	25	ND
4-Methyl-2-Pentanone	25	ND
Methylene Chloride	1	ND
Styrene	5	ND
1,1,2,2-Tetrachloroethane	3	ND
Tetrachloroethene	2	ND
Toluene	2	ND
1,1,1-Trichloroethane	2	ND
1,1,2-Trichloroethane	2	ND
Trichloroethene	2	ND
Vinyl Acetate	50	ND
Vinyl Chloride	3	ND
Total Xylenes	5	ND
MTBE	5	ND
Trichloroflouromethane	2	ND

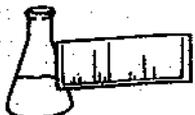
APPLIED GEOLOGY, INC.

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

- 1 None detected

Reviewed by



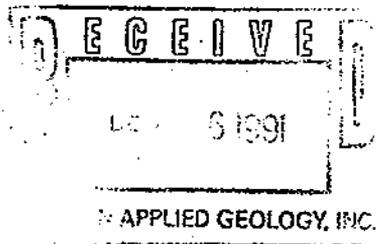
ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

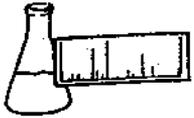
EPA METHOD 8240



CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: MW7
REF.#: 26,160
TIME SAMPLED: 11:15

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND



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EPA METHOD 8240 (continued)

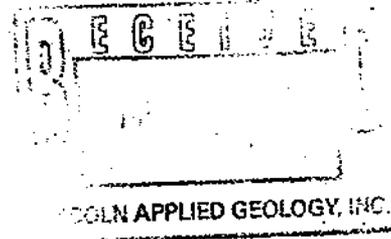
Ref.#: 26,160

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Ethyl Benzene	3	ND
2-Hexanone	25	ND
4-Methyl-2-Pentanone	25	ND
Methylene Chloride	1	ND
Styrene	5	ND
1,1,2,2-Tetrachloroethane	3	ND
Tetrachloroethene	2	ND
Toluene	2	ND
1,1,1-Trichloroethane	2	ND
1,1,2-Trichloroethane	2	ND
Trichloroethene	2	ND
Vinyl Acetate	50	ND
Vinyl Chloride	3	ND
Total Xylenes	5	ND
MTBE	5	ND
Trichloroflouromethane	2	ND

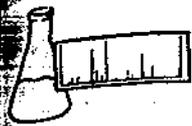
NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



Reviewed by _____



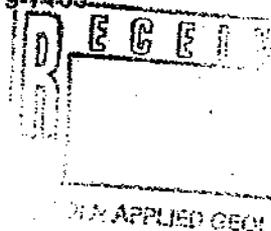
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LABORATORY REPORT

EPA METHOD 8240



CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: TER Well
REF.#: 26,164
TIME SAMPLED: 11:00

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND



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EPA METHOD 8240 (continued)

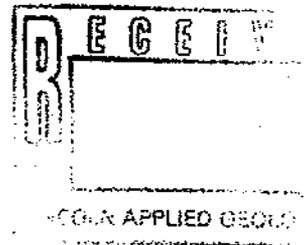
Ref.#: 26,164

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Ethyl Benzene	3	ND
2-Hexanone	25	ND
4-Methyl-2-Pentanone	25	ND
Methylene Chloride	1	ND
Styrene	5	ND
1,1,2,2-Tetrachloroethane	3	ND
Tetrachloroethene	2	ND
Toluene	2	ND
1,1,1-Trichloroethane	2	ND
1,1,2-Trichloroethane	2	ND
Trichloroethene	2	ND
Vinyl Acetate	50	ND
Vinyl Chloride	3	ND
Total Xylenes	5	ND
MTBE	5	ND
Trichlorofluoromethane	2	ND

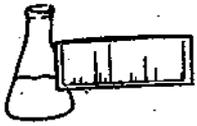
NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



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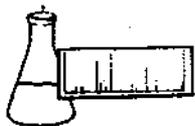
LABORATORY REPORT

EPA METHOD 8240

CLIENT: L.A.G.
PROJECT NAME: TER Industries
REPORT DATE: December 2, 1991
SAMPLER: Jim Holman
DATE SAMPLED: November 20, 1991
DATE RECEIVED: November 20, 1991

ANALYSIS DATE: November 21, 1991
STATION: White House Well
REF.#: 26,165
TIME SAMPLED: 10:00

<u>Parameter</u>	<u>Quantitation Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acetone	50	ND ¹
Benzene	2	ND
Bromodichloromethane	4	ND
Bromoform	1	ND
Bromomethane	2	ND
2-Butanone	50	ND
Carbon Disulfide	5	ND
Carbon Tetrachloride	2	ND
Chlorobenzene	1	ND
Chloroethane	1	ND
2-Chloroethylvinyl ether	10	ND
Chloroform	2	ND
Chloromethane	6	ND
Dibromochloromethane	2	ND
1,1-Dichloroethane	1	ND
1,2-Dichloroethane	1	ND
1,1-Dichloroethene	2	ND
trans-1,2-Dichloroethene	2	ND
1,2-Dichloropropane	1	ND
cis-1,3-Dichloropropene	2	ND
trans-1,3-Dichloropropene	3	ND
1,3 Dichlorobenzenes	2	ND
1,2 Dichlorobenzenes	2	ND
1,4 Dichlorobenzenes	2	ND



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LABORATORY REPORT

EPA 8010 -- PURGEABLE HALOCARBONS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 30, 1992
STATION: MW 7
REF.#: 38,792
TIME SAMPLED: 11:45

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Bromodichloromethane	1.	ND ¹
Bromoform	1.	ND
Bromomethane	2.	ND
Carbon tetrachloride	2.	ND
Chlorobenzene	1.	ND
Chloroethane	1.	ND
2-Chloroethylvinyl ether	5	ND
Chloroform	2.	ND
Chloromethane	3.	ND
Dibromochloromethane	1.	ND
1,2-Dichlorobenzene	1.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Dichlorodifluoromethane	5	ND
1,1-Dichloroethane	2.	ND
1,2-Dichloroethane	2.	ND
1,1-Dichloroethene	2.	ND
trans-1,2-Dichloroethene	1.	ND
1,2-Dichloropropane	2.	ND
cis-1,3-Dichloropropene	2.	ND
trans-1,3-Dichloropropene	1.	ND
Methylene Chloride	1.	ND
1,1,2,2-Tetrachloroethane	2.	ND
Tetrachloroethene	1.	ND
1,1,1-Trichloroethane	2.	ND
1,1,2-Trichloroethane	1.	ND
Trichloroethene	1.	ND
Trichlorofluoromethane	2.	ND
Vinyl Chloride	2.	ND

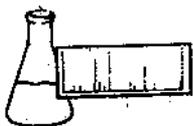
LINCOLN APPLIED GEOLOGY

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

Reviewed by: _____



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LABORATORY REPORT

EPA METHOD 8020 -- PURGEABLE AROMATICS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 30, 1992
STATION: MW 7
REF.#: 38,792
TIME SAMPLED: 11:45

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Benzene	1.	ND ¹
Chlorobenzene	2.	ND
1,2-Dichlorobenzene	2.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Ethylbenzene	1.	ND
Toluene	1.	ND
Xylenes	1.	ND
MTBE	1.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

LINCOLN APPLIED GEOLOGY

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LABORATORY REPORT

EPA 8010 -- PURGEABLE HALOCARBONS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATH1623
ANALYSIS DATE: November 30, 1992
STATION: MW 6
REF.#: 38,793
TIME SAMPLED: 12:02

