NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS INC.

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SENECA FALLS
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March 21st, 2002

Subsurface Investigation Report

at the

FORMER VIBRATECH FACILITY

537 East Delevan

Buffalo, New York

Spill # 9710497 * PIN # H80271

Prepared for:

Ms. Francine Gallego
New York State Department of Environmental Conservation
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

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FORMER VIBRATECH FACILITY
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1.0 Introduction

Nature's Way Environmental Consultants & Contractors, Inc., (NWEC&C, Inc.) was contracted by the New York State Department of Environmental Conservation (NYSDEC) - Region 9, to perform a subsurface site investigation on the southwestern portion of the former VIBRATECH Facility, located at 537 E. Delevan and Winchester Avenue, Buffalo, New York (See Attachment 1- Regional Site Location Map).

This investigation was performed to augment a previous subsurface/groundwater investigation which identified free-phase petroleum product on the groundwater at (MW 6) near the former loading dock entrance.

In an attempt to further identify the source and extent of petroleum contamination, additional field work was performed by NWEC&C, Inc.. commencing on January 18th, 2001 and extending through January 23rd, 2001.

This recent work included:

The installation of five (5) bedrock monitoring wells designated as MW 1-01 through MW 5-01 (see Attachment 2 - Monitoring Well Location Map).

The visual inspection of the basement (as a suspect area contributing to the presence of free-phase petroleum). The basement inspection also included securing a water sample from the basement and liquid sample from a drum staged adjacent to and above basement for analytical testing.

Securing representative/random samples of the wooden floor blocks which are stockpiled in the open warehouse area in the northern portion of the VIBRATECH Facility. These samples were obtained to determine the appropriate method of disposal.

1.1 Objectives

The primary objectives of this subsurface investigation were to:

Define the areal and vertical extent of subsurface free-phase petroleum contamination previously identified at (MW 6) in the southwestern portion of the property near the former loading docks.

Determine the source of this free-phase petroleum contamination.

2.0 Site Description

2.1 Site Location/Setting

The site is located at 537 East Delevan, on the east side of Winchester Avenue in the City of Buffalo, Erie County, New York. This Mixed old industrial and residential area is serviced by public water and sewer. The main area of concern is the southwestern portion of the former VIBRATECH facility.

3.0 Investigative Methodology

3.1 Soil/Rock Borings

A Diedrich D-50 drilling rig was utilized to secure overburden soil samples and to advance 4 1/4 inch I.D. hollow stem augers according to ASTM-D-1586 specifications. Bedrock cores were obtained by advancing an HQ size core barrel according to ASTM-D-2113 specifications.

Collected soil and bedrock samples were examined and classified on-site by the NWEC&C, Inc., Senior Geologist. Collected soil samples were stored in clean 8 oz., sample jars and set aside for a minimum 15 minute period at approx. 70 F, to allow concentrations of volatile organic compounds (VOC) to accumulate. Bedrock core samples were properly labeled and stored in wooden core boxes.

Sample descriptions, well installation details and OVM measurements were recorded and are presented on boring logs which were generated for each soil/bedrock boring (See Attachment 3 - Soil Boring /Monitoring Well Log).

3.1.1 OVM/PID Screening

A model 580 S OVM Photo-Ionization Detector (OVM/PID), calibrated daily to a 100 ppm Isobutylene Standard, was utilized to quantify VOC concentrations within the sample jar head space.

3.1.2 Sample Selection (Soil)

A total of two (2) representative soil samples were submitted to the Lozier Analytical Group for laboratory analysis by EPA Method 8260 GC/MS and 8270 STARS. These two (2) samples were selected based on the presence of free phase petroleum present in the monitoring wells installed within the bedrock at these locations.

3.2 Monitoring Well Installation, Gauging and Sampling

The monitoring wells installed by NWEC&C, Inc., were located and constructed with the objective of determining the depth to groundwater and to detect potential free-phase petroleum contamination.

3.2.1 Monitoring Well Installation

A total of five (5) monitoring wells (MW-1-02 through MW-5-02) were installed within the overburden/bedrock at selected locations across the site, and constructed of two (2) inch inside diameter ASTM flush threaded .010 or .020 inch slot stainless steel screens and riser pipe.

3.2.2 Monitoring Well Gauging

On January 23rd, 2002, top of casing (TOC) elevations were established for all the wells on the southwest portion of the site, by first assigning an arbitrary reference datum elevation of 100.00 at the north rim of the sewer manhole located to the northeast of existing MW 7 (See Site Map). A sonic interface probe was utilized to gauge water levels and total depths at the monitoring wells, to determine the volume of water present in each well for development purposes, to determine if free-phase petroleum product is present, and to establish ground water flow direction.

3.2.3 Well Development and Sampling

Eight (8) of the wells. (MW 1-02 through MW 5-02, MW 2, MW 6 and MW 7) located within the petroleum impacted area of concern, were developed (purged) on January 23rd, 2002, to obtain a representative water sample for analytical testing. The samples were placed in pre-cleaned laboratory 40 mL and 1-liter amber glass vials and jars (See Attachment 4) for well development observations and data.

The ground water samples from all the wells were analyzed by EPA Method 8260 and 8270 STARS. Representative samples from MW 1-02, MW 3-02 and MW 6, which contained free phase petroleum were also analyzed by EPA method 310.13.

3.3 Basement Inspection

The inspection of the two (2) basement areas consisted of personnel entering the two area(s) equipped with waders and the proper lighting to observe the conditions present. The inspection was necessary to determine if structures and/or materials stored in these areas may have contributed to the presence of free phase petroleum contamination which was identified in the bedrock wells on site.

The two basement areas include:

The area beneath the six (6) hydraulic lifts which are present in the loading dock area.

The 45.0' by 56.0' basement located in the extreme southern portion of the "Buffalo Powder Coatings" building.

3.4 Wood Block Floor Sampling

A major portion of the former VIBRATECH Facility contained a wooden block floor which had been recently pulled-up and stockpiled at various locations within the warehouse. Wood block samples were secured from five (5) randomly selected piles and a composite sample was obtained and submitted to the analytical lab for purposes of disposal characterization. A full TCLP with pesticides/herbesides and PCB's was run on the composite wood sample.

4.0 Investigation Results & Findings

4.1 Geologic Description/Condition

The investigated area is mantled with a thin layer of asphalt with a sand and gravel base to a depth of +/- 1.0 feet below ground surface (BGS). MW 5-02 positioned within the building encountered concrete at the surface and present to a depth of 0.7 feet BGS. An apparent concrete slab was encountered below a depth of +/-3.5 BGS, in MW 1-02 and MW 5-02. Soil fill with varying textures and gravel contents is present across the site to a range of depths from 5.0 to 7.0 feet BGS. This fill material is present throughout the soil profile in MW 4-02, which is present to the top of bedrock at a depth of 5.1 feet BGS.

The natural soils identified below the fill consist of fine textured lake deposited sediment with a (CLAYEY-SILT) texture and/or glacial deposits extending to the top of bedrock at a range of depths from 8.2 to 11.5 feet BGS at the remaining locations.

The bedrock encountered at the site consist of the Onondaga Limestone Formation. This bedrock unit is gray in color, very hard and occurs in very thin to thin beds 1 to 5 inches thick. Thin fracture zones were encountered at each of the core locations and possessed an oil sheen and petroleum and/or chemical odor. The most notable fractures and presence of oil sheen and free phase liquid occurred in MW 1-02 and MW 3-02 positioned in the approximate center of the study area.

MW 1-02 - a fracture zone was encountered between 12.5 to 13.0 feet BGS, were all water returns were lost. Close examination of the core at the surface, revealed a pronounced sheen and strong petroleum odor within this fractured interval.

MW 3-02 - from 9.2 to 10.0 feet BGS at this location numerous vertical fractures were observed, with a noticeable oil sheen present. Below 10.0 feet and extending to a depth of 12.5 feet BGS, a soil filled layer was encountered and contained a thick dark gray oily substance.

The water table was encountered within the bedrock and occurs at a range of depths from 4.61 to 11.89 feet BGS.

4.1.1 PID/OVM Volatile Organic Compound (VOC) Screening Results (Soil Samples)

The results from the OVM/PID screening for all sample intervals for each boring are provided on the individual boring logs. OVM readings for all intervals throughout the soil profile registered 0.0 ppm.

4.1.2 Analytical Results (Soil Samples)

The soil samples secured from MW 1-02 and MW 3-02, were submitted to the Lozier Analytical Group for analysis via EPA Method 8260 and 8270 GC/MS based upon the discovery of free phase petroleum present on the groundwater surface within the monitoring wells installed at these locations.

Analytical results obtained for these soil samples are provided in the attached Soil Analytical Results Table and accompanying laboratory reports (Attachment 5). The analytical results obtained from these soil samples were all below laboratory detection limits.

4.2 Groundwater Investigation

4.2.1 Monitoring Well Installation, Gauging and Groundwater Flow

Five (5) monitoring wells were installed on-site between January 18th through 22nd, 2002, and include (MW 1-02 through MW 5-02). Three (3) existing wells MW 2, MW 6 and MW 7 were also included as part of this investigation. All eight (8) wells on-site consist of two (2) inch diameter stainless steel screen and riser.

The elevations to the top of the water table in the eight (8) bedrock wells present in the southwestern portion of this property are presented in the water level data tables and groundwater flow maps included as attachment 6 of this report. Groundwater data obtained on January 23rd, 2002, identified that the water table resides at a depth of 4.61 to 11.89 feet BGS with the elevations ranging from 92.43 to 94.53 feet across the site. Based on this data, the general site ground water flow converges toward the center of the loading ramp in the vicinity of MW 3-02 and eventually flows in a northwesterly direction toward MW 7 and the existing Winchester Avenue sewer.

4.2.2 Analytical Results (Groundwater Samples)

Analytical results obtained for the groundwater samples are summarized in the attached Groundwater Analytical Results Table and on the laboratory reports included as (Attachment 7) of this report. The water samples were analyzed by EPA Method 8260 and 8270 GC/MS.

The 8260 analytical results from monitoring wells MW 1-02, MW 3-02, MW 4-02, MW 2 and MW 6 identified petroleum constituent compounds which exceed the NYSDEC TOGS 1.1.1 Guidance Values. It should be noted that monitoring wells MW 6, MW 1-02 and MW 3-02 contain free phase product and that the analytical results identify distinct similarities in the petroleum compounds present in all of the affected wells.

The results obtained from the 8270 analysis from the eight (8) wells were all below the laboratory detection limits.

4.2.3 Analytical Results (Groundwater Samples - Product Identification)

The analytical results on the groundwater sample obtained from MW 1-02, MW 3-02 and MW 6, identified Lube Oil as being present in MW 1-02 at a concentration of 16.3 ppm (see Attachment 8). Previous analytical data obtained from MW 6 (9-6-01) also identified lube oil at a concentration of 68.8 ppm.

4.3 Results of Basement Inspection and Drum Contents

The basement area beneath the hydraulic lifts identified a hydraulic pump and associated metal hydraulic lines connected to each of the individual lifts. There was no visible evidence that the lines have leaked. Slight oil staining was noticed along the floor near the hydraulic pump and at the base of each of the hydraulic lifts. The hydraulic lifts themselves are mounted directly on the concrete floor and do not come in contact with the underlying soils and or bedrock. In this area a 55 gallon drum containing approximately 40 gallons of apparent clean hydraulic oil (consistent with the label information) is present in a relatively new drum. The contents of this drum will be disposed of through recycling or reuse.

The basement located at the southern end of the facility measures 45.0 feet by 56.0 feet and contains 1.5 feet of water. The only structures identified within the basement consist of old shelving and two (2) concrete block foundation structures. The surface of the water was noticed to contain dark brown oil droplets, so a representative ground water sample was secured and analyzed by EPA Method 310.13, 8260 GC/MS and 8270. The results indicate that all parameters tested for were below detection limits (refer to analytical results in Attachment 9).

A 55 gallon drum containing approximately 45 gallons of liquid (oil/water) is present in the southern portion of the facility adjacent to the entrance to the basement. A representative liquid sample was secured from the drum and analyzed by EPA Method 310.13, 8260 GC/MS and 8270. The 310.13 analysis identified lube oil at 42.9 ppm. Although the drum is in an upright position with no visible evidence of leakage, the liquid contents will be transferred into a newly reconditioned and DOT compliant drum for transport and disposal.

4.4 Results of Wood Block Floor Sampling

The analytical results of the full TCLP with pesticides/herbicides and PCB's obtained on the composite wood sample indicate that the wood samples should be treated as non-hazardous waste material and may be disposed at a sanitary (Subtitle D-90) Landfill (see Attachment 10).

5.0 Summary & Conclusions

The analytical results obtained from eight (8) monitoring wells sampled (MW 1-02 through MW 5-02 and existing MW 2, MW 6 and MW 7) indicate that concentrations of petroleum contamination above the NYSDEC published guidance values exists in MW 1-02, MW 3-02, MW 4-02, MW 2 and MW 6. Results and Observations indicate that two (2) contaminant types/sources are present at the Site

Free phase petroleum contamination appears to be present in the vicinity of the loading dock as identified from data collected from MW 6, MW 1-02 and MW 3-02. The petroleum identification analysis performed at these three (3) product bearing wells detected lube oil present in MW 3-02. Previous analytical data obtained from MW 6 also identified lube oil. Dissolved Phase Chlorinated VOC contamination is also present throughout the former loading dock area.

Product gauging and removal efforts conducted with a bailer, removed small quantities of product and noted that the product becomes emulsified within the groundwater when agitated.

