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ENVIRONMENTAL QUALITY REGION 5 WARRENSBURG, N.Y.

SUBSURFACE INVESTIGATION

performed at

Camarota's Cleaners 323 Park Avenue Mechanicville, New York

performed for

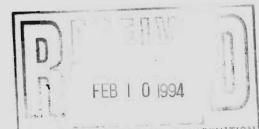
New York State Department of Environmental Conservation

Region 5 Hudson Street Warrensburg, New York 12885-0220

prepared by

Environmental Products & Services, Inc. Port of Albany Albany, NY 12202

September, 1992



SUBSURFACE INVESTIGATION INVESTIGATION SUBSURFACE INVESTIGATION SUBSURF

RAY BROOK, NEW YORK 12977

performed at

Spill # 91-04582 Camarota's Cleaners 323 Park Mechanicville, New York

for

New York State Department of Environmental Conservation Region 5 Hudson Warrensburg, NY

prepared by

Environmental Products and Services, Inc. Albany, NY (518) 465-4000

Completion date - September, 1992

Prepared By:

Reviewed By:

Thomas A. Butler Hydrogeologist

Technical Director

Table of Contents

1.0	INTRODUCTION	1
2.0	INVESTIGATION OBJECTIVES	1
3.0	SITE DESCRIPTION	2
4.0	GROUNDWATER QUALITY ASSESSMENT AND USAGE	3
5.0	SOIL GAS SURVEY	3
6.0	LOCAL GEOLOGY	4
7.0	METHODOLOGY	4
	7.1 Monitoring Well Installation 7.2 Monitoring Well Construction and Development 7.3 Monitoring and Surveying 7.4 Monitoring Well Sampling Procedures 7.5 Soil Sampling Procedures	6 7
8.0	HYDROGEOLOGIC FINDINGS AND DATA INTERPRETATION	8
	8.1 Site Geology 8.2 Site Hydrogeology 8.3 Soil Sampling Results 8.4 Groundwater Sampling Results 8.5 Sensitive Receptors	910
9.0	RECOMMENDATIONS 1	2

-Figures-

- 1. Site Location Map
- 2. Site Map
- 3. Bedrock Topography Map
- 4. Groundwater Topography Map
- 5. Iso-Concentrations Map

-Tables-

- 1. Well Survey Data
- 2. Well Gauging Data
- 3. Hydraulic Conductivity Data
- 4. Summary Table of Soil Sample Analytical Data
- 5. Total Soil Hydrocarbon Concentrations with Depth
- 6. Summary Table of Groundwater Analytical Data

-Appendices-

Appendix A- Soil Gas Survey

Appendix B- Monitoring Well/Test Boring Logs

Appendix C- Site Visit Reports

Appendix D- CTM Analytical Results

1.0 INTRODUCTION:

Environmental Products & Services, Inc. (EPS) was contracted by the New York State Department of Environmental Conservation (DEC) to investigate potential fuel oil and dry cleaning fluid releases that occurred at the former Camarota's Cleaners facility located at 323 Park Avenue, Mechanicville, New York. The commercial facility is located in a residential neighborhood on the corner of Park Avenue and Second Avenue. This report describes EPS's investigatory procedures and objectives, subsurface investigation results and site remedial options and recommendations.

2.0 INVESTIGATION OBJECTIVES:

Environmental Products & Services was contracted by the DEC to undertake a subsurface investigation at the Camarota's Cleaners dry cleaning facility. The following actions were implemented for this subsurface investigation:

- Drill three test borings, evaluate the subsurface conditions, and screen soil and rock samples for the presence of fuel oil and dry cleaning fluid contaminants.
- Install three groundwater monitoring wells in the completed test borings.
- Collect water samples from the site's three monitoring wells.
- Evaluate the site's groundwater quality, determine the nature and extent of the site's contamination and assess the potential for off-site contaminant migration.
- Identify potential sensitive receptors and impacts.
- Recommend appropriate remedial measures.

3.0 SITE DESCRIPTION:

Camarota's Cleaners is located in the City of Mechanicville on the corner of Park and Second Avenues (Figure 1). The former cleaners is located in a residential neighborhood and is surrounded by two story homes. The neighborhood is located on a former alluvial floodplain of the Anthony Kill which is located approximately 1/2 mile to the north of the site. Stormwater runoff is directed into the City's storm sewers which drain into the Hudson River.