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Bromodichloromethane	1.	ND ¹
Bromoform	1.	ND
Bromomethane	2.	ND
Carbon tetrachloride	2.	ND
Chlorobenzene	1.	ND
Chloroethane	1.	ND
2-Chloroethylvinyl ether	5	ND
Chloroform	2.	ND
Chloromethane	3.	ND
Dibromochloromethane	1.	ND
1,2-Dichlorobenzene	1.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Dichlorodifluoromethane	5	ND
1,1-Dichloroethane	2.	ND
1,2-Dichloroethane	2.	ND
1,1-Dichloroethene	2.	ND
trans-1,2-Dichloroethene	1.	ND
1,2-Dichloropropane	2.	ND
cis-1,3-Dichloropropene	2.	ND
trans-1,3-Dichloropropene	1.	ND
Methylene Chloride	1.	ND
1,1,2,2-Tetrachloroethane	2.	ND
Tetrachloroethene	1.	ND
1,1,1-Trichloroethane	2.	ND
1,1,2-Trichloroethane	1.	ND
Trichloroethene	1.	ND
Trichlorofluoromethane	2.	ND
Vinyl Chloride	2.	ND



NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

Reviewed by: _____



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LABORATORY REPORT

EPA METHOD 8020 -- PURGEABLE AROMATICS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 30, 1992
STATION: MW 6
REF.#: 38,793
TIME SAMPLED: 12:02

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Benzene	1.	ND ¹
Chlorobenzene	2.	ND
1,2-Dichlorobenzene	2.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Ethylbenzene	1.	ND
Toluene	1.	ND
Xylenes	1.	ND
MTBE	1.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

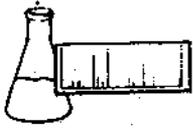
LINCOLN APPLIED GEOLOGY

NOTES:

1 None detected

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LABORATORY REPORT

EPA 8010 -- PURGEABLE HALOCARBONS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 30, 1992
STATION: MW 5
REF.#: 38,794
TIME SAMPLED: 12:17

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Bromodichloromethane	1.	ND ¹
Bromoform	1.	ND
Bromomethane	2.	ND
Carbon tetrachloride	2.	ND
Chlorobenzene	1.	ND
Chloroethane	1.	ND
2-Chloroethylvinyl ether	5	ND
Chloroform	2.	ND
Chloromethane	3.	ND
Dibromochloromethane	1.	ND
1,2-Dichlorobenzene	1.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Dichlorodifluoromethane	5	ND
1,1-Dichloroethane	2.	ND
1,2-Dichloroethane	2.	ND
1,1-Dichloroethene	2.	ND
trans-1,2-Dichloroethene	1.	ND
1,2-Dichloropropane	2.	ND
cis-1,3-Dichloropropene	2.	ND
trans-1,3-Dichloropropene	1.	ND
Methylene Chloride	1.	ND
1,1,2,2-Tetrachloroethane	2.	ND
Tetrachloroethene	1.	ND
1,1,1-Trichloroethane	2.	ND
1,1,2-Trichloroethane	1.	ND
Trichloroethene	1.	ND
Trichlorofluoromethane	2.	ND
Vinyl Chloride	2.	ND

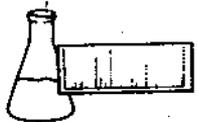
LINCOLN APPLIED GEOLOGY

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

Reviewed by: _____



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LABORATORY REPORT

EPA METHOD 8020 -- PURGEABLE AROMATICS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 30, 1992
STATION: MW 5
REF.#: 38,794
TIME SAMPLED: 12:17

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Benzene	1.	ND ¹
Chlorobenzene	2.	ND
1,2-Dichlorobenzene	2.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Ethylbenzene	1.	ND
Toluene	1.	ND
Xylenes	1.	ND
MTBE	1.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

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LABORATORY REPORT

EPA 8010 -- PURGEABLE HALOCARBONS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 29, 1992
STATION: MW 2
REF.#: 38,795
TIME SAMPLED: 12:28

<u>Parameter</u>	<u>Minimum Detection Limit²</u>	<u>Concentration (ug/L)</u>
Bromodichloromethane	20.	ND ¹
Bromoform	20.	ND
Bromomethane	40.	ND
Carbon tetrachloride	40.	ND
Chlorobenzene	20.	ND
Chloroethane	20.	ND
2-Chloroethylvinyl ether	100.	ND
Chloroform	40.	ND
Chloromethane	60.	ND
Dibromochloromethane	20.	ND
1,2-Dichlorobenzene	20.	ND
1,3-Dichlorobenzene	40.	ND
1,4-Dichlorobenzene	40.	ND
Dichlorodifluoromethane	100.	ND
1,1-Dichloroethane	40.	ND
1,2-Dichloroethane	40.	ND
1,1-Dichloroethene	40.	ND
trans-1,2-Dichloroethene	20.	ND
1,2-Dichloropropane	40.	ND
cis-1,3-Dichloropropene	40.	ND
trans-1,3-Dichloropropene	20.	ND
Methylene Chloride	20.	ND
1,1,2,2-Tetrachloroethane	40.	ND
Tetrachloroethene	20.	90.0
1,1,1-Trichloroethane	40.	ND
1,1,2-Trichloroethane	20.	ND
Trichloroethene	20.	ND
Trichlorofluoromethane	40.	ND
Vinyl Chloride	40.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

- 1 None detected
- 2 Detection limit raised due to high levels of contaminants. Sample run at 5% dilution.

Reviewed by: _____



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LABORATORY REPORT

EPA METHOD 8020 -- PURGEABLE AROMATICS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 39, 1992
STATION: MW 2
REF.#: 38,795
TIME SAMPLED: 12:28

<u>Parameter</u>	<u>Minimum Detection Limit²</u>	<u>Concentration (ug/L)</u>
Benzene	20.	ND ¹
Chlorobenzene	40.	ND
1,2-Dichlorobenzene	40.	ND
1,3-Dichlorobenzene	40.	ND
1,4-Dichlorobenzene	40.	ND
Ethylbenzene	20.	ND
Toluene	20.	ND
Xylenes	20.	180.
MTBE	20.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 9

NOTES:

- 1 None detected
- 2 Detection limit raised due to high levels of contaminants. Sample run at 5% dilution.

Reviewed by _____

Reviewed by: _____



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LABORATORY REPORT

EPA 8010 -- PURGEABLE HALOCARBONS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 27, 1992
STATION: TER Well
REF.#: 38,796
TIME SAMPLED: 12:35

<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Bromodichloromethane	1.	ND ¹
Bromoform	1.	ND
Bromomethane	2.	ND
Carbon tetrachloride	2.	ND
Chlorobenzene	1.	ND
Chloroethane	1.	ND
2-Chloroethylvinyl ether	5	ND
Chloroform	2.	ND
Chloromethane	3.	ND
Dibromochloromethane	1.	ND
1,2-Dichlorobenzene	1.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Dichlorodifluoromethane	5	ND
1,1-Dichloroethane	2.	ND
1,2-Dichloroethane	2.	ND
1,1-Dichloroethene	2.	ND
trans-1,2-Dichloroethene	1.	ND
1,2-Dichloropropane	2.	ND
cis-1,3-Dichloropropene	2.	ND
trans-1,3-Dichloropropene	1.	ND
Methylene Chloride	1.	ND
1,1,2,2-Tetrachloroethane	2.	ND
Tetrachloroethene	1.	ND
1,1,1-Trichloroethane	2.	ND
1,1,2-Trichloroethane	1.	ND
Trichloroethene	1.	ND
Trichlorofluoromethane	2.	ND
Vinyl Chloride	2.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