The groundwater flow identified across the site, converges toward the center of the loading ramp access area in the vicinity of MW 3-02 and eventually flows in a northwesterly direction toward MW 7 and the Winchester Avenue sewer.

Based on review of the data collected during the subsurface investigation it appears that the free phase lube oil contamination exists predominantly within the weathered and fractured portions of the bedrock in the vicinity of the former loading dock area.

Analytical data identifies the highest levels of dissolved chlorinated VOC contamination at MW 2, with no free product present. This would indicate that the dissolved phase contamination most likely originated from a source area located to the north of the loading dock area.

Inspection and analytical data obtained from the basement indicates that the contamination identified in the monitoring wells did not originate from the basement.

The analytical data obtained from the composite wood block sample indicates that these blocks can be disposed of as non-hazardous solid waste.

6.0 Recommendations

The most cost-effective and technically-feasible remedial option for the area includes the installation of a low-flow recovery pumping system that pumps impacted groundwater and free product together. By limiting the pumping rate of the system, a small but sufficient water table depression will be created to allow for the migration of product into the recovery well, while keeping the volume of recovered groundwater to a minimum. A 6-inch diameter recovery well should be installed adjacent to the existing two-inch diameter monitoring well MW 3-02. A larger diameter recovery well is necessary to accommodate the pumping system.

The product Recovery/Groundwater Depression well should be connected to an above-ground oil water separator and activated carbon filtration treatment system to remove recovered contaminants. Discharge of treated water should be to the sanitary sewer.

Remedial progress should be monitored through quarterly gauging and sampling of the existing monitoring wells until remedial objectives have been achieved.

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Attachment #1
Regional Site Map

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1771 AUBURN ROAD • SENECA FALLS, NEW YORK 13148 • FAX (315) 568-9179

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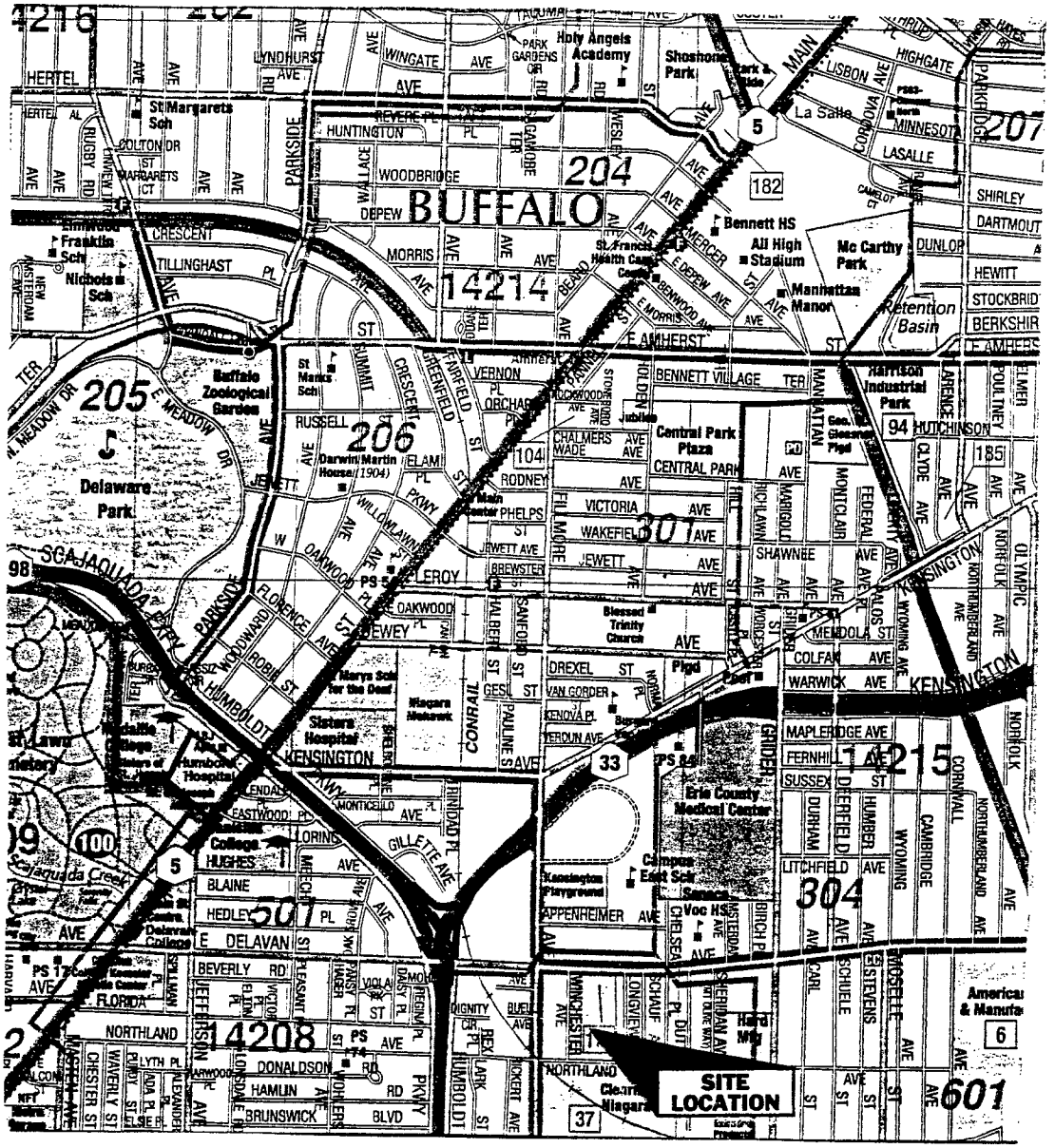

Regional Site Map

Former Vibratech Facility
537 East Delavan Ave
Buffalo, New York

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Attachment #2
Monitoring Well Location Map

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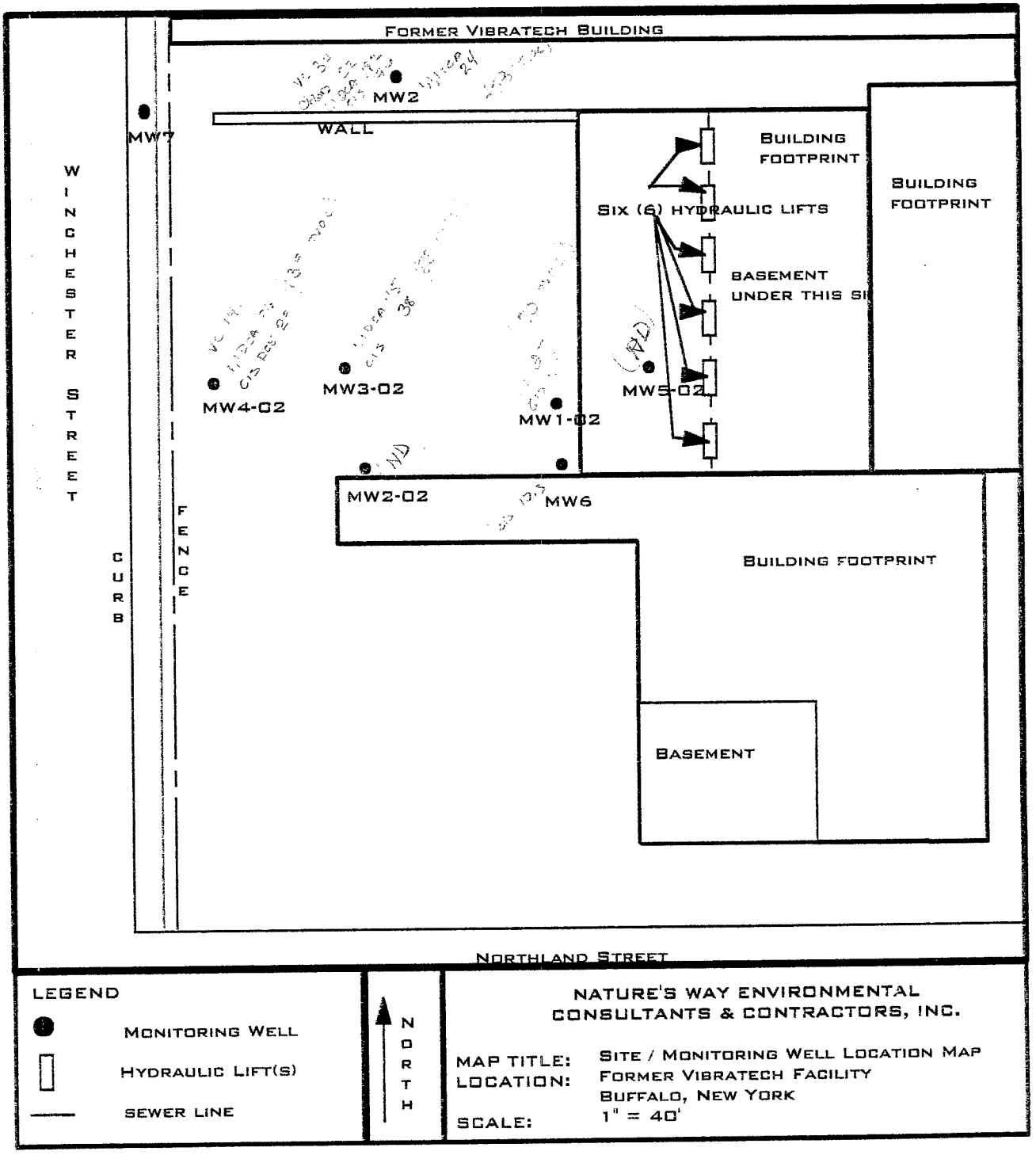
FORMER VIBRATECH BUILDING
MW2
MW7
WALL
BUILDING FOOTPRINT
BUILDING FOOTPRINT
SIX (6) HYDRAULIC LIFTS
BASEMENT UNDER THIS SI
WINCHESTER STREET
MW4-02
MW3-02
MW1-02
MW5-02
MW2-02
MW6
CURB
FENCE
BUILDING FOOTPRINT
BASEMENT
NORTHLAND STREET
LEGEND
MONITORING WELL
HYDRAULIC LIFT(S)
SEWER LINE
NORTH
NATURE'S WAY ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.
MAP TITLE: SITE / MONITORING WELL LOCATION MAP
LOCATION: FORMER VIBRATECH FACILITY
BUFFALO, NEW YORK
SCALE: 1" = 40'

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Attachment #3
Soil Boring/Monitoring Well Logs

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TOC ELEVATION: _____

DATE: 1/18/02 HOLE NUMBER: MW 1-02 GROUND ELEVATION: _____

PROJECT: Subsurface Investigation and Monitoring Well Installation at the Former Vibratech Facility, 537 East Delevan, Buffalo, New York

PREPARED FOR: NYSDEC Region 9 - Spill #9710497

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	OVM	Well	REMARKS
*							Asphalt	0.0	Cement Bentonite Grout	Asphalt to 0.4 foot over gravel fill to 1.6 foot over sandy fill to 3.8 feet over concrete to 4.5 feet over mixed silty and coarse silty soil fill to 6.3 feet over clayey lake sediment to 9.5 feet over silty glacial till to 11.5 feet over fractured limestone bedrock to 11.8 feet over Onondaga Limestone bedrock to end of coring
1	16						Limestone gravel fill			
		5			11		Moist, black (SILTY-SAND) fill with very fine to fine size sand, little silt, loose	0.0	2" Stainless Steel Riser Pipe	
			5							
				6					Bentonite Seal	
2	9							0.0		
		50/4					Concrete			
**										
							Moist, mixed brown (CLAYEY-SILT) fill with little clay and dark gray (SANDY-SILT) fill with little very fine size sand, stiff to compact			* Advanced 4 1/4 HSA through asphalt and fill to 5.1 foot
3	13							0.0		
		8			14				#0 Size Sand	** Advanced 4 1/4 HSA through concrete 3.9 to 4.5 feet
			6							
				6						
4	3							0.0		
		5					Moist, reddish brown (CLAYEY-SILT) with some clay, stiff, thinly laminated			
			8		13					
				9						
5	8							0.0	2" 20 Slot Stainless Steel Screen	
		7								
			7		14		Extremely moist, brown, gravelly (CLAYEY-SILT) with 15 to 25% gravel, little clay, compact, massive soil structure			
				5						
6	9							0.0		
		32	#1				Fractured Limestone Bedrock			Lost Water Returns at 12.5 feet BGS
	RUN		50/3"				Onondaga Limestone bedrock, gray, very hard, thin to medium bedded 2 to 6 inches thick, noticed fracture zone from 12.5 to 13.0 feet (lost water) noticed oil sheen and petroleum odor in this zone			1 Void encountered while coring from 14.5 to 14.8 feet BGS
							Coring Completed at 16.8 feet		Well Installation Completed at 15.5 feet	

CORE DATA

RUN	Int.	Len.	Rec.	Rec.	ROD
1	11.8 to 16.8	5.0	5.0	100%	61%

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TOC ELEVATION: _____ GROUND ELEVATION: _____

DATE: 1/21/02 HOLE NUMBER: MW 2-02

PROJECT: Subsurface Investigation and Monitoring Well Installation at the Former Vibratech Facility, 537 East Delevan, Buffalo, New York