The topography of the site is flat lying and is at an approximate elevation of 110 feet above sea level. The Hudson River is at an elevation of 45 feet above mean sea level and is located 1/2 mile to the east of the former dry cleaning facility.

Figure 2 is a site map depicting the location of Camarota Cleaners. Dunn Funeral home (319 Park Avenue) and 321 Park Avenue, a private residence, are located to the east of the cleaners. A private residence, 322 Park Avenue, is located across the street and north of Camarota Cleaners. Located to the east and across Second Avenue is 101 Second Avenue, a private residence. Another private residence, 108 Second Avenue, is located to the south of the cleaners. An underground storage tank (UST) of unknown capacity, containing fuel oil, is located near the southeast corner of the building. This UST served as the cleaners source of heating oil.

Overhead electrical and natural gas service is provided by New York State Electric and Gas while New York Telephone provides Mechanicville's phone service. The Saratoga County Sewer District provides sewer service to the City of Mechanicville. Water is supplied to the residents of Mechanicville by the City of Mechanicville Water Department.

The site's electrical and phone service enters the former cleaning facility by an overhead utility pole. Underground water and natural gas service enters the facility in

the approximate location of the telephone pole noted on the site map. The dry cleaners is also tied into the public sewer system.

Access to the inside of the building was denied. It is unknown whether any floor drains inside the facility are connected to the public sewer system or lead to a dry well that is located on the site.

4.0 GROUNDWATER QUALITY ASSESSMENT AND USAGE:

Information obtained from the New York State Department of Environmental Conservation (DEC), United States Geological Survey (USGS), and local residents was used to determine the local groundwater usage and overall groundwater quality.

According to Bugliosi's map, Availability of Ground Water in the Unconsolidated Aquifers of the Mid-Hudson River Basin, New York, Camarota Cleaners overlies an unconsolidated aquifer capable of yielding up to 10 gallons per minute (gpm). Groundwater is not used as a potable drinking water source in the area. The City of Mechanicville is serviced by a public water supply system that uses a surface water reservoir for its water source. The reservoir is located three miles to the northwest of the cleaners.

5.0 SOIL GAS SURVEY:

A soil gas survey was undertaken at the former cleaners on July 16, 1991, by Adirondack Environmental Investigations, Inc. (Appendix A). This survey tested the site's shallow vadose zone for the following target volatile compounds: trichlorethylene (TCE), tetrachloroethylene (Perc), benzene, toluene, ethyl benzene, and xylene.

Soil gas survey points, driven into the driveway in the back of the cleaning facility, revealed the presence of Perc. The highest concentration detected was 82 parts per

million (ppm). Other Perc values in this general area were 3.8 ppm, 3.3 ppm and 3 ppm.

The soil gas survey points in the front yard of the facility, indicated the presence of petroleum-based compounds in the range of 40 to 478 parts per billion. The source of these compounds may be the underground fuel oil tank located adjacent to the southeast corner of the building. However, soil gas values adjacent to this tank did not indicate the presence of these same compounds which may indicate an off-site source.

The data from the soil gas survey is suggestive that fugitive contaminants may exceed the regulatory levels for soil/gas at the former cleaning facility. EPS undertook this subsurface investigation to determine the levels of these contaminants. The levels of these contaminants are discussed later in this report.

6.0 LOCAL GEOLOGY:

According to the Surficial Geologic Map of New York, Hudson-Mohawk Sheet, 1987, the cleaners overlies Recent alluvial deposits consisting of oxidized, non-calcareous, fine sand to gravel that may be overlain by silt.

According to the *Geologic Map of New York, Hudson-Mohawk Sheet, 1970*, the Canajoharie Shale formation underlies the site. This is a black fissile mudrock that is typically found in areas of lower elevation due to its susceptibility to weathering.

7.0 METHODOLOGY

7.1 Monitoring Well and Recovery Well Installation

On July 7, 1992 Environmental Products and Services, Inc. (EP&S) installed three (3) two-inch diameter (I.D.) monitoring wells, EPS-1, EPS-2, and EPS-3, at Camarota Cleaners (Figure 2). Monitoring well placement was based on the site's inferred

groundwater flow direction, the results of the soil gas survey, and the location of the underground fuel oil tank.

- EPS-1 is located to the west of the cleaners for determination of upgradient groundwater quality.
- EPS-2 is located downgradient and directly north of the cleaners. The well is approximately 14 feet away from the building. EPS-2 was installed to further investigate the occurrence of petroleum based contaminants detected in the soil gas survey at this location.
- EPS-3 is located 8 feet from the back of the building in the area where an 82 ppm reading of Perc was detected in the soil gas survey. This location is also downgradient.