Reviewed by: _____



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LABORATORY REPORT

EPA METHOD 8020 -- PURGEABLE AROMATICS

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER Industries
REPORT DATE: December 11, 1992
SAMPLER: Jim Holman
DATE SAMPLED: November 19, 1992
DATE RECEIVED: November 19, 1992

PROJECT CODE: LATI1623
ANALYSIS DATE: November 27, 1992
STATION: TER Well
REF.#: 38,796
TIME SAMPLED: 12:35

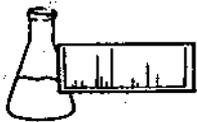
<u>Parameter</u>	<u>Minimum Detection Limit</u>	<u>Concentration (ug/L)</u>
Benzene	1.	ND ¹
Chlorobenzene	2.	ND
1,2-Dichlorobenzene	2.	ND
1,3-Dichlorobenzene	2.	ND
1,4-Dichlorobenzene	2.	ND
Ethylbenzene	1.	ND
Toluene	1.	ND
Xylenes	1.	ND
MTBE	1.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

Reviewed by _____



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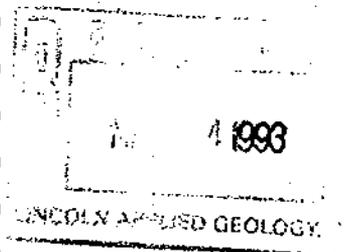
LABORATORY REPORT

EPA METHOD 8010/8020 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER IND
REPORT DATE: April 29, 1993
DATE SAMPLED: April 16, 1993
DATE RECEIVED: April 16, 1993
ANALYSIS DATE: April 26, 1993

PROJECT CODE: LACP1365
REF #: 44,639
STATION: Well
TIME SAMPLED: 10:59
SAMPLER: D. Gale

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND'
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND





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REF #: 44,639

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

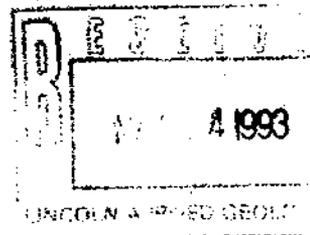
NUMBER OF UNIDENTIFIED PEAKS: 0

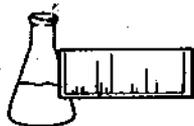
ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 118.%
Toluene-d8: 101.%
4-Bromofluorobenzene: 101.%

Notes:

1. None detected





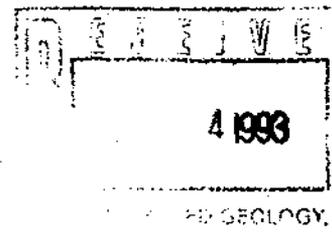
LABORATORY REPORT

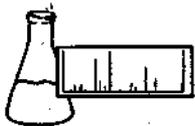
EPA METHOD 8010/8020 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER IND
REPORT DATE: April 29, 1993
DATE SAMPLED: April 16, 1993
DATE RECEIVED: April 16, 1993
ANALYSIS DATE: April 26, 1993

PROJECT CODE: LACP1365
REF #: 44,639A
STATION: MW 2
TIME SAMPLED: 11:22
SAMPLER: D. Gale

<u>Parameter</u>	<u>Detection Limit (ug/L)²</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	20	ND ¹
Chloromethane	20	ND
Vinyl Chloride	20	ND
Bromomethane	10	ND
Chloroethane	10	ND
Trichlorofluoromethane	4	ND
Acetone	100	119.
1,1-Dichloroethene	4	ND
Methylene Chloride	40	ND
Carbon Disulfide	2	ND
MTBE	6	ND
trans-1,2-Dichloroethene	4	ND
1,1-Dichloroethene	4	ND
2-Butanone	40	ND
Chloroform	20	ND
1,1,1-Trichloroethane	2	56.8
Carbon Tetrachloride	2	ND
1,2-Dichloroethene	2	ND
Benzene	2	ND
Trichloroethene	2	ND
1,2-Dichloropropane	2	ND
Bromodichloromethane	2	ND





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REF #: 44,639A

Laboratory Services

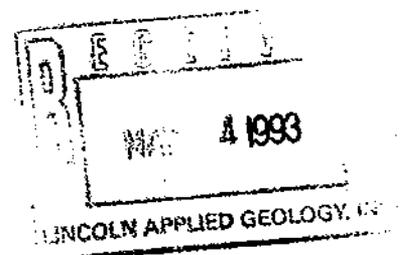
32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	20	ND
cis-1,3-Dichloropropene	2	ND
Toluene	4	ND
trans-1,2-Dichloropropene	2	ND
1,1,2-Trichloroethane	4	ND
2-Hexanone	20	ND
Tetrachloroethene	4	114.
Dibromochloromethane	4	ND
Chlorobenzene	4	ND
Ethyl Benzene	2	ND
Total Xylenes	6	67.8
Styrene	2	ND
Bromoform	10	ND
1,1,2,2-Tetrachloroethane	2	ND
1,3 Dichlorobenzene	4	ND
1,4 Dichlorobenzene	4	ND
1,2 Dichlorobenzene	4	ND

NUMBER OF UNIDENTIFIED PEAKS: 12

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 104.%
Toluene-d8: 105.%
4-Bromofluorobenzene: 98.%



Notes:

- 1 None detected
- 2 Detection limit raised due to high levels of contaminants. Sample run at 50.% dilution.

LABORATORY REPORTEPA METHOD 8010/8020 COMPOUNDS BY EPA METHOD 8240CLIENT: Lincoln Applied Geology
PROJECT NAME: TER IND
REPORT DATE: April 29, 1993
DATE SAMPLED: April 16, 1993
DATE RECEIVED: April 16, 1993
ANALYSIS DATE: April 26, 1993PROJECT CODE: LACP1365
REF #: 44,640
STATION: MW 5
TIME SAMPLED: 11:10
SAMPLER: D. Gale

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

1993

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REF #: 44,640

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 4

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 106.%
Toluene-d8: 100.%
4-Bromofluorobenzene: 103.%

Notes:

1 None detected





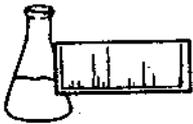
LABORATORY REPORT

EPA METHOD 8010/8020 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER IND
REPORT DATE: April 29, 1993
DATE SAMPLED: April 16, 1993
DATE RECEIVED: April 16, 1993
ANALYSIS DATE: April 26, 1993

PROJECT CODE: LACP1365
REF #: 44,641
STATION: MW 6
TIME SAMPLED: 11:16
SAMPLER: D. Gale

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



ENDYNE, INC.

REF #: 44,641

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

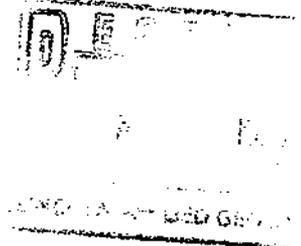
NUMBER OF UNIDENTIFIED PEAKS: 0

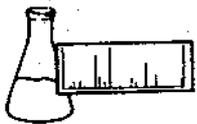
ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 106.%
Toluene-d8: 101.%
4-Bromofluorobenzene: 98.%

Notes:

1 None detected





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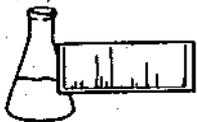
LABORATORY REPORT

EPA METHOD 8010/8020 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: TER IND
REPORT DATE: April 29, 1993
DATE SAMPLED: April 16, 1993
DATE RECEIVED: April 16, 1993
ANALYSIS DATE: April 26, 1993

PROJECT CODE: LACP1365
REF #: 44,642
STATION: MW 7
TIME SAMPLED: 11:07
SAMPLER: D. Gale

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



ENDYNE, INC.