PREPARED FOR: NYSDEC Region 9 - Spill #9710497

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	OVM	Well	REMARKS
*							Asphalt pavement (0.2)		0.0 Cement	Asphalt to 0.2 foot over gravel fill to 0.9 foot over sandy fill with some cinder gravel to 3.0 feet over sand and gravel fill with concrete to 5.0 feet over clayey lake sediment to 6.0 feet over coarse silty glacial drift to 6.8 feet over Onondaga limestone bedrock to end of coring
							Gravel fill (0.9)		Bentonite Grout	
1	15						Moist, dark gray, gravelly (SILTY-SAND) fill with 20 to 40% cinder and gravel, very fine to coarse size sand, little silt, very dense in place (3.0)	0.0	2" Stainless Steel Riser Pipe	
		26			53				2.5	
			27						Bentonite Seal	
				16						
2	33							0.0		
		22								
			27		49					
				18						
3	21						Moist, gray, very gravelly (SAND) fill with 40 to 50% gravel and concrete, very fine to very coarse size sand, dense in place (6.3)	0.0	5.5	* Advanced 4 1/4 HSA through asphalt and fill to 1.0 foot
		12							#0 Size Sand	
			15		17				6.9	* Core run cored through glacial till
	RUN #1			100/1			Moist, reddish brown (CLAYEY-SILT) with some clay, very stiff, blocky soil structure (7.8)			
							Extremely moist, brown, gravelly (SANDY- SILT) with 15 to 30% gravel, little to some very fine size sand, compact, weakly stratified (9.6)		2" 10 Slot Stainless Steel Screen	
	RUN #2						Extremely moist, brown, gravelly (SAND-SILT-CLAY) with 15 to 30% gravel with cobbles, massive soil structure (12.0)		11.9 Well Installation Completed at 11.9 feet	
							Onondaga limestone bedrock, gray, very hard, thin to medium bedded with numerous chert layers 2 to 6 inches thick, noticed fractured zone from 9.5 to 9.7 feet with oil sheen and petroleum odor			
							Coring Completed at 12.0 feet			

CORE DATA

RUN	Int. (ft)	Len. Rec. (ft)	Rec (ft)	Rec %	RQD %
1	6.8 to 11.0	4.2	4.2	100	*
2	11.0 to 12.0	1.0	1.0	100	70

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TOC ELEVATION: _____

DATE: 1/21/02 HOLE NUMBER: MW 3-02 GROUND ELEVATION _____

PROJECT: Subsurface Investigation and Monitoring Well Installation at the Former Vibratech Facility, 537 East Delevan, Buffalo, New York

PREPARED FOR: NYSDEC Region 9 - Spill #9710497

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	OVM	Well	REMARKS
							Asphalt pavement		Cement Bentonite Grout	Asphalt to 0.2 foot over gravel fill to 0.8 foot over sandy fill to 2.0 feet over mixed clayey and sandy fill to 7.0 feet over coarse silty glacial drift to 8.2 feet over Onondaga Limestone bedrock to 10.1 feet over soil filled void to 12.5 feet over Limestone bedrock to end of coring
1	14						Gravel fill 0.8			
		9			14		Extremely moist, dark gray to black (SILTY-SAND) fill with very fine size sand, little silt, compact 2.0	0.0	2" Stainless Steel Riser Pipe	
			5							
				6						
2	4							0.0		
		5					Extremely moist, mixed brown (CLAYEY-SILT) fill with little clay and gray, gravelly (SILTY-SAND) fill with 15 to 25% gravel with fiberous wood material, firm to loose			
			3		8					
				5						
3	3							0.0	Bentonite Seal	* Advanced 4 1/4 HSA through asphalt and fill to 1.0 foot
		5								
			3		8					
				6			7.0			
4	14						Extremely moist, brown, gravelly (SANDY- SILT) with 15 to 25% gravel, little very fine size sand, compact, massive soil structure 8.2	0.0	#0 Size Sand	
		7								
		RUN	50/2"							
			#1							
							Onondaga Limestone bedrock, gray, very hard, thinly bedded 2 to 5 inches thick with numerous dark gray chert layers, noticed vertical fracture from 9.2 to 10.0 feet with noticable sheen 12.5		2" 10 Slot Stainless Steel Screen	Encountered soil layer from 10.1 to 12.5 feet BGS while coring
		RUN	#2							
							Wet, dark brown, very gravelly (SANDY-SILT) with 40 to 60% gravel, little very fine size sand with dark gray thick oil 13.1			
							Onondaga Limestone bedrock, gray, very hard, thinly bedded			
							Coring Completed at 13.1 feet		Well Installation Completed at 12.5 feet	

CORE DATA

RUN #	Int. (ft)	Len. Rec. (ft)	Rec %	RQD %
1	8.2 to 10.0	1.8	100	85%
2	10.0 to 13.1	3.1	100	100

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TOC ELEVATION: _____ GROUND ELEVATION: _____

DATE: 1/22/02 HOLE NUMBER: MW 4-02

PROJECT: Subsurface Investigation and Monitoring Well Installation at the Former Vibratech Facility, 337 East Delevan, Buffalo, New York

PREPARED FOR: NYSDEC Region 9 - Spill #9710497

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION	OVM	Well	REMARKS
*							Asphalt (0.2)		0.0 Cement Bentonite Grout	Asphalt to 0.2 foot over gravel fill to 1.0 foot over sandy fill to 2.0 feet over silty fill with little gravel to 5.1 feet over Onondaga limestone bedrock to end of coring
							Gravel fill (1.0)			
1	20						Extremely moist, black (SILTY-SAND) fill with very fine size sand, dense in place (2.0)	0.0	2.0 2" Stainless Steel Riser Pipe	* Advanced 4 1/4 HSA through asphalt and gravel to 1.0 foot
		12			51					
			39							
				12						
2	32						Moist, brown, gravelly (CLAYEY-SILT) fill with 15 to 25% gravel with occasional cobble size concrete pieces, little clay (5.1)	0.0	Bentonite Seal 4.0 4.5 #0 Size Sand	
		11			15					
			4							
				4						
	RUN #1						Onondaga Limestone bedrock, gray, very hard, very thinly to thinly bedded 1 to 4 inches thick, noticed occasional thin fracture zones throughout core, noticed oil sheen within fractures		9.5 2" 10 Slot Stainless Steel Screen	CORE DATA
							(10.4) Coring Completed at 10.4 feet		Well Installation Completed at 9.5 feet	RUN Int. (ft) Len. Rec. (ft) Rec. % RQD %
										1 5.1 to 10.4 5.3 5.0 94 42

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NATURE'S WAY ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN (716) 937-6527
SENECA FALLS (315) 568-1664

DATE: 1/22/02 HOLE NUMBER: MW 5-02

TOC ELEVATION:

GROUND ELEVATION:

PROJECT: Subsurface Investigation and Monitoring Well Installation at the Former Vibratech Facility, 537 East Delevan, Buffalo, New York

PREPARED FOR: NYSDEC Region 9 - Spill #9710497

BORING LOCATION: See Map

Depth (ft)	SN	Description	OVM	Well	Remarks
0.0–0.7	*	Concrete floor		0.0 Cement / Bentonite Grout	Concrete to 0.7 foot over sandy fill with little silt to 3.5 feet over concrete to 4.0 feet over silty fill with trace gravel to 7.5 feet over loamy glacial till to 11.3 feet over Onondaga limestone bedrock to end of coring
0.7–3.5	1	Moist, black (SILTY-SAND) fill with very fine size sand, little silt	0.0		
3.5–4.0	**	Concrete		2" Stainless Steel Riser Pipe	Sample 1 (0.9' to 3.5') 2 (4.0' to 8.0'), and 3 (8.0' to 11.3') were auger debris
4.0–7.5	2	Moist, grayish brown and brown (CLAYEY-SILT) fill with 5 to 10% gravel, little clay	0.0		
7.5–11.3	3	Extremely moist, brown, gravelly (SAND-SILT-CLAY) with 15 to 25% gravel, little clay and very fine size sand, massive soil structure	0.0	7.5 Bentonite Seal; 9.5 #0 Size Sand; 10.7	
11.3–16.3	RUN #1	Onondaga Limestone bedrock, gray, very hard, very thin to thinly bedded 1 to 5 inches thick, noticed fracture zone from 14.5 to 15.0 feet with slight chemical type odor		2" 10 Slot Stainless Steel Screen; 15.7 Well Installation Completed at 15.7 feet	* Advanced 4 1/4 HSA through concrete ** Roller cone
16.3		Coring Completed at 16.3 feet			

CORE DATA

RUN #	Int. (ft)	Len. (ft)	Rec. (ft)	Rec. %	RQD %
1	11.3 to 16.3	5.0	5.0	100	61

LOGGED BY: Dale M. Gramza - [illegible]

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ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

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Attachment #4
Well Development Sheet and System Table

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

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SENECA FALLS
(315) 568-1664

Vibratech
Buffalo, New York
NYSDEC Region 9
Spill# 9710497

Well Development Sheet

	MW 1-02	MW 2-02	MW 3-02	MW 4-02	MW 5-02	MW 2	MW 6	MW 7
Total Depth	15.5	11.9	12.5	9.5	15.7	9.4	15.7	8.10
Product Level	11.4	-	8.0	-	-	-	sheen	-
Water Level	11.8	8.48	9.95	5.82	11.24	4.61	11.89	7.09
Conversion Factor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Well Volume	.063	0.58	0.6	0.63	0.76	0.81	0.65	0.17
Total Removed	4 gal	4 gal	-	5 gal	3 gal	4 gal	3.3 gal	0.5 gal

All measurements taken from North Rim of Stainless Steel Well Riser

MW 1-02	Oil on water (brown to dark brown, thick) water is cloudy brown
MW 2-02	Cloudy brown, very slight sheen
MW 3-02	Oil on top of water (thick, viscous, brown) water is cloudy brown
MW 4-02	Cloudy gray, clearing approximately at the 3rd well volume, very thin oil sheen
MW 5-02	Water Cloudy brown, after removing 2 well volumes, (1.5 gallons) recharge is slow – bailed dry 3 times before sampling
MW 2	No sheen, well recharges easily, water clean with some floaters
MW 6	Slight yellowish brown oil sheen, water is clear, well recharges slow but steady
MW 7	Silty brown, only 1.0 foot over water in well, no sheen, bailed dry 3 times before sampling

Sampled by DMG and SG on 01/23/02

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Attachment #5
Soil Analytical Results
EPA Method 8260 & 8270 Table and Lab. Reports

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537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271

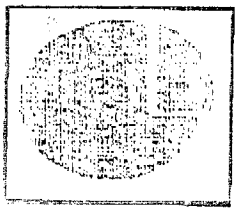
EPA 8270 GC/MS

Soil Analytical Results mg/Kg ppm

Sample # / Descriptor (right)	Sample #4 MW3-02	Sample #6 MW1-02
Naphthalene	-	-
Acenaphthylene	-	-
Acenaphthene	-	-
Fluorene	-	-
Phenanthrene	-	-
Anthracene	-	-
Fluoranthene	-	-
Pyrene	-	-
Benzo(a)anthracene	-	-
Chrysene	-	-
Benzo(b)fluoranthene	-	-
Benzo(k)fluoranthene	-	-
Benzo(a)pyrene	-	-
Indeno(1,2,3-c,d)pyrene	-	-
Dibenz(a,h)anthracene	-	-
Benzo(g,h,i)perylene	-	-

- = Below Laboratory Detection Limits

Sampled By: Dale M. Gramza
Date Sampled: 1/21/02
8270 GC/MS



Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=mg/Kg ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3550 Sonication
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48843	
Sample ID#1(CUST)	MW 1-02 SAMPLE # 6	
Sample ID#2(CUST)	(10.5 TO 11.8)	
Matrix	SOIL	
Sampled By	DALE GRAMZA	
Date Sampled	01/21/02	00:00
Date Received	01/28/02	03:30
Date Analyzed	01/31/02	
Date Reported	01/31/02	

	Results	Det Limit*
Naphthalene	< DL(U)	0.167
Acenaphthylene	< DL(U)	0.167
Acenaphthene	< DL(U)	0.167
Fluorene	< DL(U)	0.167
Phenanthrene	< DL(U)	0.167
Anthracene	< DL(U)	0.167
Fluoranthene	< DL(U)	0.167
Pyrene	< DL(U)	0.167
Benzo(a)anthracene	< DL(U)	0.167
Chrysene	< DL(U)	0.167
Benzo(b)fluoranthene	< DL(U)	0.167
Benzo(k)fluoranthene	< DL(U)	0.167
Benzo(a)pyrene	< DL(U)	0.167
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.167
Dibenz(a,h)anthracene	< DL(U)	0.167
Benzo(g,h,i)perylene	< DL(U)	0.167

DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - 8270 PAH

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Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=mg/Kg ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3550 Sonication
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48844	
Sample ID#1(CUST)	MW 3-02 SAMPLE # 4	
Sample ID#2(CUST)	(7.0 TO 9.0)	
Matrix	SOIL	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	00:00
Date Received	01/28/02	03:30
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.167
Acenaphthylene	< DL(U)	0.167
Acenaphthene	< DL(U)	0.167
Fluorene	< DL(U)	0.167
Phenanthrene	< DL(U)	0.167
Anthracene	< DL(U)	0.167
Fluoranthene	< DL(U)	0.167
Pyrene	< DL(U)	0.167
Benzo(a)anthracene	< DL(U)	0.167
Chrysene	< DL(U)	0.167
Benzo(b)fluoranthene	< DL(U)	0.167
Benzo(k)fluoranthene	< DL(U)	0.167
Benzo(a)pyrene	< DL(U)	0.167
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.167
Dibenz(a,h)anthracene	< DL(U)	0.167
Benzo(g,h,i)perylene	< DL(U)	0.167