REF #: 44,642

Laboratory Services

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 108.%
Toluene-d8: 98.%
4-Bromofluorobenzene: 101.%

Notes:

1 None detected

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1993



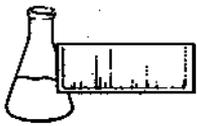
LABORATORY REPORT

EPA METHOD 8240 WATER MATRIX

CLIENT: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 22, 1993
DATE SAMPLED: October 5, 1993
DATE RECEIVED: October 5, 1993
ANALYSIS DATE: October 19, 1993
REVISED REPORT: November 30, 1993

PROJECT CODE: LATI1857
REF #: 52,283
STATION: MW-2
TIME SAMPLED: 1:10
SAMPLER: James Rabideau

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	20	ND ¹
Chloromethane	20	ND
Vinyl Chloride	20	ND
Bromomethane	10	ND
Chloroethane	10	ND
Trichlorofluoromethane	4	ND
Acetone	100	ND
1,1-Dichloroethene	4	ND
Methylene Chloride	40	ND
Carbon Disulfide	2	ND
MTBE	6	ND
trans-1,2-Dichloroethene	4	ND
1,1-Dichloroethane	4	ND
2-Butanone	40	ND
Chloroform	20	ND
1,1,1-Trichloroethane	2	64.4
Carbon Tetrachloride	2	ND
1,2-Dichloroethene	2	ND
Benzene	2	ND
Trichloroethene	2	ND
1,2-Dichloropropane	2	ND
Bromodichloromethane	2	ND



REF #: 52,283

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	20	ND
cis-1,3-Dichloropropene	2	ND
Toluene	4	TBQ ²
trans-1,3-Dichloropropene	2	ND
1,1,2-Trichloroethane	4	ND
2-Hexanone	20	ND
Tetrachloroethene	4	190.
Dibromochloromethane	4	ND
Chlorobenzene	4	ND
Ethyl Benzene	2	3.2
Total Xylenes	6	433.
Styrene	2	ND
Bromoform	10	ND
1,1,2,2-Tetrachloroethane	2	ND
1,3 Dichlorobenzene	4	ND
1,4 Dichlorobenzene	4	ND
1,2 Dichlorobenzene	4	ND

NUMBER OF UNIDENTIFIED PEAKS: 12

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 92.%
Toluene-d8: 91.%
4-Bromofluorobenzene: 104.%

Notes:

- 1 None detected
- 2 Trace below quantitation limit

APPLIED GEOL.

LABORATORY REPORTEPA METHOD 8240 WATER MATRIXCLIENT: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 22, 1993
DATE SAMPLED: October 5, 1993
DATE RECEIVED: October 5, 1993
ANALYSIS DATE: October 19, 1993PROJECT CODE: LATI1857
REF #: 52,284
STATION: MW-6
TIME SAMPLED: 1:05
SAMPLER: James Rabideau

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND'
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



REF #: 52,284

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,3-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

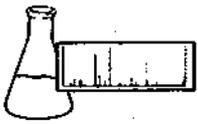
1,2-Dichloroethene-d4: 91.%
Toluene-d8: 93.%
4-Bromofluorobenzene: 102.%

Notes:

1 None detected

**LABORATORY REPORT****EPA METHOD 8240 WATER MATRIX**CLIENT: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 22, 1993
DATE SAMPLED: October 5, 1993
DATE RECEIVED: October 5, 1993
ANALYSIS DATE: October 19, 1993PROJECT CODE: LATI1857
REF #: 52,285
STATION: MW-5
TIME SAMPLED: 1:00
SAMPLER: James Rabideau

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



REF #: 52,285

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,3-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 106.%
Toluene-d8: 96.%
4-Bromofluorobenzene: 99.%

Notes:

1 None detected

LABORATORY REPORTEPA METHOD 8240 WATER MATRIXCLIENT: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 22, 1993
DATE SAMPLED: October 5, 1993
DATE RECEIVED: October 5, 1993
ANALYSIS DATE: October 19, 1993PROJECT CODE: LATI1857
REF #: 52,286
STATION: MW-7
TIME SAMPLED: 12:50
SAMPLER: James Rabideau

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



REF #: 52,286

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<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,3-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

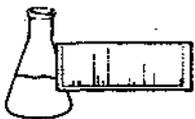
NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

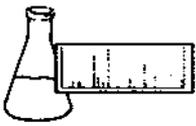
1,2-Dichloroethene-d4: 93.%
Toluene-d8: 91.%
4-Bromofluorobenzene: 116.%

Notes:

1 None detected

**LABORATORY REPORT****EPA METHOD 8240 WATER MATRIX**CLIENT: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 22, 1993
DATE SAMPLED: October 5, 1993
DATE RECEIVED: October 5, 1993
ANALYSIS DATE: October 19, 1993PROJECT CODE: LATI1857
REF #: 52,287
STATION: Ter Well
TIME SAMPLED: 12:40
SAMPLER: James Rabideau

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Dichlorodifluoromethane	10	ND ¹
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND



REF #: 52,287

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,3-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 94.%
Toluene-d8: 91.%
4-Bromofluorobenzene: 94.%

Notes:

1 None detected

LABORATORY REPORT

CLIENT NAME: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 23, 1994
DATE SAMPLED: October 6, 1994
DATE RECEIVED: October 7, 1994
ANALYSIS DATE: October 20, 1994



PROJECT CODE: not given
REF.#: 9962
STATION: MW-2
TIME SAMPLED: 12:26
SAMPLER: Jim Holman
SAMPLE TYPE: Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L
Benzene	20	BPQL
Bromobenzene	20	BPQL
Bromochloromethane	20	BPQL
Bromoform	20	BPQL
Bromomethane	20	BPQL
n-Butylbenzene	20	150
sec-Butylbenzene	20	BPQL
tert-Butylbenzene	20	211
Carbon tetrachloride	20	BPQL
Chlorobenzene	20	BPQL
Chloroethane	20	BPQL
Chloroform	20	BPQL
Chloromethane	20	BPQL
2-Chlorotoluene	20	BPQL
4-Chlorotoluene	20	BPQL
1,2-Dibromo-3-chloropropane	20	BPQL
Dibromochloromethane	20	BPQL
1,2-Dibromoethane	20	BPQL
Dibromomethane	20	BPQL
1,2-Dichlorobenzene	20	BPQL
1,3-Dichlorobenzene	20	BPQL
1,4-Dichlorobenzene	20	BPQL
Dichlorodifluoromethane	20	BPQL
1,1-Dichloroethane	20	BPQL
1,2-Dichloroethane	20	BPQL
1,1-Dichloroethylene	20	BPQL
cis-1,2-Dichloroethylene	20	BPQL
trans-1,2-Dichloroethylene	20	BPQL
1,2-Dichloropropane	20	BPQL
1,3-Dichloropropane	20	BPQL
2,2-Dichloropropane	20	BPQL
1,1-Dichloropropene	20	BPQL

PARAMETERS	PQL	µg/L
Ethylbenzene	20	BPQL
Hexachlorobutadiene	20	BPQL
Isopropylbenzene	20	69
p-Isopropyltoluene	20	27
Methylene Chloride	20	BPQL
Methyl-t-butyl ether	20	BPQL
Naphthalene	20	31
n-Propylbenzene	20	96
Styrene	20	BPQL
1,1,1,2-Tetrachloroethane	20	BPQL
1,1,2,2-Tetrachloroethane	20	BPQL
Tetrachloroethylene	20	187
Toluene	20	BPQL
1,2,3-Trichlorobenzene	20	BPQL
1,2,4-Trichlorobenzene	20	BPQL
1,1,1-Trichloroethane	20	77
1,1,2-Trichloroethane	20	BPQL
Trichloroethylene	20	BPQL
Trichlorofluoromethane	20	BPQL
1,2,3-Trichloropropane	20	BPQL
1,2,4-Trimethylbenzene	20	2070
1,3,5-Trimethylbenzene	20	2090
Vinyl Chloride	20	BPQL
o-Xylene	20	162
m+p-Xylene	40	98

Surrogate % Recovery 102%

BPQL = Below Practical
Quantitation Limit (PQL)

Concentration units = µg/L

OCT 24 1994

LABORATORY REPORT

24 1994

CLIENT NAME: Lincoln Applied Geology
 PROJECT NAME: Ter Industries
 REPORT DATE: October 23, 1994
 DATE SAMPLED: October 6, 1994
 DATE RECEIVED: October 7, 1994
 ANALYSIS DATE: October 19, 1994



PROJECT CODE: not given
 REF.#: 9962
 STATION: MW-5
 TIME SAMPLED: 11:40
 SAMPLER: Jim Holman
 SAMPLE TYPE: Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L
Benzene	1	BPQL
Bromobenzene	1	BPQL
Bromochloromethane	1	BPQL
Bromoform	1	BPQL
Bromomethane	1	BPQL
n-Butylbenzene	1	BPQL
sec-Butylbenzene	1	BPQL
tert-Butylbenzene	1	BPQL
Carbon tetrachloride	1	BPQL
Chlorobenzene	1	BPQL
Chloroethane	1	BPQL
Chloroform	1	BPQL
Chloromethane	1	BPQL
2-Chlorotoluene	1	BPQL
4-Chlorotoluene	1	BPQL
1,2-Dibromo-3-chloropropane	1	BPQL
Dibromochloromethane	1	BPQL
1,2-Dibromoethane	1	BPQL
Dibromomethane	1	BPQL
1,2-Dichlorobenzene	1	BPQL
1,3-Dichlorobenzene	1	BPQL
1,4-Dichlorobenzene	1	BPQL
Dichlorodifluoromethane	1	BPQL
1,1-Dichloroethane	1	BPQL
1,2-Dichloroethane	1	BPQL
1,1-Dichloroethylene	1	BPQL
cis-1,2-Dichloroethylene	1	BPQL
trans-1,2-Dichloroethylene	1	BPQL
1,2-Dichloropropane	1	BPQL
1,3-Dichloropropane	1	BPQL
2,2-Dichloropropane	1	BPQL
1,1-Dichloropropene	1	BPQL

PARAMETERS	PQL	µg/L
Ethylbenzene	1	BPQL
Hexachlorobutadiene	1	BPQL
Isopropylbenzene	1	BPQL
p-Isopropyltoluene	1	BPQL
Methylene Chloride	1	BPQL
Methyl-t-butyl ether	1	BPQL
Naphthalene	1	BPQL
n-Propylbenzene	1	BPQL
Styrene	1	BPQL
1,1,1,2-Tetrachloroethane	1	BPQL
1,1,2,2-Tetrachloroethane	1	BPQL
Tetrachloroethylene	1	BPQL
Toluene	1	BPQL
1,2,3-Trichlorobenzene	1	BPQL
1,2,4-Trichlorobenzene	1	BPQL
1,1,1-Trichloroethane	1	BPQL
1,1,2-Trichloroethane	1	BPQL
Trichloroethylene	1	BPQL
Trichlorofluoromethane	1	BPQL
1,2,3-Trichloropropane	1	BPQL
1,2,4-Trimethylbenzene	2	BPQL
1,3,5-Trimethylbenzene	1	BPQL
Vinyl Chloride	1	BPQL
o-Xylene	1	BPQL
m+p-Xylene	2	BPQL

Surrogate % Recovery 101%

BPQL = Below Practical
 Quantitation Limit (PQL)

Concentration units = µg/L

LABORATORY REPORT

OCT 24 1994

CLIENT NAME:	Lincoln Applied Geology		PROJECT CODE: not given
PROJECT NAME:	Ter Industries		REF.#: 9962
REPORT DATE:	October 23, 1994		STATION: MW-6
DATE SAMPLED:	October 6, 1994		TIME SAMPLED: 12:00
DATE RECEIVED:	October 7, 1994		SAMPLER: Jim Holman
ANALYSIS DATE:	October 19, 1994		SAMPLE TYPE: Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L	PARAMETERS	PQL	µg/L
Benzene	1	BPQL	Ethylbenzene	1	BPQL
Bromobenzene	1	BPQL	Hexachlorobutadiene	1	BPQL
Bromochloromethane	1	BPQL	Isopropylbenzene	1	BPQL
Bromoform	1	BPQL	p-Isopropyltoluene	1	BPQL
Bromomethane	1	BPQL	Methylene Chloride	1	BPQL
n-Butylbenzene	1	BPQL	Methyl-t-butyl ether	1	BPQL
sec-Butylbenzene	1	BPQL	Naphthalene	1	BPQL
tert-Butylbenzene	1	BPQL	n-Propylbenzene	1	BPQL
Carbon tetrachloride	1	BPQL	Styrene	1	BPQL
Chlorobenzene	1	BPQL	1,1,1,2-Tetrachloroethane	1	BPQL
Chloroethane	1	BPQL	1,1,2,2-Tetrachloroethane	1	BPQL
Chloroform	1	BPQL	Tetrachloroethylene	1	BPQL
Chloromethane	1	BPQL	Toluene	1	BPQL
2-Chlorotoluene	1	BPQL	1,2,3-Trichlorobenzene	1	BPQL
4-Chlorotoluene	1	BPQL	1,2,4-Trichlorobenzene	1	BPQL
1,2-Dibromo-3-chloropropane	1	BPQL	1,1,1-Trichloroethane	1	BPQL
Dibromochloromethane	1	BPQL	1,1,2-Trichloroethane	1	BPQL
1,2-Dibromoethane	1	BPQL	Trichloroethylene	1	BPQL
Dibromomethane	1	BPQL	Trichlorofluoromethane	1	BPQL
1,2-Dichlorobenzene	1	BPQL	1,2,3-Trichloropropane	1	BPQL
1,3-Dichlorobenzene	1	BPQL	1,2,4-Trimethylbenzene	1	BPQL
1,4-Dichlorobenzene	1	BPQL	1,3,5-Trimethylbenzene	1	BPQL
Dichlorodifluoromethane	1	BPQL	Vinyl Chloride	1	BPQL
1,1-Dichloroethane	1	BPQL	o-Xylene	1	BPQL
1,2-Dichloroethane	1	BPQL	m+p-Xylene	2	BPQL
1,1-Dichloroethylene	1	BPQL			
cis-1,2-Dichloroethylene	1	BPQL			
trans-1,2-Dichloroethylene	1	BPQL			
1,2-Dichloropropane	1	BPQL			
1,3-Dichloropropane	1	BPQL			
2,2-Dichloropropane	1	BPQL			
1,1-Dichloropropene	1	BPQL			
			Surrogate % Recovery	101%	
			BPQL = Below Practical		
			Quantitation Limit (PQL)		
			Concentration units = µg/L		