* DL = Detection Limit

537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271

EPA 8260 GC/MS

Soil Analytical Results ug/kg ppb

Sample # / Descriptor (right)	Sample #4 MW3-02	Sample #6 MW1-02	Sample # / Descriptor (right)	Sample #4 MW3-02	Sample #6 MW1-02
Dichlorodifluoromethane	-	-	1,1,2-Trichloroethane	-	-
Vinyl Chloride	-	-	Tetrachloroethene	-	-
Chloromethane	-	-	1,3-Dichloropropane	-	-
Bromomethane	-	-	2-Hexanone	-	-
Chloroethane	-	-	Dibromochloromethane	-	-
Trichlorofluoromethane	-	-	1,2-Dibromoethane	-	-
1,1-Dichloroethene	-	-	Ethylbenzene	-	-
Acetone	-	-	m&p-Xylene	-	-
Methylene Chloride	-	-	o-Xylene	-	-
trans-1,2-Dichloroethene	-	-	Styrene	-	-
Methyl-tert-butyl ether	-	-	Isopropylbenzene	-	-
1,1-Dichloroethane	-	-	n-Propylbenzene	-	-
2,2-Dichloropropane	-	-	1,3,5-Trimethylbenzene	-	-
cis-1,2-Dichloroethene	-	-	tert-Butylbenzene	-	-
Methyl ethyl ketone	-	-	1,2,4-Trimethylbenzene	-	-
Bromochloromethane	-	-	sec-Butylbenzene	-	-
Chloroform	-	-	Chlorobenzene	-	-
1,1,1-Trichloroethane	-	-	1,1,1,2-Tetrachloroethane	-	-
1,1-Dichloropropene	-	-	Bromobenzene	-	-
Carbon Tetrachloride	-	-	1,2,3-Trichloropropane	-	-
1,2-Dichloroethane	-	-	2-Chlorotoluene	-	-
Trichloroethene	-	-	4-Chlorotoluene	-	-
1,2-Dichloropropane	-	-	1,3-Dichlorobenzene	-	-
Dibromomethane	-	-	4-Isopropyltoluene	-	-
Bromoform	-	-	1,4-Dichlorobenzene	-	-
Bromodichloromethane	-	-	1,2-Dichlorobenzene	-	-
1,1,2,2-Tetrachloroethane	-	-	n-Butylbenzene	-	-
Benzene	-	-	1,2-Dibromo-3-chloropropane	-	-
cis-1,3-Dichloropropene	-	-	1,2,4-Trichlorobenzene	-	-
4-Methyl-2-pentanone	-	-	Hexachlorobutadiene	-	-
Toluene	-	-	Naphthalene	-	-
trans-1,3-Dichloropropene	-	-	1,2,3-Trichlorobenzene	-	-

- = Below Laboratory Detection Limits

Sampled By: Dale M. Gramza
Date Sampled: 1/21/02
8270 GC/MS

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CRITTENDEN (716) 937-6527
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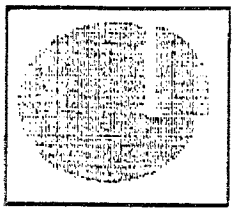

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11389 800 - 343 - 5227

LABORATORY REPORT - METHOD 8260

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BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48843
Sample ID#1(CUST)	MW 1-02 SAMPLE # 6
Sample ID#2(CUST)	(10.5 TO 11.8)
Matrix	SOIL
Sampled By	DALE GRAMZA
Date Sampled	01/21/02
Date Received	01/28/02 03:30
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
ichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
hloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
romomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
richlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
lethylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
ans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1-Dichloroethane	<DL(U)	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
cis-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
ethyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
romochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

DL = Detection Limit

Lozier Analytical Group

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Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48843
Sample ID#1(CUST)	MW 1-02 SAMPLE # 6
Sample ID#2(CUST)	(10.5 TO 11.8)
Matrix	SOIL
Sampled By	DALE GRAMZA
Date Sampled	01/21/02
Date Received	01/28/02 03:30
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
m&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
Isopropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
tert-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	<DL(U)	4.0
sec-Butylbenzene	<DL(U)	4.0
Chlorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
1,2,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

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Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48844	
Sample ID#1(CUST)	MW 3-02 SAMPLE # 4	
Sample ID#2(CUST)	(7.0 TO 9.0)	
Matrix	SOIL	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	
Date Received	01/28/02	03:30
Date Analyzed	01/31/02	
Date Reported	02/01/02	

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
Bromomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1,1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
trans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1,1-Dichloroethane	<DL(U)	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
2,2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
cis-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
Bromochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - METHOD 8260

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PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method:. EPA 8260 GC/MS

Sample ID (LAB)	48844
Sample ID#1(CUST)	MW 3-02 SAMPLE # 4
Sample ID#2(CUST)	(7.0 TO 9.0)
Matrix	SOIL
Sampled By	DALE GRAMZA
Date Sampled	01/22/02
Date Received	01/28/02 03:30
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
m&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
Isopropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
tert-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	<DL(U)	4.0
sec-Butylbenzene	<DL(U)	4.0
Chlorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
1,2,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

DL = Detection Limit

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

Attachment #6
Monitoring Well Gauging Information Table and Groundwater Flow Map (1/23/02)

3553 CRITTENDEN ROAD • CRITTENDEN, NEW YORK 14038 • FAX (716) 937-9360
1771 AUBURN ROAD • SENECA FALLS, NEW YORK 13148 • FAX (315) 568-9179

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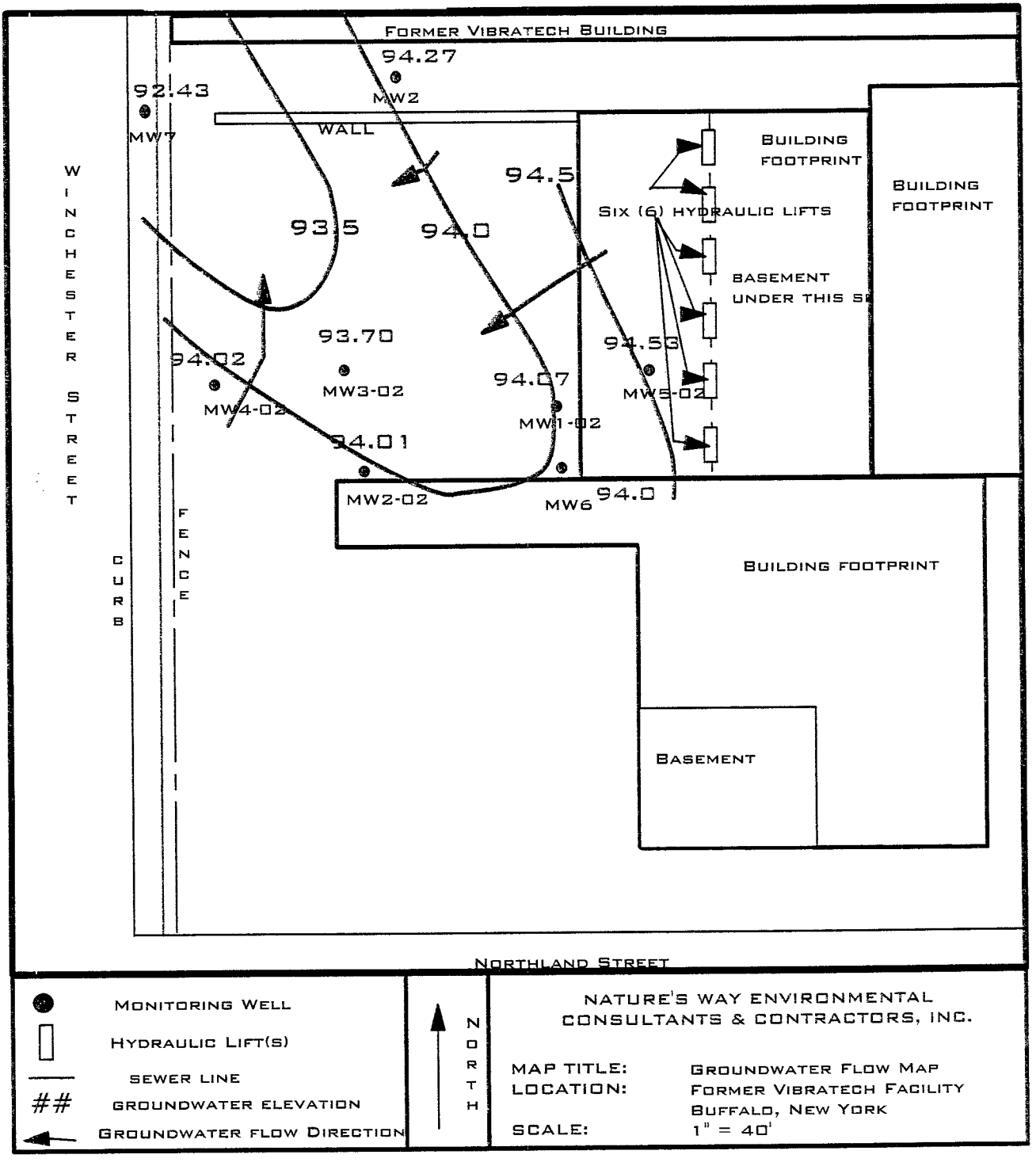
(716) 937-6527
SENECA FALLS
(315) 568-1664

Vibratech
Buffalo, New York
NYSDEC Region 9
Spill # 9710497

Groundwater Elevation Table

	Elevation	Water Level	Water Elevation
	100.00		
MW 1-02	105.55	11.48	94.07
MW 2-02	102.49	8.48	94.01
MW 3-02	102.09	8.39	93.70
MW 4-02	99.84	5.82	94.02
MW 5-02	105.77	11.24	94.53
MW 2	98.88	4.61	94.27
MW 6	105.89	11.89	94.00
MW 7	99.52	7.09	94.27


FORMER VIBRATECH BUILDING
94.27
MW2
92.43
MW7
WALL
BUILDING FOOTPRINT
BUILDING FOOTPRINT
94.5
SIX (6) HYDRAULIC LIFTS
93.5
94.0
BASEMENT UNDER THIS S
WINCHESTER STREET
93.70
94.02
MW3-02
MW4-02
94.07
MW1-02
94.53
MW5-02
94.01
MW2-02
MW6
94.0
BUILDING FOOTPRINT
CURB
FENCE
BASEMENT
NORTHLAND STREET
MONITORING WELL
HYDRAULIC LIFT(S)
SEWER LINE
GROUNDWATER ELEVATION
GROUNDWATER FLOW DIRECTION
NORTH
NATURE'S WAY ENVIRONMENTAL
CONSULTANTS & CONTRACTORS, INC.
MAP TITLE: GROUNDWATER FLOW MAP
LOCATION: FORMER VIBRATECH FACILITY
BUFFALO, NEW YORK
SCALE: 1" = 40'

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS INC.

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Attachment #7
Groundwater Analytical Results
Method 8260 Table and Lab. Results
and 8270 Lab Report

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ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271
EPA 5030 Purge & Trap

EPA 8260 GC/MS
Water Analytical Results ug/L ppb

Sample ID (right)	MW 1-02	MW 2-02	MW 3-02	MW 4-02	MW 5-02	Existing MW 2	Existing MW 6	Existing MW 7	TOG GV's
Dichlorodifluoromethane	-	-	-	-	-	-	-	-	
Vinyl Chloride	-	-	-	**14.3**	-	**33.9**	-	-	0.3
Chloromethane	-	-	-	-	-	-	-	-	
Bromomethane	-	-	-	-	-	-	-	-	
Chloroethane	-	-	-	-	-	**22.0**	-	-	5.0
Trichlorofluoromethane	-	-	-	-	-	-	-	-	
1,1-Dichloroethene	-	-	-	-	-	-	-	-	
Acetone	-	-	-	-	-	-	-	-	
Methylene Chloride	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	
Methyl-tert-butyl ether	-	-	-	-	-	-	-	-	
1,1-Dichloroethane	**27.1**	-	**45.3**	**95.7**	-	**181.9**	-	-	5.0
2,2-Dichloropropane	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene	**43.0**	-	**37.6**	**28.5**	-	**195.5**	**10.3**	-	5.0
Methyl ethyl ketone	-	-	-	-	-	-	-	-	
Bromochloromethane	-	-	-	-	-	-	-	-	
Chloroform	-	-	-	-	-	-	-	-	
1,1,1-Trichloroethane	-	-	-	-	-	**23.7**	-	-	5.0
1,1-Dichloropropene	-	-	-	-	-	-	-	-	
Carbon Tetrachloride	-	-	-	-	-	-	-	-	
1,2-Dichloroethane	-	-	-	-	-	-	-	-	
Trichloroethene	-	-	-	-	-	-	-	-	
1,2-Dichloropropane	-	-	-	-	-	-	-	-	
Dibromomethane	-	-	-	-	-	-	-	-	
Bromoform	-	-	-	-	-	-	-	-	
Bromodichloromethane	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	-	
Benzene	-	-	-	-	-	-	-	-	
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	-	-	-	-	-	-	-	-	
Toluene	**41.6**	-	-	-	-	-	-	-	5.0
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	
Tetrachloroethene	-	-	-	-	-	-	-	-	
1,3-Dichloropropane	-	-	-	-	-	-	-	-	
2-Hexanone	-	-	-	-	-	-	-	-	

- = Below Laboratory Detection Limits

(Results continued on next page)

Sampled by: Dale M. Gramza
Date sampled: 1/23/02
EPA 8260 GC/MS

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONSTRUCTION, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271
EPA 5030 Purge & Trap

EPA 8260 GC/MS (con't.)
Water Analytical Results ug/L ppb

Sample ID (right)	MW 1-02	MW 2-02	MW 3-02	MW 4-02	MW 5-02	Existing MW 2	Existing MW 6	Existing MW 7	TOG GV's
Dibromochloromethane	-	-	-	-	-	-	-	-	
1,2-Dibromoethane	-	-	-	-	-	-	-	-	
Ethylbenzene	-	-	-	-	-	-	-	-	
m&p-Xylene	-	-	-	-	-	-	-	-	
o-Xylene	-	-	-	-	-	-	-	-	
Styrene	-	-	-	-	-	-	-	-	
Isopropylbenzene	-	-	-	-	-	-	-	-	
n-Propylbenzene	-	-	-	-	-	-	-	-	
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	
tert-Butylbenzene	-	-	-	-	-	-	-	-	
1,2,4-Trimethylbenzene	-	-	-	-	4.7	-	-	-	5.0
sec-Butylbenzene	-	-	-	-	4.4	-	-	-	5.0
Chlorobenzene	-	-	-	-	-	-	-	-	
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	-	
Bromobenzene	-	-	-	-	-	-	-	-	
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	
2-Chlorotoluene	-	-	-	-	-	-	-	-	
4-Chlorotoluene	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	
4-Isopropyltoluene	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	
n-Butylbenzene	-	-	-	-	-	-	-	-	
1,2-Dibromo-3-chloropropane	-	-	-	-	-	-	-	-	
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	
Hexachlorobutadiene	-	-	-	-	-	-	-	-	
Naphthalene	-	-	-	-	-	-	-	-	
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	

- = Below Laboratory Detection Limits

Sampled by: Dale M. Gramza
Date Sampled: 1/23/02
EPA 8260 GC/MS

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48795
Sample ID#1(CUST)	MW 1-02
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
Bromomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1,1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
trans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1,1-Dichloroethane	27.1	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
2,2-Dichloropropane	<DL(U)	4.0	Toluene	41.6	4.0
cis-1,2-Dichloroethene	43.0	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
Bromochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

DL = Detection Limit

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LABORATORY REPORT - METHOD 8260

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Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

	48795	
Sample ID (LAB)		
Sample ID#1(CUST)	MW 1-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	02/01/02	

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
n&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
Isopropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
tert-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	<DL(U)	4.0
sec-Butylbenzene	<DL(U)	4.0
Chlorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
1,2,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - METHOD 8260

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Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

	48796	
Sample ID (LAB)		
Sample ID#1(CUST)	MW 2-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	02/01/02	

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
Bromomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1,1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
trans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1,1-Dichloroethane	<DL(U)	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
2,2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
cis-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
Bromochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

* DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - METHOD 8260

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BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = See Individual Limit
Soil=ug/kg ppb
Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48796
ample ID#1(CUST)	MW 2-02
ample ID#2(CUST)	
Matrix	WATER
ampled By	DALE GRAMZA
ate Sampled	01/23/02
Date Received	01/28/02 09:00
ate Analyzed	01/31/02
ate Reported	02/01/02

	Results	Det Limit*
ibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
ipropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
3,5-Trimethylbenzene	<DL(U)	4.0
t-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	<DL(U)	4.0
ec-Butylbenzene	<DL(U)	4.0
ilorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
romobenzene	<DL(U)	4.0
,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 343 - 5227

LABORATORY REPORT - METHOD 8260

ust	N.Y.S. DEC. REG. 9
ddress:	270 MICHIGAN AVE.
	BUFFALO, N.Y. 14203-2999
ttn:	FRANCINE GALLEGO
hone	851-7220
AX	851-7252

PO Number:	SPILL # 9710497
Project Number	PIN # H80271
Project Cust:	
Project Site:	VIBRATECH BUFFALO
Date FAXED:	
Lab Director	

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* = Soil=ug/kg ppb

ee Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes

Extraction Method: EPA 5030 Purge & Trap

Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48797	
mple ID#1(CUST)	MW 3-02	
mple ID#2(CUST)		
Matrix	WATER	
mpled By	DALE GRAMZA	
te Sampled	01/23/02	
Date Received	01/28/02	09:00
te Analyzed	01/31/02	
te Reported	02/01/02	

	Results	Det Limit*		Results	Det Limit*
chlorodifluoromethane	<DL(U)	20.0	1,1-Dichloropropene	<DL(U)	20.0
nyl Chloride	<DL(U)	20.0	Carbon Tetrachloride	<DL(U)	20.0
Chloromethane	<DL(U)	20.0	1,2-Dichloroethane	<DL(U)	20.0
omomethane	<DL(U)	20.0	Trichloroethene	<DL(U)	20.0
loroethane	<DL(U)	20.0	1,2-Dichloropropane	<DL(U)	20.0
Trichlorofluoromethane	<DL(U)	20.0	Dibromomethane	<DL(U)	20.0
-Dichloroethene	<DL(U)	20.0	Bromoform	<DL(U)	20.0
etone	<DL(U)	100.0	Bromodichloromethane	<DL(U)	20.0
Methylene Chloride	<DL(U)	100.0	1,1,2,2-Tetrachloroethane	<DL(U)	20.0
ns-1,2-Dichloroethene	<DL(U)	20.0	Benzene	<DL(U)	20.0
thyl-tert-butyl ether	<DL(U)	20.0	cis-1,3-Dichloropropene	<DL(U)	20.0
1,1-Dichloroethane	45.3	20.0	4-Methyl-2-pentanone	<DL(U)	20.0
-Dichloropropane	<DL(U)	20.0	Toluene	<DL(U)	20.0
1,2-Dichloroethene	37.6	20.0	trans-1,3-Dichloropropene	<DL(U)	20.0
Methyl ethyl ketone	<DL(U)	20.0	1,1,2-Trichloroethane	<DL(U)	20.0
omochloromethane	<DL(U)	20.0	Tetrachloroethene	<DL(U)	20.0
loroform	<DL(U)	20.0	1,3-Dichloropropane	<DL(U)	20.0
1,1,1-Trichloroethane	<DL(U)	20.0	2-Hexanone	<DL(U)	20.0

DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = See Individual Limit
Soil=ug/kg ppb
Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48797
Sample ID#1(CUST)	MW 3-02
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
ibromochloromethane	<DL(U)	20.0
,2-Dibromoethane	<DL(U)	20.0
Ethylbenzene	<DL(U)	20.0
&p-Xylene	<DL(U)	40.0
Xylene	<DL(U)	20.0
Styrene	<DL(U)	20.0
opropylbenzene	<DL(U)	20.0
Propylbenzene	<DL(U)	20.0
1,3,5-Trimethylbenzene	<DL(U)	20.0
rt-Butylbenzene	<DL(U)	20.0
,2,4-Trimethylbenzene	<DL(U)	20.0
sec-Butylbenzene	<DL(U)	20.0
ilorobenzene	<DL(U)	20.0
1,1,2-Tetrachloroethane	<DL(U)	20.0
Bromobenzene	<DL(U)	20.0
,2,3-Trichloropropane	<DL(U)	20.0
Chlorotoluene	<DL(U)	20.0
4-Chlorotoluene	<DL(U)	20.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	20.0
4-Isopropyltoluene	<DL(U)	20.0
1,4-Dichlorobenzene	<DL(U)	20.0
1,2-Dichlorobenzene	<DL(U)	20.0
n-Butylbenzene	<DL(U)	20.0
1,2-Dibromo-3-chloropropane	<DL(U)	20.0
1,2,4-Trichlorobenzene	<DL(U)	20.0
Hexachlorobutadiene	<DL(U)	20.0
Naphthalene	<DL(U)	50.0
1,2,3-Trichlorobenzene	<DL(U)	20.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

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Address:	270 MICHIGAN AVE.
	BUFFALO, N.Y. 14203-2999
Attn:	FRANCINE GALLEGO
Phone	851-7220
FAX	851-7252

PO Number:	SPILL # 9710497
Project Number	PIN # H80271
Project Cust:	
Project Site:	VIBRATECH BUFFALO
Date FAXED:	
Lab Director	

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* = See Individual Limit

Soil=ug/kg ppb

Water=ug/L ppb

Results shown are: Volatile Organic Analytes

Extraction Method: EPA 5030 Purge & Trap

Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48798
Sample ID#1(CUST)	MW 4-02
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	8.0	1,1-Dichloropropene	<DL(U)	8.0
Vinyl Chloride	14.3	8.0	Carbon Tetrachloride	<DL(U)	8.0
Chloromethane	<DL(U)	8.0	1,2-Dichloroethane	<DL(U)	8.0
Bromomethane	<DL(U)	8.0	Trichloroethene	<DL(U)	8.0
Chloroethane	<DL(U)	8.0	1,2-Dichloropropane	<DL(U)	8.0
Trichlorofluoromethane	<DL(U)	8.0	Dibromomethane	<DL(U)	8.0
1,1-Dichloroethene	<DL(U)	8.0	Bromoform	<DL(U)	8.0
Acetone	<DL(U)	40.0	Bromodichloromethane	<DL(U)	8.0
Methylene Chloride	<DL(U)	40.0	1,1,2,2-Tetrachloroethane	<DL(U)	8.0
trans-1,2-Dichloroethene	<DL(U)	8.0	Benzene	<DL(U)	8.0
Methyl-tert-butyl ether	<DL(U)	8.0	cis-1,3-Dichloropropene	<DL(U)	8.0
1,1-Dichloroethane	95.7	8.0	4-Methyl-2-pentanone	<DL(U)	8.0
2,2-Dichloropropane	<DL(U)	8.0	Toluene	<DL(U)	8.0
cis-1,2-Dichloroethene	28.5	8.0	trans-1,3-Dichloropropene	<DL(U)	8.0
2-Butanone	<DL(U)	8.0	1,1,2-Trichloroethane	<DL(U)	8.0
Bromochloromethane	<DL(U)	8.0	Tetrachloroethene	<DL(U)	8.0
Chloroform	<DL(U)	8.0	1,3-Dichloropropane	<DL(U)	8.0
1,1,1-Trichloroethane	<DL(U)	8.0	2-Hexanone	<DL(U)	8.0

DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust	N.Y.S. DEC. REG. 9
Address:	270 MICHIGAN AVE.
	BUFFALO, N.Y. 14203-2999
Attn:	FRANCINE GALLEGO
Phone	851-7220
FAX	851-7252

PO Number:	SPILL # 9710497
Project Number	PIN # H80271
Project Cust:	
Project Site:	VIBRATECH BUFFALO
Date FAXED:	
Lab Director	

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* = See Individual Limit

Soil=ug/kg ppb

Water=ug/L ppb

Results shown are: **Volatile Organic Analytes**

Extraction Method: **EPA 5030 Purge & Trap**

Analysis Method: **EPA 8260 GC/MS**

Sample ID (LAB)	48798	
Sample ID#1(CUST)	MW 4-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	02/01/02	

	Results	Det Limit*		Results	Det Limit*
Dibromochloromethane	<DL(U)	8.0	1,3-Dichlorobenzene	<DL(U)	8.0
1,2-Dibromoethane	<DL(U)	8.0	4-Isopropyltoluene	<DL(U)	8.0
Ethylbenzene	<DL(U)	8.0	1,4-Dichlorobenzene	<DL(U)	8.0
m&p-Xylene	<DL(U)	16.0	1,2-Dichlorobenzene	<DL(U)	8.0
o-Xylene	<DL(U)	8.0	n-Butylbenzene	<DL(U)	8.0
Styrene	<DL(U)	8.0	1,2-Dibromo-3-chloropropane	<DL(U)	8.0
Isopropylbenzene	<DL(U)	8.0	1,2,4-Trichlorobenzene	<DL(U)	8.0
n-Propylbenzene	<DL(U)	8.0	Hexachlorobutadiene	<DL(U)	8.0
1,3,5-Trimethylbenzene	<DL(U)	8.0	Naphthalene	<DL(U)	20.0
tert-Butylbenzene	<DL(U)	8.0	1,2,3-Trichlorobenzene	<DL(U)	8.0
1,2,4-Trimethylbenzene	<DL(U)	8.0			
sec-Butylbenzene	<DL(U)	8.0			
p-Chlorotoluene	<DL(U)	8.0			
1,1,1,2-Tetrachloroethane	<DL(U)	8.0			
Bromobenzene	<DL(U)	8.0			
1,2,3-Trichloropropane	<DL(U)	8.0			
2-Chlorotoluene	<DL(U)	8.0			
4-Chlorotoluene	<DL(U)	8.0			

< DL(U)= analyzed but not detected

L= estimated value

B=analyte found in blank

E=exceed calibration range

J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48799	
ample ID#1(CUST)	MW 5-02	
ample ID#2(CUST)		
Matrix	WATER	
ampled By	DALE GRAMZA	
ate Sampled	01/23/02	
Date Received	01/28/02	09:00
ate Analyzed	01/31/02	
ate Reported	02/01/02	

	Results	Det Limit*		Results	Det Limit*
ichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
inyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
romomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
hloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
etone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
ans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
ethyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1,1-Dichloroethane	<DL(U)	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
omochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
loroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

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Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48799
Sample ID#1(CUST)	MW 5-02
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
m&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
Isopropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
tert-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	4.7	4.0
sec-Butylbenzene	4.4	4.0
Chlorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
1,2,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