LABORATORY REPORT

OCT 24 1994

CLIENT NAME:	Lincoln Applied Geology		PROJECT CODE:	not given
PROJECT NAME:	Ter Industries		REF. #:	COLN APP 962 G.S.
REPORT DATE:	October 23, 1994		STATION:	MW-7
DATE SAMPLED:	October 6, 1994		TIME SAMPLED:	11:20
DATE RECEIVED:	October 7, 1994		SAMPLER:	Jim Holman
ANALYSIS DATE:	October 19, 1994		SAMPLE TYPE:	Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L	PARAMETERS	PQL	µg/L
Benzene	1	BPQL	Ethylbenzene	1	BPQL
Bromobenzene	1	BPQL	Hexachlorobutadiene	1	BPQL
Bromochloromethane	1	BPQL	Isopropylbenzene	1	BPQL
Bromoform	1	BPQL	p-Isopropyltoluene	1	BPQL
Bromomethane	1	BPQL	Methylene Chloride	1	BPQL
n-Butylbenzene	1	BPQL	Methyl-t-butyl ether	1	BPQL
sec-Butylbenzene	1	BPQL	Naphthalene	1	BPQL
tert-Butylbenzene	1	BPQL	n-Propylbenzene	1	BPQL
Carbon tetrachloride	1	BPQL	Styrene	1	BPQL
Chlorobenzene	1	BPQL	1,1,1,2-Tetrachloroethane	1	BPQL
Chloroethane	1	BPQL	1,1,2,2-Tetrachloroethane	1	BPQL
Chloroform	1	BPQL	Tetrachloroethylene	1	BPQL
Chloromethane	1	BPQL	Toluene	1	BPQL
2-Chlorotoluene	1	BPQL	1,2,3-Trichlorobenzene	1	BPQL
4-Chlorotoluene	1	BPQL	1,2,4-Trichlorobenzene	1	BPQL
1,2-Dibromo-3-chloropropane	1	BPQL	1,1,1-Trichloroethane	1	BPQL
Dibromochloromethane	1	BPQL	1,1,2-Trichloroethane	1	BPQL
1,2-Dibromoethane	1	BPQL	Trichloroethylene	1	BPQL
Dibromomethane	1	BPQL	Trichlorofluoromethane	1	BPQL
1,2-Dichlorobenzene	1	BPQL	1,2,3-Trichloropropane	1	BPQL
1,3-Dichlorobenzene	1	BPQL	1,2,4-Trimethylbenzene	1	BPQL
1,4-Dichlorobenzene	1	BPQL	1,3,5-Trimethylbenzene	1	BPQL
Dichlorodifluoromethane	1	BPQL	Vinyl Chloride	1	BPQL
1,1-Dichloroethane	1	BPQL	o-Xylene	1	BPQL
1,2-Dichloroethane	1	BPQL	m+p-Xylene	2	BPQL
1,1-Dichloroethylene	1	BPQL			
cis-1,2-Dichloroethylene	1	BPQL	Surrogate % Recovery	95%	
trans-1,2-Dichloroethylene	1	BPQL			
1,2-Dichloropropane	1	BPQL	BPQL = Below Practical		
1,3-Dichloropropane	1	BPQL	Quantitation Limit (PQL)		
2,2-Dichloropropane	1	BPQL			
1,1-Dichloropropene	1	BPQL	Concentration units = µg/L		

LABORATORY REPORT

CLIENT NAME: Lincoln Applied Geology
PROJECT NAME: Ter Industries
REPORT DATE: October 23, 1994
DATE SAMPLED: October 6, 1994
DATE RECEIVED: October 7, 1994
ANALYSIS DATE: October 19, 1994



PROJECT CODE: not given
REF.#: 9962
STATION: ~~AP-122 Well~~
TIME SAMPLED: 11:00
SAMPLER: Jim Holman
SAMPLE TYPE: Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L
Benzene	1	BPQL
Bromobenzene	1	BPQL
Bromochloromethane	1	BPQL
Bromoform	1	BPQL
Bromomethane	1	BPQL
n-Butylbenzene	1	BPQL
sec-Butylbenzene	1	BPQL
tert-Butylbenzene	1	BPQL
Carbon tetrachloride	1	BPQL
Chlorobenzene	1	BPQL
Chloroethane	1	BPQL
Chloroform	1	BPQL
Chloromethane	1	BPQL
2-Chlorotoluene	1	BPQL
4-Chlorotoluene	1	BPQL
1,2-Dibromo-3-chloropropane	1	BPQL
Dibromochloromethane	1	BPQL
1,2-Dibromoethane	1	BPQL
Dibromomethane	1	BPQL
1,2-Dichlorobenzene	1	BPQL
1,3-Dichlorobenzene	1	BPQL
1,4-Dichlorobenzene	1	BPQL
Dichlorodifluoromethane	1	BPQL
1,1-Dichloroethane	1	BPQL
1,2-Dichloroethane	1	BPQL
1,1-Dichloroethylene	1	BPQL
cis-1,2-Dichloroethylene	1	BPQL
trans-1,2-Dichloroethylene	1	BPQL
1,2-Dichloropropane	1	BPQL
1,3-Dichloropropane	1	BPQL
2,2-Dichloropropane	1	BPQL
1,1-Dichloropropene	1	BPQL

PARAMETERS	PQL	µg/L
Ethylbenzene	1	BPQL
Hexachlorobutadiene	1	BPQL
Isopropylbenzene	1	BPQL
p-Isopropyltoluene	1	BPQL
Methylene Chloride	1	BPQL
Methyl-t-butyl ether	1	BPQL
Naphthalene	1	BPQL
n-Propylbenzene	1	BPQL
Styrene	1	BPQL
1,1,1,2-Tetrachloroethane	1	BPQL
1,1,2,2-Tetrachloroethane	1	BPQL
Tetrachloroethylene	1	BPQL
Toluene	1	BPQL
1,2,3-Trichlorobenzene	1	BPQL
1,2,4-Trichlorobenzene	1	BPQL
1,1,1-Trichloroethane	1	BPQL
1,1,2-Trichloroethane	1	BPQL
Trichloroethylene	1	BPQL
Trichlorofluoromethane	1	BPQL
1,2,3-Trichloropropane	1	BPQL
1,2,4-Trimethylbenzene	1	BPQL
1,3,5-Trimethylbenzene	1	BPQL
Vinyl Chloride	1	BPQL
o-Xylene	1	BPQL
m+p-Xylene	2	BPQL

Surrogate % Recovery 101%

BPQL = Below Practical
Quantitation Limit (PQL)

Concentration units = µg/L

LABORATORY REPORT

OCT 27 1994

CLIENT NAME: Lincoln Applied Geology
 PROJECT NAME: Ter Industries
 REPORT DATE: October 23, 1994
 DATE SAMPLED: October 6, 1994
 DATE RECEIVED: October 7, 1994
 ANALYSIS DATE: October 18, 1994



PROJECT CODE: not given
 REF.#: 9962
 STATION: Trip Blank
 TIME SAMPLED: 08:00
 SAMPLER: Jim Holman
 SAMPLE TYPE: Water

EPA METHOD 8260

PARAMETERS	PQL	µg/L	PARAMETERS	PQL	µg/L
Benzene	1	BPQL	Ethylbenzene	1	BPQL
Bromobenzene	1	BPQL	Hexachlorobutadiene	1	BPQL
Bromochloromethane	1	BPQL	Isopropylbenzene	1	BPQL
Bromoform	1	BPQL	p-Isopropyltoluene	1	BPQL
Bromomethane	1	BPQL	Methylene Chloride	1	BPQL
n-Butylbenzene	1	BPQL	Methyl-t-butyl ether	1	BPQL
sec-Butylbenzene	1	BPQL	Naphthalene	1	BPQL
tert-Butylbenzene	1	BPQL	n-Propylbenzene	1	BPQL
Carbon tetrachloride	1	BPQL	Styrene	1	BPQL
Chlorobenzene	1	BPQL	1,1,1,2-Tetrachloroethane	1	BPQL
Chloroethane	1	BPQL	1,1,2,2-Tetrachloroethane	1	BPQL
Chloroform	1	BPQL	Tetrachloroethylene	1	BPQL
Chloromethane	1	BPQL	Toluene	1	BPQL
2-Chlorotoluene	1	BPQL	1,2,3-Trichlorobenzene	1	BPQL
4-Chlorotoluene	1	BPQL	1,2,4-Trichlorobenzene	1	BPQL
1,2-Dibromo-3-chloropropane	1	BPQL	1,1,1-Trichloroethane	1	BPQL
Dibromochloromethane	1	BPQL	1,1,2-Trichloroethane	1	BPQL
1,2-Dibromoethane	1	BPQL	Trichloroethylene	1	BPQL
Dibromomethane	1	BPQL	Trichlorofluoromethane	1	BPQL
1,2-Dichlorobenzene	1	BPQL	1,2,3-Trichloropropane	1	BPQL
1,3-Dichlorobenzene	1	BPQL	1,2,4-Trimethylbenzene	1	BPQL
1,4-Dichlorobenzene	1	BPQL	1,3,5-Trimethylbenzene	1	BPQL
Dichlorodifluoromethane	1	BPQL	Vinyl Chloride	1	BPQL
1,1-Dichloroethane	1	BPQL	o-Xylene	1	BPQL
1,2-Dichloroethane	1	BPQL	m+p-Xylene	2	BPQL
1,1-Dichloroethylene	1	BPQL			
cis-1,2-Dichloroethylene	1	BPQL			
trans-1,2-Dichloroethylene	1	BPQL			
1,2-Dichloropropane	1	BPQL			
1,3-Dichloropropane	1	BPQL			
2,2-Dichloropropane	1	BPQL			
1,1-Dichloropropene	1	BPQL			

Surrogate % Recovery 103%

BPQL = Below Practical
 Quantitation Limit (PQL)

Concentration units = µg/L

Appendix B
Site Investigation
Sample Data

5/18/95

Department of Environmental Conservation Laboratory
 Method 8260 - Volatile Organics in Water

GJD

Lab Id: 13881 Report To: M. YOUNG
 Location: MILLETTE

Phone: 241-3888 Date Collected: 4/27/95
 Program: 121 112 Chain of Custody? Yes

Notes:

Date Analyzed: 5/05/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 102% D8-Toluene 106% 4-Bromofluorobenzene . 96%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

MAY 19 1995

5/18/95

Department of Environmental Conservation Laboratory
Method 8260 - Volatile Organics in Water

Department of Environmental Conservation
GJD

Lab Id: 13880 Report To: M. YOUNG
Location: WHITE

Phone: 241-3888 Date Collected: 4/27/95
Program: 21-112-7 Chain of Custody? Yes

Notes:

Date Analyzed: 5/05/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 104% D8-Toluene 104% 4-Bromofluorobenzene . 98%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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Department of Environmental Conservation Laboratory
Method 8260 - Volatile Organics in Water

GJD

Lab Id: 13879 Report To: M. YOUNG
Location: MW-7

Phone: 241-3888 Date Collected: 4/27/95
Program: 1125 Chain of Custody? Yes

Notes:

Date Analyzed: 5/05/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 104% DB-Toluene 102% 4-Bromofluorobenzene . 96%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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Department of Environmental Conservation Laboratory Department of Environmental Conservation
Method 8260 - Volatile Organics in Water

MAY 19 1995
GJD

Lab Id: 13878 Report To: M. YOUNG
Location: MW-6

Phone: 241-3888 Date Collected: 4/27/95
Program: 212-112-5 Chain of Custody? Yes

Notes:

Date Analyzed: 5/05/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 106% D8-Toluene 102% 4-Bromofluorobenzene . 96%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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 Department of Environmental Conservation Laboratory
 Method 8260 - Volatile Organics in Water

MAY 19 1995

Department of Environment
GJD
 Lab Id: 13877 Report To: M. YOUNG
 Location: MW-5

 Phone: 241-3888 Date Collected: 4/27/95
 Program: 21, 112 Chain of Custody? Yes

Notes:

Date Analyzed: 5/04/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 96% D8-Toluene 96% 4-Bromofluorobenzene . 84%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

MAY 19 1995

5/18/95 Department of Environmental Conservation Laboratory Department of Environmental Conservation
Method 8260 - Volatile Organics in Water Method 8260 GJD

Lab Id: 13876 Report To: M. YOUNG Phone: 241-3888 Date Collected: 4/27/95
Location: MW-3 Program: 21 112 Chain of Custody? Yes

Notes:

Date Analyzed: 5/04/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 94% DB-Toluene 90% 4-Bromofluorobenzene . 82%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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Method 8260 - Volatile Organics in Water GJD

MAY 19 1995

Lab Id: 13875 Report To: M. YOUNG
Location: MW-2

Phone: 241-3888 Date Collected: 4/27/95
Program: 21: 112 Chain of Custody? Yes

Notes:

Date Analyzed: 5/04/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.				
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	22				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.				
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.				
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.				
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
tetrachloroethene	5	99				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.				
Ethylbenzene	5	N.D.				
Xylenes	5	122				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	11700	E			

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 104% D8-Toluene 102% 4-Bromofluorobenzene . 98%

Notes: Sample also contained compounds tentatively identified as C3 and C4 alkyl benzenes.

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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Department of Environmental Conservation Laboratory
Method 8260 - Volatile Organics in Water

MAY 19 1995
GJD

Lab Id: 13874 Report To: M. YOUNG
Location: MW-1

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Date Analyzed: 5/04/95 Over hold? No Dilution: 1

Parameter	Units are ug/l		Remark Code	Rel % Diff.	Spiked Dups ?	Percent Recovery
	PQL	Result				
Vinyl chloride	10	N.D.				
Chloromethane	10	N.D.				
Bromomethane	10	N.D.				
Chloroethane	10	N.D.				
Trichlorofluoromethane	10	N.D.				
Acetone	100	N.D.				
1,1-Dichloroethene	5	N.D.		1	Y	114
Carbon disulfide	100	N.D.				
Methylene chloride	5	N.D.				
Methyl-t-butylether (MTBE)	5	N.D.				
1,2-Dichloroethene	5	N.D.				
1,1-Dichloroethane	5	N.D.				
Vinyl acetate	50	N.D.				
2-Butanone	100	N.D.				
Chloroform	5	N.D.				
1,1,1-Trichloroethane	5	N.D.				
Carbon tetrachloride	5	N.D.				
Benzene	5	N.D.		1	Y	111
1,2-Dichloroethane	5	N.D.				
Trichloroethene	5	N.D.		0	Y	111
1,2-Dichloropropane	5	N.D.				
Bromodichloromethane	5	N.D.				
4-Methyl-2-pentanone	50	N.D.				
cis-1,2-Dichloropropene	5	N.D.				
Toluene	5	N.D.		1	Y	113
trans-1,3-Dichloropropene	5	N.D.				
1,1,2-Trichloroethane	5	N.D.				
2-Hexanone	50	N.D.				
Tetrachloroethene	5	N.D.				
Dibromochloromethane	5	N.D.				
Chlorobenzene	5	N.D.		1	Y	105
Ethylbenzene	5	N.D.				
Xylenes	5	N.D.				
Styrene	5	N.D.				
Bromoform	5	N.D.				
1,1,2,2-Tetrachloroethane	5	N.D.				
Total Volatile Hydrocarbons	100	N.D.				