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BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48800
ample ID#1(CUST)	EXISTING MW 2
ample ID#2(CUST)	
Matrix	WATER
ampled By	DALE GRAMZA
ate Sampled	01/23/02
Date Received	01/28/02 09:00
ate Analyzed	01/31/02
ate Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
ichlorodifluoromethane	<DL(U)	20.0	1,1-Dichloropropene	<DL(U)	20.0
inyl Chloride	33.9	20.0	Carbon Tetrachloride	<DL(U)	20.0
Chloromethane	<DL(U)	20.0	1,2-Dichloroethane	<DL(U)	20.0
romomethane	<DL(U)	20.0	Trichloroethene	<DL(U)	20.0
hloroethane	22.0	20.0	1,2-Dichloropropane	<DL(U)	20.0
Trichlorofluoromethane	<DL(U)	20.0	Dibromomethane	<DL(U)	20.0
1-Dichloroethene	<DL(U)	20.0	Bromoform	<DL(U)	20.0
etone	<DL(U)	100.0	Bromodichloromethane	<DL(U)	20.0
Methylene Chloride	<DL(U)	100.0	1,1,2,2-Tetrachloroethane	<DL(U)	20.0
ans-1,2-Dichloroethene	<DL(U)	20.0	Benzene	<DL(U)	20.0
ethyl-tert-butyl ether	<DL(U)	20.0	cis-1,3-Dichloropropene	<DL(U)	20.0
1,1-Dichloroethane	181.9	20.0	4-Methyl-2-pentanone	<DL(U)	20.0
-Dichloropropane	<DL(U)	20.0	Toluene	<DL(U)	20.0
-1,2-Dichloroethene	195.5	20.0	trans-1,3-Dichloropropene	<DL(U)	20.0
Methyl ethyl ketone	<DL(U)	20.0	1,1,2-Trichloroethane	<DL(U)	20.0
omochloromethane	<DL(U)	20.0	Tetrachloroethene	<DL(U)	20.0
loroform	<DL(U)	20.0	1,3-Dichloropropane	<DL(U)	20.0
1,1,1-Trichloroethane	23.7	20.0	2-Hexanone	<DL(U)	20.0

DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - METHOD 8260

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Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* = Soil=ug/kg ppb
See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48800
Sample ID#1(CUST)	EXISTING MW 2
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	20.0
1,2-Dibromoethane	<DL(U)	20.0
Ethylbenzene	<DL(U)	20.0
m&p-Xylene	<DL(U)	40.0
o-Xylene	<DL(U)	20.0
Styrene	<DL(U)	20.0
Isopropylbenzene	<DL(U)	20.0
n-Propylbenzene	<DL(U)	20.0
1,3,5-Trimethylbenzene	<DL(U)	20.0
tert-Butylbenzene	<DL(U)	20.0
1,2,4-Trimethylbenzene	<DL(U)	20.0
sec-Butylbenzene	<DL(U)	20.0
Chlorobenzene	<DL(U)	20.0
1,1,1,2-Tetrachloroethane	<DL(U)	20.0
Bromobenzene	<DL(U)	20.0
1,2,3-Trichloropropane	<DL(U)	20.0
2-Chlorotoluene	<DL(U)	20.0
4-Chlorotoluene	<DL(U)	20.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	20.0
4-Isopropyltoluene	<DL(U)	20.0
1,4-Dichlorobenzene	<DL(U)	20.0
1,2-Dichlorobenzene	<DL(U)	20.0
n-Butylbenzene	<DL(U)	20.0
1,2-Dibromo-3-chloropropane	<DL(U)	20.0
1,2,4-Trichlorobenzene	<DL(U)	20.0
Hexachlorobutadiene	<DL(U)	20.0
Naphthalene	<DL(U)	50.0
1,2,3-Trichlorobenzene	<DL(U)	20.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = See Individual Limit
Soil=ug/kg ppb
Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48801
ample ID#1(CUST)	EXISTING MW 6
Sample ID#2(CUST)	
Matrix	WATER
ampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
ate Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
ichlorodifluoromethane	<DL(U)	8.0	1,1-Dichloropropene	<DL(U)	8.0
Vinyl Chloride	<DL(U)	8.0	Carbon Tetrachloride	<DL(U)	8.0
Chloromethane	<DL(U)	8.0	1,2-Dichloroethane	<DL(U)	8.0
romomethane	<DL(U)	8.0	Trichloroethene	<DL(U)	8.0
Chloroethane	<DL(U)	8.0	1,2-Dichloropropane	<DL(U)	8.0
Trichlorofluoromethane	<DL(U)	8.0	Dibromomethane	<DL(U)	8.0
l-Dichloroethene	<DL(U)	8.0	Bromoform	<DL(U)	8.0
Acetone	<DL(U)	40.0	Bromodichloromethane	<DL(U)	8.0
Methylene Chloride	<DL(U)	40.0	1,1,2,2-Tetrachloroethane	<DL(U)	8.0
ans-1,2-Dichloroethene	<DL(U)	8.0	Benzene	<DL(U)	8.0
Methyl-tert-butyl ether	<DL(U)	8.0	cis-1,3-Dichloropropene	<DL(U)	8.0
1-Dichloroethane	<DL(U)	8.0	4-Methyl-2-pentanone	<DL(U)	8.0
-Dichloropropane	<DL(U)	8.0	Toluene	<DL(U)	8.0
cis-1,2-Dichloroethene	10.3	8.0	trans-1,3-Dichloropropene	<DL(U)	8.0
Methyl ethyl ketone	<DL(U)	8.0	1,1,2-Trichloroethane	<DL(U)	8.0
omochloromethane	<DL(U)	8.0	Tetrachloroethene	<DL(U)	8.0
Chloroform	<DL(U)	8.0	1,3-Dichloropropane	<DL(U)	8.0
1,1,1-Trichloroethane	<DL(U)	8.0	2-Hexanone	<DL(U)	8.0

DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
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Phone 851-7220
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PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48801
Sample ID#1(CUST)	EXISTING MW 6
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	8.0
1,2-Dibromoethane	<DL(U)	8.0
Ethylbenzene	<DL(U)	8.0
m&p-Xylene	<DL(U)	16.0
o-Xylene	<DL(U)	8.0
Styrene	<DL(U)	8.0
Isopropylbenzene	<DL(U)	8.0
n-Propylbenzene	<DL(U)	8.0
1,3,5-Trimethylbenzene	<DL(U)	8.0
tert-Butylbenzene	<DL(U)	8.0
1,2,4-Trimethylbenzene	<DL(U)	8.0
sec-Butylbenzene	<DL(U)	8.0
Chlorobenzene	<DL(U)	8.0
1,1,1,2-Tetrachloroethane	<DL(U)	8.0
Bromobenzene	<DL(U)	8.0
1,2,3-Trichloropropane	<DL(U)	8.0
2-Chlorotoluene	<DL(U)	8.0
4-Chlorotoluene	<DL(U)	8.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	8.0
4-Isopropyltoluene	<DL(U)	8.0
1,4-Dichlorobenzene	<DL(U)	8.0
1,2-Dichlorobenzene	<DL(U)	8.0
n-Butylbenzene	<DL(U)	8.0
1,2-Dibromo-3-chloropropane	<DL(U)	8.0
1,2,4-Trichlorobenzene	<DL(U)	8.0
Hexachlorobutadiene	<DL(U)	8.0
Naphthalene	<DL(U)	20.0
1,2,3-Trichlorobenzene	<DL(U)	8.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

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Address: 270 MICHIGAN AVE.
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Phone 851-7220
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PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48802
Sample ID#1(CUST)	EXISTING MW 7
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
Bromomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1,1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
rans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
',1-Dichloroethane	<DL(U)	4.0	4-Methyl-2-pentanone	<DL(U)	4.0
,2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
cis-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
Bromochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
',1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48802
Sample ID#1(CUST)	EXISTING MW 7
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/23/02
Date Received	01/28/02 09:00
Date Analyzed	01/31/02
Date Reported	02/01/02

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
n&p-Xylene	<DL(U)	8.0
-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
sopropylbenzene	<DL(U)	4.0
-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
ert-Butylbenzene	<DL(U)	4.0
,2,4-Trimethylbenzene	<DL(U)	4.0
ec-Butylbenzene	<DL(U)	4.0
hlorobenzene	<DL(U)	4.0
,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
2,3-Trichloropropane	<DL(U)	4.0
-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0

	Results	Det Limit*
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	4.0
Naphthalene	<DL(U)	10.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

DL = Detection Limit

Lozier Analytical Group

Lozier Laboratories, Inc. #10390
EXPRESSLAB, Inc. #11389

888-841-3227
800-843-5227

This Fax Came from:
☐ Lozier Laboratories, Inc. ☒ EXPRESSLAB, Inc.

Date: 2-25-02

To: Nichole

Fax To: 937-9360

From: Nick Todesche

Fax From: 716-554-4114

Subject: Lab Reports

Pages: 28 + cover

Notes:

Lozier Laboratories, Inc.
696 N. Winton Rd.
Rochester, NY 14609
888-841-3227
FAX 716-554-4114

Lozier Laboratories, Inc.
5611 Water Street
Middlesex, NY 14507
888-841-3227
FAX 716-554-4114

ExpressLab
5611 Water St.
Middlesex, NY 14507
800-843-5227
FAX 716-554-4114

537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271
EPA 3510 Liquid-Liquid

EPA 8270 GC/MS

Water Analytical Results mg/L ppm

Sample ID (right)	MW 1-02	MW 2-02	MW 3-02	MW 4-02	MW 5-02	Existing MW 2	Existing MW 6	Existing MW 7
Naphthalene	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	-	-	-	-	-

- = Below Laboratory Detection Limits

Sampled by: Dale M. Gramza
Date Sampled: 1/23/02
EPA 8270 GC/MS

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

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Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

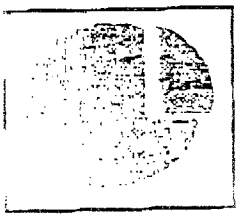
SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type: Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48795	
Sample ID#1(CUST)	MW 1-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	**Det Limit***
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit



Lozier Analytical Group

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LABORATORY REPORT - 8270 PAH

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Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48796	
Sample ID#1(CUST)	MW 2-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	

	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

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Phone 851-7220
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PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48797	
Sample ID#1(CUST)	MW 3-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	**Det Limit***
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
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PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48798	
Sample ID#1(CUST)	MW 4-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
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Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48799	
Sample ID#1(CUST)	MW 5-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48800	
Sample ID#1(CUST)	EXISTING MW 2	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
ddress: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
ttn: FRANCINE GALLEGO

Phone 851-7220
AX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

esults in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
lee Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48801	
ample ID#1(CUST)	EXISTING MW 6	
imple ID#2(CUST)		
Matrix	WATER	
ampled By	DALE GRAMZA	
ate Sampled	01/23/02	
Date Received	01/28/02	09:00
ate Analyzed	01/31/02	
ate Reported	01/31/02	
	Results	Det Limit*
aphthalene	< DL(U)	0.010
cenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
uorene	< DL(U)	0.010
enanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
uoranthene	< DL(U)	0.010
yrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
hrysene	< DL(U)	0.010
enzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
enzo(a)pyrene	< DL(U)	0.010
ideno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
enzo(g,h,i)perylene	< DL(U)	0.010

DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water-mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48802	
Sample ID#1(CUST)	EXISTING MW 7	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	
Date Received	01/28/02	09:00
Date Analyzed	01/31/02	
Date Reported	01/31/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

Attachment #8
Groundwater Analytical Results
Method 310.13 Laboratory Report

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

537 East Delavan
Buffalo, NY
Erie County
NYSDEC - Region 9
Spill #9710497
Pin #H80271
EPA 3550 Sonication

TPH 310.13

Water Analytical Results mg/L ppm

Sample ID (right)	MW 1-02	MW 3-02	Existing MW 6
Kerosene	-	-	-
Fuel Oil #2	-	-	-
Lube Oil	16.3	-	-
Gasoline	Not Detected	Not Detected	Not Detected
Inknown Hydrocarbons	-	-	-

- = Below Laboratory Detection Limits

Sampled by: Dale M. Gramza
Date Sampled: 1/23/02
EPA 8270 GC/MS

Lozier Analytical Group
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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TPH-310.13

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Extraction Method: EPA 3550 Sonication
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48795	
Sample ID#1(CUST)	MW 1-02	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	00:00
Date Received	01/28/02	09:00
Date Analyzed	01/28/02	
Date Reported	01/29/02	
		Det Limit*(ppm)
Kerosene	< DL(U)	0.1
Fuel Oil #2	< DL(U)	0.1
Lube Oil	16.3	0.1
Gasoline	Not Detected	
Unknown Hydrocarbons	< DL(U)	0.1

E=Exceeds calibration range
J=Detected above MDL, but below PQL

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TPH-310.13

ıst	N.Y.S. DEC. REG. 9
ıdress:	270 MICHIGAN AVE.
	BUFFALO, N.Y. 14203-2999
ın:	FRANCINE GALLEGO
Phone	851-7220
AX	851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

sults in bold type; Detection Limits in small print

Detection Limits* = Water=mg/L ppm

ee Individual Limit

Extraction Method: EPA 3550 Sonication

Analysis Method: EPA 8270 GC/MS

	48797	
Sample ID (LAB)		
Sample ID#1(CUST)	MW 3-02	
mple ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
ate Sampled	01/23/02	00:00
Date Received	01/28/02	09:00
Date Analyzed	01/28/02	
ate Reported	01/29/02	
		Det Limit*(ppm)
Kerosene	< DL(U)	0.1
uel Oil #2	< DL(U)	0.1
Lube Oil	< DL(U)	0.1
Gasoline	Not Detected	
nknown Hydrocarbons	< DL(U)	0.1

E=Exceeds calibration range

=Detected above MDL, but below PQL

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TPH-310.13

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BUFFALO, N.Y. 14203-2999
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH BUFFALO
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
See Individual Limit

Extraction Method: EPA 3550 Sonication
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48801	
Sample ID#1(CUST)	EXISTING MW 6	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/23/02	00:00
Date Received	01/28/02	09:00
Date Analyzed	01/28/02	
Date Reported	01/29/02	
		Det Limit*(ppm)
Kerosene	< DL(U)	0.1
Fuel Oil #2	< DL(U)	0.1
Lube Oil	< DL(U)	0.1
Gasoline	Not Detected	
Unknown Hydrocarbons	< DL(U)	0.1

E=Exceeds calibration range
J=Detected above MDL, but below PQL

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

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SENECA FALLS
(315) 568-1664

Attachment #9
Groundwater Analytical Results
Basement and Drum Contents

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TPH-310.13

Cust N.Y.S. DEC. REG. 9
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BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Extraction Method: EPA 3550 Sonication
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48696	
Sample ID#1(CUST)	BASEMENT WATER	
Sample ID#2(CUST)		
Matrix	DALE GRAMZA	
Sampled By	01/22/02	
Date Sampled	01/00/00	
Date Received	01/24/02	
Date Analyzed	01/25/02	
Date Reported	01/28/02	
		Det Limit*(ppm)
Kerosene	< DL(U)	0.1
Fuel Oil #2	< DL(U)	0.1
Lube Oil	< DL(U)	0.1
Gasoline	Not Detected	
Unknown Hydrocarbons	< DL(U)	0.1

E=Exceeds calibration range
J=Detected above MDL, but below PQL

RESULTS WHEN YOU WANT THEM

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TPH-Diesel

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851 7220
FAX 851-7767

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type, Detection Limits in small print
Detection Limits* = Water mg/L ppm
*See Individual Limit

Results shown are: TPH-Diesel
Extraction Method: EPA 8015M
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48696	
Sample ID#1(CUST)	BASEMENT WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	
Date Received	01/25/02	
Date Analyzed	01/25/02	
Date Reported	01/28/02	
		Det Limit*(ppm)
TPH(Diesel Range)	< DL(U)	0.1

J=Detected above MDL, but below PQL

Lozier Analytical Group
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LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
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BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # II80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* –
*See Individual Limit
Soil=ug/kg ppb
Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	4A696
Sample ID#1(CUST)	BASEMENT WATER
Sample ID#2(CUST)	
Matrix	WATER
Sampled By	DALE GRAMZA
Date Sampled	01/22/02 03:00
Date Received	01/23/02 05:10
Date Analyzed	01/29/02
Date Reported	01/30/02

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	4.0	1,1-Dichloropropene	<DL(U)	4.0
Vinyl Chloride	<DL(U)	4.0	Carbon Tetrachloride	<DL(U)	4.0
Chloromethane	<DL(U)	4.0	1,2-Dichloroethane	<DL(U)	4.0
Bromomethane	<DL(U)	4.0	Trichloroethene	<DL(U)	4.0
Chloroethane	<DL(U)	4.0	1,2-Dichloropropane	<DL(U)	4.0
Trichlorofluoromethane	<DL(U)	4.0	Dibromomethane	<DL(U)	4.0
1,1-Dichloroethene	<DL(U)	4.0	Bromoform	<DL(U)	4.0
Acetone	<DL(U)	20.0	Bromodichloromethane	<DL(U)	4.0
Methylene Chloride	<DL(U)	20.0	1,1,2,2-Tetrachloroethane	<DL(U)	4.0
trans-1,2-Dichloroethene	<DL(U)	4.0	Benzene	<DL(U)	4.0
Methyl-tert-butyl ether	<DL(U)	4.0	cis-1,3-Dichloropropene	<DL(U)	4.0
1,1-Dichloroethane	<DL(U)	4.0	4-Methyl 2-pentanone	<DL(U)	4.0
2,2-Dichloropropane	<DL(U)	4.0	Toluene	<DL(U)	4.0
cis-1,2-Dichloroethene	<DL(U)	4.0	trans-1,3-Dichloropropene	<DL(U)	4.0
Methyl ethyl ketone	<DL(U)	4.0	1,1,2-Trichloroethane	<DL(U)	4.0
Bromochloromethane	<DL(U)	4.0	Tetrachloroethene	<DL(U)	4.0
Chloroform	<DL(U)	4.0	1,3-Dichloropropane	<DL(U)	4.0
1,1,1-Trichloroethane	<DL(U)	4.0	2-Hexanone	<DL(U)	4.0

* DL = Detection Limit

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LABORATORY REPORT - METHOD 8260

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Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48696	
Sample ID#1(CUST)	BASEMENT WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	03:00
Date Received	01/23/02	08:10
Date Analyzed	01/29/02	
Date Reported	01/30/02	

	Results	Det Limit*
Dibromochloromethane	<DL(U)	4.0
1,2-Dibromoethane	<DL(U)	4.0
Ethylbenzene	<DL(U)	4.0
m&p-Xylene	<DL(U)	8.0
o-Xylene	<DL(U)	4.0
Styrene	<DL(U)	4.0
Isopropylbenzene	<DL(U)	4.0
n-Propylbenzene	<DL(U)	4.0
1,3,5-Trimethylbenzene	<DL(U)	4.0
tert-Butylbenzene	<DL(U)	4.0
1,2,4-Trimethylbenzene	<DL(U)	4.0
sec-Butylbenzene	<DL(U)	4.0
Chlorobenzene	<DL(U)	4.0
1,1,1,2-Tetrachloroethane	<DL(U)	4.0
Bromobenzene	<DL(U)	4.0
1,2,3-Trichloropropane	<DL(U)	4.0
2-Chlorotoluene	<DL(U)	4.0
4-Chlorotoluene	<DL(U)	4.0
1,3-Dichlorobenzene	<DL(U)	4.0
4-Isopropyltoluene	<DL(U)	4.0
1,4-Dichlorobenzene	<DL(U)	4.0
1,2-Dichlorobenzene	<DL(U)	4.0
n-Butylbenzene	<DL(U)	4.0
1,2-Dibromo-3-chloropropane	<DL(U)	4.0
1,2,4-Trichlorobenzene	<DL(U)	4.0
Hexachlorobutadiene	<DL(U)	10.0
Naphthalene	<DL(U)	4.0
1,2,3-Trichlorobenzene	<DL(U)	4.0

< DL(U)= analyzed but not detected
J = estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group
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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* - Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48696	
Sample ID#1(CUST)	BASEMENT WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	
Date Received	01/22/02	
Date Analyzed	01/23/02	
Date Reported	01/28/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3 c,d)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL - Detection Limit

Lozier Analytical Group

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LABORATORY REPORT - TPH-310.13

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director:

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print

Detection Limits* – Water=mg/L ppm

*See Individual Limit

Extraction Method: EPA 3550 Sonication

Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	18697	
Sample ID#1(CUST)	DRUM WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	
Date Received	01/24/02	
Date Analyzed	01/25/02	
Date Reported	01/28/02	
		Det Limit*(ppm)
Kerosene	< DL(U)	0.1
Fuel Oil #2	< DL(U)	0.1
Lube Oil	42.9	0.1
Gasoline	Not Detected	
Unknown Hydrocarbons	< DL(U)	0.1

E=Exceeds calibration range

J=Detected above MDL, but below PQL

Lozier Analytical Group

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LABORATORY REPORT - 8270 PAH

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Water=mg/L ppm
*See Individual Limit

Results shown are: PAH Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48697	
Sample ID#1(CUST)	DRUM WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	
Date Received	01/23/02	00:00
Date Analyzed	01/26/02	
Date Reported	01/28/02	
	Results	Det Limit*
Naphthalene	< DL(U)	0.010
Acenaphthylene	< DL(U)	0.010
Acenaphthene	< DL(U)	0.010
Fluorene	< DL(U)	0.010
Phenanthrene	< DL(U)	0.010
Anthracene	< DL(U)	0.010
Fluoranthene	< DL(U)	0.010
Pyrene	< DL(U)	0.010
Benzo(a)anthracene	< DL(U)	0.010
Chrysene	< DL(U)	0.010
Benzo(b)fluoranthene	< DL(U)	0.010
Benzo(k)fluoranthene	< DL(U)	0.010
Benzo(a)pyrene	< DL(U)	0.010
Indeno(1,2,3-cd)pyrene	< DL(U)	0.010
Dibenz(a,h)anthracene	< DL(U)	0.010
Benzo(g,h,i)perylene	< DL(U)	0.010

* DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type: Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48697	
Sample ID#1(CUST)	DRUM WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE CRAMZA	
Date Sampled	01/22/02	03:00
Date Received	01/23/02	05:10
Date Analyzed	01/29/02	
Date Reported	01/30/02	

	Results	Det Limit*		Results	Det Limit*
Dichlorodifluoromethane	<DL(U)	20.0	1,1 Dichloropropene	<DL(U)	20.0
Vinyl Chloride	<DL(U)	20.0	Carbon Tetrachloride	<DL(U)	20.0
Chloromethane	<DL(U)	20.0	1,2-Dichloroethane	<DL(U)	20.0
Bromomethane	<DL(U)	20.0	Trichloroethene	<DL(U)	20.0
Chloroethane	<DL(U)	20.0	1,2-Dichloropropane	<DL(U)	20.0
Trichlorofluoromethane	<DL(U)	20.0	Dibromomethane	<DL(U)	20.0
1,1-Dichloroethene	<DL(U)	20.0	Bromoform	<DL(U)	20.0
Acetone	<DL(U)	100.0	Bromodichloromethane	<DL(U)	20.0
Methylene Chloride	<DL(U)	100.0	1,1,2,2-Tetrachloroethane	<DL(U)	20.0
trans-1,2-Dichloroethene	<DL(U)	20.0	Benzene	<DL(U)	20.0
Methyl-tert-butyl ether	<DL(U)	20.0	cis-1,3-Dichloropropene	<DL(U)	20.0
1,1-Dichloroethane	<DL(U)	20.0	4-Methyl-2-pentanone	<DL(U)	20.0
2,2-Dichloropropane	<DL(U)	20.0	Toluene	<DL(U)	20.0
cis-1,2-Dichloroethene	<DL(U)	20.0	trans-1,3-Dichloropropene	<DL(U)	20.0
Methyl ethyl ketone	<DL(U)	20.0	1,1,2-Trichloroethane	<DL(U)	20.0
Bromochloromethane	<DL(U)	20.0	Tetrachloroethene	<DL(U)	20.0
Chloroform	<DL(U)	20.0	1,3-Dichloropropane	<DL(U)	20.0
1,1,1-Trichloroethane	<DL(U)	20.0	2-Hexanone	<DL(U)	20.0

* DL = Detection Limit

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/L ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48697	
Sample ID#1(CUST)	DRUM WATER	
Sample ID#2(CUST)		
Matrix	WATER	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	03:00
Date Received	01/23/02	05:10
Date Analyzed	01/29/02	
Date Reported	01/30/02	

	Results	Det Limit*
Dibromochloromethane	<DL(U)	20.0
1,2-Dibromoethane	<DL(U)	20.0
Ethylbenzene	<DL(U)	20.0
m&p-Xylene	<DL(U)	40.0
o-Xylene	<DL(U)	20.0
Styrene	<DL(U)	20.0
Isopropylbenzene	<DL(U)	20.0
n-Propylbenzene	<DL(U)	20.0
1,3,5-Trimethylbenzene	<DL(U)	20.0
tert-Butylbenzene	<DL(U)	20.0
1,2,4-Trimethylbenzene	<DL(U)	20.0
sec-Butylbenzene	<DL(U)	20.0
Chlorobenzene	<DL(U)	20.0
1,1,1,2-Tetrachloroethane	<DL(U)	20.0
Bromobenzene	<DL(U)	20.0
1,2,3-Trichloropropane	<DL(U)	20.0
2-Chlorotoluene	<DL(U)	20.0
4-Chlorotoluene	<DL(U)	20.0
1,3-Dichlorobenzene	<DL(U)	20.0
4-Isopropyltoluene	<DL(U)	20.0
1,4-Dichlorobenzene	<DL(U)	20.0
1,2-Dichlorobenzene	<DL(U)	20.0
n-Butylbenzene	<DL(U)	20.0
1,2-Dibromo-3-chloropropane	<DL(U)	20.0
1,2,4-Trichlorobenzene	<DL(U)	20.0
Hexachlorobutadiene	<DL(U)	20.0
Naphthalene	<DL(U)	20.0
1,2,3-Trichlorobenzene	<DL(U)	20.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

40090 48697 MANILLA COPY

AB

WORKORDER

P.O. Box 40, 3811 Water Street, Middlesex, NY 14507
NY #11369 NJ #73744 CA #2053 SC #91011
Phone #: 800-843-3227
Fax #: 585-554-4114

"Specializing in Environmental Soil Tests"

10 days

Date Due: 2/6/02

☒ Standard Service ☐ Rush Service

Customer:	NYSDEC Reg 9
Address:	270 Michigan Ave
City / State / Zip:	Buffalo, NY, 14203-2999
Phone:	(716) 851-7220
Fax:	(716) 851-7252
Contact:	Frankie Gallego

PO No.:	
Project No.:	
Project Cust.:	
Project Site:	Vibratech
Spill No.:	9710497
Pin No.:	K80271

Sample Demographics and Parameters for Analysis

Special Instructions: Please copy NYSDEC on report

Suspect Ingredient: ☐ Diesel ☐ Gasoline ☐ Oil

Date	Time	Sample Description & Location	Matrix: Aqueous	Matrix: Soil	Matrix: Other	310.13	8260 GC/MS	8270			
1. 1/22/02	3:00	Basement water	X			X	X	X			
2. 1/22/02	3:00	Drum water	X			X	X	X			
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											
11.											