Surrogate Percent Recoveries (S=Surrogate recovery out of range)

Dibromofluoromethane . 102% D8-Toluene 100% 4-Bromofluorobenzene . 86%

Notes:

Remarks: E=Estimated Value J=Value may be in Error O=Value outside Standard Curve

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Department of Environmental Conservation Laboratory
Analytical Results

GJD

Lab Id: 13880 Report To: M. YOUNG
Location: WHITE

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Recovery Dups ?	Recovery Percent
Antimony - Water	<	10.0					
Arsenic - Water	<	5.0					
Beryllium - Water	<	1.0					
Cadmium - Water	<	5.0					
Chromium - Water	<	10.0					
Copper - Water	<	50.0					
Lead - Water	<	5.0					
Mercury - Water	<	.2					
Nickel - Water	<	50.0					
Selenium - Water	<	5.0					
Silver - Water	<	5.0					
Thallium - Water	<	2.0					
Zinc - Water	<	50.0					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory
Analytical Results

MAY 19 1995

GJD

Lab Id: 13881 Report To: M. YOUNG
Location: MILLETTE

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Dups ?	Recovery Percent
Antimony - Water	<	10.0 ug/l					
Arsenic - Water	<	5.0 ug/l			2	Y	96
Beryllium - Water	<	1.0 ug/l					
Cadmium - Water	<	5.0 ug/l					
Chromium - Water	<	10.0 ug/l					
Copper - Water	<	50.0 ug/l					
Lead - Water	<	5.0 ug/l					
Mercury - Water	<	.2 ug/l			1	Y	104
Nickel - Water	<	50.0 ug/l					
Selenium - Water	<	5.0 ug/l			2	Y	81
Silver - Water	<	5.0 ug/l					
Thallium - Water	<	2.0 ug/l					
Zinc - Water	<	50.0 ug/l					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory
Analytical Results

GJD

Lab Id: 13879 Report To: M. YOUNG
Location: MW-7

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Dups ?	Recovery Percent
Antimony - Water	<	10.0 ug/l			0	Y	103
Arsenic - Water	<	5.0 ug/l					
Beryllium - Water	<	1.0 ug/l					
Cadmium - Water	<	5.0 ug/l					
Chromium - Water	<	10.0 ug/l					
Copper - Water	<	50.0 ug/l					
Lead - Water	<	5.0 ug/l					
Mercury - Water	<	.2 ug/l					
Nickel - Water	<	50.0 ug/l					
Selenium - Water	<	5.0 ug/l					
Silver - Water	<	5.0 ug/l					
Thallium - Water	<	2.0 ug/l					
Zinc - Water	<	50.0 ug/l					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory
Analytical Results

GJD

Lab Id: 13878 Report To: M. YOUNG
Location: MW-6Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Dups ?	Recovery Percent
Antimony - Water	<	10.0 ug/l					
Arsenic - Water	<	5.0 ug/l					
Beryllium - Water	<	1.0 ug/l					
Cadmium - Water	<	5.0 ug/l					
Chromium - Water	<	10.0 ug/l					
Copper - Water	<	50.0 ug/l			1	Y	99
Lead - Water	<	5.0 ug/l					
Mercury - Water	<	.2 ug/l					
Nickel - Water	<	50.0 ug/l			3	Y	97
Selenium - Water	<	5.0 ug/l					
Silver - Water	<	5.0 ug/l					
Thallium - Water	<	2.0 ug/l					
Zinc - Water	<	50.0 ug/l			1	Y	97

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory
Analytical Results

MAY 19 1995

GJD

Lab Id: 13877 Report To: M. YOUNG
Location: MW-5

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Recovery Dups ?	Recovery Percent
Antimony - Water	<	10.0					
Arsenic - Water	<	5.0					
Beryllium - Water	<	1.0					
Cadmium - Water	<	5.0					
Chromium - Water	<	10.0					
Copper - Water	<	50.0					
Lead - Water	<	5.0					
Mercury - Water	<	.2					
Nickel - Water	<	50.0					
Selenium - Water	<	5.0					
Silver - Water	<	5.0					
Thallium - Water	<	2.0					
Zinc - Water	<	50.0					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory Department of Environmental Conservation
Analytical Results

GJD/yt

Lab Id: 13876 Report To: M. YOUNG
Location: MW-3

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Recovery Dups ?	Recovery Percent
Antimony - Water	<	10.0 ug/l					
Arsenic - Water	<	5.0 ug/l					
Beryllium - Water	<	1.0 ug/l			2	Y	99
Cadmium - Water	<	5.0 ug/l			0		104
Chromium - Water	<	10.0 ug/l					
Copper - Water	<	50.0 ug/l					
Lead - Water	<	5.0 ug/l					
Mercury - Water	<	.2 ug/l					
Nickel - Water	<	50.0 ug/l					
Selenium - Water	<	5.0 ug/l					
Silver - Water	<	5.0 ug/l			5		81
Thallium - Water	<	2.0 ug/l			2	Y	96
Zinc - Water	<	50.0 ug/l					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

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Department of Environmental Conservation Laboratory
Analytical Results

MAY 19 1995

GJD

Lab Id: 13875 Report To: M. YOUNG
Location: MW-2

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Dups ?	Recovery Percent
Antimony - Water	<	10.0 ug/l					
Arsenic - Water	<	5.0 ug/l					
Beryllium - Water	<	1.0 ug/l					
Cadmium - Water	<	5.0 ug/l					
Chromium - Water	<	10.0 ug/l			3	Y	87
Copper - Water	<	50.0 ug/l					
Lead - Water	<	5.0 ug/l			2	Y	103
Mercury - Water	<	.2 ug/l			1	Y	101
Nickel - Water	<	50.0 ug/l					
Selenium - Water	<	5.0 ug/l					
Silver - Water	<	5.0 ug/l					
Thallium - Water	<	2.0 ug/l					
Zinc - Water	<	50.0 ug/l					

Remarks: E = Estimated Value J = Value may be in Error N = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival

MAY 19 1995

5/18/95

Department of Environmental Conservation Laboratory
Analytical Results

GJD

Lab Id: 13874 Report To: M. YOUNG
Location: MW-1

Phone: 241-3888 Date Collected: 4/27/95
Program: 21 112 Chain of Custody? Yes

Notes:

Test Name	Result	Units	Remark Code	Over Hold?	Rel. % Diff.	Spiked Recovery Dups ?	Recovery Percent
Antimony - Water	<	10.0					
Arsenic - Water	<	5.0					
Beryllium - Water	<	1.0					
Cadmium - Water	<	5.0					
Chromium - Water	<	10.0					
Copper - Water	<	50.0					
Lead - Water	<	5.0					
Mercury - Water	<	.2					
Nickel - Water	<	50.0					
Selenium - Water	<	5.0					
Silver - Water	<	5.0					
Thallium - Water	<	2.0					
Zinc - Water	<	50.0					

Remarks: E = Estimated Value J = Value may be in Error M = Sample Matrix Problem N = Sample not Processed
P = Present, not Quantitated Q = Insufficient Quantity R = Results not Reported W = Sample Warm on Arrival