Chain of Custody Record

# of Samples:	2
# of Containers:	8
Sampler:	Dale M. Chamzik
Signature:	[signature]

Samples Sent By: ☐ Express Mail ☒ Hand Delivery

Custody Seal Intact? ☒ Yes ☐ No ☐ N/A

Shipment Complete? ☒ Yes ☐ No ☐ N/A

Temperature: 5°C Fahrenheit

SAMPLES RELENQUISHED BY: Name & Signature	Date and Time	SAMPLES RECEIVED BY: Name & Signature	Date and Time
1 G. Schmidbauer [signature]	1/23/02	1 [signature]	1/23/02 1500
2		2	
3		Received for Laboratory By: [signature]	1/23 5:10

"Results when YOU want them!"

LOZIER ANALYTICAL GROUP

Original - Lab Copy; Yellow - Customer Copy; Pink - Sampler Copy

CONFIDENTIAL INFORMATION

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SENECA FALLS
(315) 568-1664

Attachment #10
Wood Floor Analytical Results
Full TCLP with Pesticides/Herbicides and PCBs

3553 CRITTENDEN ROAD • CRITTENDEN, NEW YORK 14038 • FAX (716) 937-9360
1771 AUBURN ROAD • SENECA FALLS, NEW YORK 13148 • FAX (315) 568-9179

Laboratory Test Report

Lozier Laboratories, Inc.
5611 Water St.
Middlesex, NY. 14507
Phone (585)-554-3550
Fax (585)-554-4114

New York State
Approved
Environmental Laboratory
10390

Prepared for: ExpressLab, Inc.
5611 Water St., Middlesex, NY 14507

Laboratory Number: 15932
Report Date: 1/29/02

ExpressLab Client: NYSDEC Region #9
270 Michigan Ave.
Buffalo, NY 14203-2999
Attention: Francine Gallego

Client Project Site: Vibratech
Client Spill Number: 0710097
Client PIN Number: H60271

Sample Information
Date Received at Lozier: 1/23/02
Date Received at ExpressLab: 1/23/02
Sample Date: 1/22/02
Sampled By: Client
Matrix: Other

Lozier Sample ID:	15932-1
ExpressLab Sample ID:	48692
NYSDEC Sample ID:	Stockpiled Wood Flooring Comp.

Parameter		Units	Method Number	Analysis Date
TCLP Arsenic	<0.005	mg/l	EPA 6010B	1/28/02
TCLP Selenium	0.008	mg/l	EPA 6010B	1/28/02
TCLP Cadmium	0.021	mg/l	EPA 6010B	1/28/02
TCLP Chromium	<0.008	mg/l	EPA 6010B	1/28/02
TCLP Barium	0.212	mg/l	EPA 6010B	1/28/02
TCLP Silver	<0.005	mg/l	EPA 6010B	1/28/02
TCLP Lead	0.010	mg/l	EPA 6010B	1/28/02
TCLP Mercury	<0.002	mg/l	EPA 7470	1/28/02

CLAP APPROVED LAB # 10390
NELAP APPROVED LAB
ExpressLab ELAP # 11369

Approved By: James E. Lozier
Technical Director

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227

☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - MISC

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7257

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in hold type
Detection Limits = Water–ug/L or PPM
Soil–mg/Kg or PPM

Sample ID (LAB)	48692
Sample ID#1(CUST)	STOCKPILED WOOD
Sample ID#2(CUST)	
Matrix	SOLID
Sampled By	DALE GRAMZA
Date Sampled	01/22/02 12:00
Date Received	01/23/02 05:05
Date Analyzed	01/24/02
Date Reported	01/29/02
Ignitability:	Negative , No flash to 140F/60C
Corrosivity:	pH=5.80
Reactivity:	Sulfide: <20 PPM Cyanide: <20 PPM

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - PCB's by 8082

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number: PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* – Soil=ug/kg ppb
*See Individual Limit

Extraction Method: 3550 Sonication
Analysis Method: EPA 8082 GC with ECD

Sample ID (LAB)	48692	
Sample ID#1(CUST)	STOCKPILED WOOD	
Sample ID#2CUST)		
Matrix	SOLID	
Sampled By	DALE GRAMZA	
Date Sampled	1/22/02	12:00
Date Received	1/23/02	5:05
Date Analyzed	1/29/02	
Date Reported	1/30/02	
	Results	**Det Limit***
Aroclor 1016	< DL(U)	16.7
Aroclor 1221	< DL(U)	16.7
Aroclor 1232	< DL(U)	16.7
Aroclor 1242	< DL(U)	16.7
Aroclor 1248	< DL(U)	16.7
Aroclor 1254	< DL(U)	16.7
Aroclor 1260	< DL(U)	16.7

< DL(U)=analyzed but not detected
L=estimated value
B=analyte found in blank
E=exceed calibration range

* DL = Detection Limit

RESULTS WHEN YOU WANT THEM PCB

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - TCLP 8260

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit Water=ug/l ppb

Results shown are: Volatile Organic Analytes
Extraction Method: EPA 5030 Purge & Trap
Analysis Method: EPA 8260 GC/MS

Sample ID (LAB)	48692	
Sample ID#1(CUST)	STOCKPILED WOOD	
Sample ID#2(CUST)		
Matrix	SOLID	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	12:00
Date Received	01/23/02	05:05
Date Analyzed	02/01/02	
Date Reported	02/04/02	
	Results	Det Limit*
Vinyl Chloride	<DL(U)	2.0
1,1-Dichloroethene	<DL(U)	2.0
Methyl ethyl ketone	<DL(U)	2.0
Chloroform	<DL(U)	2.0
1,1-Dichloropropene	<DL(U)	2.0
Carbon Tetrachloride	<DL(U)	2.0
1,2-Dichloroethane	<DL(U)	2.0
Trichloroethene	<DL(U)	2.0
Benzene	<DL(U)	2.0
Tetrachloroethene	<DL(U)	2.0
Chlorobenzene	<DL(U)	2.0
Hexachlorobutadiene	<DL(U)	2.0
1,4-Dichlorobenzene	<DL(U)	2.0

< DL(U)= analyzed but not detected
L= estimated value
B=analyte found in blank
E=exceed calibration range
J= < pql but > MDL

* DL = Detection Limit

Lozier Analytical Group

☐ Lozier Laboratories, Inc., #10390 888 - 841 - 5227
☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - PCB's by 8082

Cust: N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil=ug/kg ppb
*See Individual Limit

Extraction Method: 3550 Sonication
Analysis Method: EPA 8082 GC with ECD

Sample ID (LAB)	18692	
Sample ID#1(CUST)	STOCKPILED WOOD	
Sample ID#2(CUST)		
Matrix	SOLID	
Sampled By	DALE GRAMZA	
Date Sampled	1/22/02 12:00	
Date Received	1/23/02 5:05	
Date Analyzed	2/2/02	
Date Reported	2/4/02	
	Results	Det Limit*
Aroclor 1016	< DL(U)	16.7
Aroclor 1221	< DL(U)	16.71
Aroclor 1232	< DL(U)	16.7
Aroclor 1242	< DL(U)	16.7
Aroclor 1248	< DL(U)	16.7
Aroclor 1254	< DL(U)	16.7
Aroclor 1260	< DL(U)	16.7

< DL(U)=analyzed but not detected
L=estimated value
B=analyte found in blank
E=exceed calibration range

* DL = Detection Limit

RESULTS WHEN YOU WANT THEM PCB

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - METHOD 8081

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number: PIN # H80271
Project Cust
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* = Soil–ug/kg ppb
*See Individual Limit Water–ug/L ppb

Results shown are: Pesticides only
Extraction Method: EPA 3550
Analysis Method: EPA 8081 GC ECD

Sample ID (LAB)	48692
Sample ID#1(CUST)	STOCKPILED WOOD
Sample ID#2(CUST)	
Matrix	SOLID
Sampled By	DALE GRAMZA
Date Sampled	1/23/02
Date Received	1/23/02 5:05
Date Analyzed	2/2/02
Date Reported	2/4/02

	Results	Det Limit*
Alpha BHC	< DL(U)	0.1
Beta BHC	< DL(U)	0.1
Gamma BHC	< DL(U)	0.1
Heptachlor	< DL(U)	0.1
Delta BHC	< DL(U)	0.1
Aldrin	< DL(U)	0.1
Heptachlor Epoxide	< DL(U)	0.1
Gamma Chlordane	< DL(U)	0.1
Alpha Chlordane	< DL(U)	0.1
Endosulfan I	< DL(U)	0.1
4,4' DDE	< DL(U)	0.1
Dieldrin	< DL(U)	0.1
Endrin	< DL(U)	0.1
4,4' DDD	< DL(U)	0.2
Endsulfan II	< DL(U)	0.2

	Results	Det Limit*
4-4' DDT	< DL(U)	0.2
Endrin Aldehyde	< DL(U)	0.1
Endosulfan Sulfate	< DL(U)	0.2
Methoxychlor	< DL(U)	1.1
Endrin Ketone	< DL(U)	0.2

* DL = Detection Limit

< DL(U)=analyzed but not detected
J=estimated value
B=analyte found in blank
E=exceed calibration range

RESULTS WHEN YOU WANT THEM pest

Lozier Analytical Group

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☐ EXPRESSLAB, Inc., #11369 800 - 843 - 5227

LABORATORY REPORT - 8270 TCLP

Cust N.Y.S. DEC. REG. 9
Address: 270 MICHIGAN AVE.
BUFFALO, N.Y. 14203
Attn: FRANCINE GALLEGO

Phone 851-7220
FAX 851-7252

PO Number: SPILL # 9710497
Project Number PIN # H80271
Project Cust:
Project Site: VIBRATECH
Date FAXED:
Lab Director

SAMPLE DEMOGRAPHICS AND TEST RESULTS

Results in bold type; Detection Limits in small print
Detection Limits* – Water=mg/L ppm
*See Individual Limit

Results shown are: TCLP 8270 Compounds
Extraction Method: EPA 3510 Liquid-Liquid
Analysis Method: EPA 8270 GC/MS

Sample ID (LAB)	48692	
Sample ID#1(CUST)	STOCKPILED WOOD	
Sample ID#2(CUST)		
Matrix	SOLID	
Sampled By	DALE GRAMZA	
Date Sampled	01/22/02	12:00
Date Received	01/23/02	05:05
Date Analyzed	02/01/02	
Date Reported	02/04/02	

	Results	Det Limit*
2-Methylphenol	< DL(U)	0.017
3&4-Methylphenol	< DL(U)	0.033
Hexachlorobenzene	< DL(U)	0.017
Hexachlorobutadiene	< DL(U)	0.017
Hexachloroethane	< DL(U)	0.017
Nitrobenzene	< DL(U)	0.017
Pentachlorophenol	< DL(U)	0.017
Pyridine	< DL(U)	0.017
2,4,5-Trichlorophenol	< DL(U)	0.017
2,4,6-Trichlorophenol	< DL(U)	0.017
2,4-Dinitrotoluene	< DL(U)	0.017
1,4-Dichlorobenzene	< DL(U)	0.017

* DL = Detection Limit

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SSLAB

WORKORDER

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NY #11369 NJ #73744 CA #2055 SC #91011
Phone #: 800-340-3227
Fax #: 585-554-4114
"Specializing in Environmental Soil Tests"

10 days
Date Due: 2/6/02
☐ Standard Service ☐ Rush Service

Customer:	NYSDEC REGION 9
Address:	270 MICHIGAN AVENUE
City / State / Zip:	BUFFALO NY 14203-2999
Phone:	(716) 851-7220
Fax:	(716) 851-7252
Contact:	Francine Gallego

PO No.:	
Project No.:	
Project Cust.:	
Project Site:	VIBRATECH
Spill No.:	9710497
Pin No.:	H80271

Sample Demographics and Parameters for Analysis

Special Instructions: Please also fax results to NWEC&C at (716) 938-9360

Suspect Ingredient: ☐ Diesel ☐ Gasoline ☐ Oil

Date	Time	Sample Description & Location	Aqueous	Soil	Other	Full TCLP – Pesticides	PCB's				
1. 1/23/02	12:00	~~[illegible]~~ Stockpiled Wood Flooring Comp.			X	X	X				
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											
11.											

Chain of Custody Record

# of Samples:	5
# of Containers:	3
Sampler:	David M. Gizanza
Signature:	[signature]

Samples Sent By: ☐ ExpressMail ☒ Hand Delivery
Custody Seal Intact? ☒ Yes ☐ No ☐ N/A
Shipment Complete? ☒ Yes ☐ No ☐ N/A
Temperature: 4°C ~~Fahrenheit~~

SAMPLES RELENQUISHED BY: Name & Signature	Date and Time	SAMPLES RECEIVED BY: Name & Signature	Date and Time
1		1 [signature]	1/23/02 1700
2		2	
3		Received for Laboratory By: [signature]	1/23 5:05

"Results when YOU want them!"

LOZIER ANALYTICAL GROUP

Original - Lab Copy: Yellow - Customer Copy: Pink - Sampler Copy

CONFIDENTIAL INFORMATION