EPS's Canterra CT-250 drill rig performed all soil borings and monitoring well installations. During the installation of the monitoring wells, the surficial geology was described by an Environmental Products and Services, Inc. geologist (see Appendix B). All auger cuttings which exhibited the presence of hydrocarbons were placed in labelled 55-gallon steel drums for proper disposal at a later date.

During the advancement of each soil boring, soil samples were collected using a two-foot split-spoon sampler following ASTM D-1586 protocols. Split spoon samples were collected at five feet intervals in all test borings. When bedrock was encountered, a confirmatory split spoon sample was taken. All split spoon samples were stored in clean, labelled glass jars for headspace analysis using a properly calibrated HNu brand photoionization detector (PID). Fluctuating PID readings were encountered in some of the soils samples. It is unclear whether the PID readings accurately assessed the presence of volatile organic compounds in the soil samples. To confirm the occurrence of volatile organic constituents, split soil samples were submitted for laboratory analysis; the results are discussed in subsequent sections.

7.2 Monitoring Well Construction and Development

All monitoring wells were constructed of two-inch diameter Schedule 40 PVC well screen (0.010 feet slot) and riser with flush-threaded joints. Ten feet of well screen was used in monitoring wells EPS-1 and EPS-3 while five feet of well screen was used in EPS-2. The length of the well screen was determined by the depth to bedrock and groundwater at each test boring/monitoring well location.

An appropriately sized silica sand pack was emplaced in the annular space between the borehole and the well screen. A sand pack was installed from the bottom of the well screen to a minimum of six inches above the screened interval in each well. All monitoring wells were screened to straddle the groundwater table and terminate at the bedrock surface to allow detection of free phase floating and sinking contaminants. Screening intervals above the water table were decided on a well-specific basis.

A one-foot minimum bentonite seal was placed above the top of each well's sand pack to prevent the infiltration of surface water. Each monitoring well was backfilled with cement grout to the surface. All monitoring wells were finished with a limited access flush-mounted curb boxes equipped with locking well caps.

The monitoring wells were developed on July 10, 1992 using a teflon bailer. Water was bailed from each monitoring well until the bailed water was clear or the well went dry. All bailed water was put into an on-site 55 gallon drum.

Well developing removes silt and debris that may have entered the monitoring wells during installation. The well developing process helps to restore the aquifer's hydraulic conductivity back to its original state.

7.3 Monitoring and Surveying

On July 16, 1992, all monitoring wells at the Camarota Cleaners were surveyed. All survey data was referenced to an on-site benchmark (fire hydrant on the corner of Second and Park Avenue) which was assigned an arbitrary datum of 100.00 feet. The surveying was performed by EPS personnel and the data is presented in Table 1.

All site groundwater measurements were obtained using an interface probe (IP). Water level data is presented in the site visit reports in Appendix C. Depth to groundwater ranged from 4.58 to 6.19 feet below grade in the monitoring wells. Free phase contaminants were not detected in any of the monitoring wells.

7.4 Monitoring Well Sampling Procedures

Groundwater samples were collected from the site's monitoring wells on July 16, 1992 in accordance with EPA Groundwater Sampling Methodologies. Clean teflon bailers were used for the monitoring well sampling and were properly decontaminated. Prior to sampling, each monitoring well was purged by repetitive bailing. A minimum of three well volumes were removed from each well before sampling to ensure the collection of representative water samples. All acquired groundwater samples were preserved with HCl and stored at 4-degrees Centigrade. All samples were submitted to CTM Analytical Laboratories, LTD (CTM) located in Latham, New York. The samples were analyzed in accordance with EPA Method 8240.

Samples were shipped in accordance with a laboratory Chain of Custody protocol. Analytical data is presented in Appendix B.

7.5 Soil Sampling Procedure

As stated, it was unclear whether the PID readings for the split spoon soil samples and auger cuttings accurately measured the presence of volatile organic compounds due to the erratic operation of the HNu. Split spoon soil samples were submitted to CTM Analytical Laboratories, LTD (CTM) located in Latham, New York for analysis according to EPA Method 8240. A total of 9 split spoon soil samples along with two samples from the drummed auger cuttings, FH26 and FH27, were submitted to the laboratory.

Three samples from monitoring well EPS-1 were submitted for analysis, including: auger cuttings from a depth range of 0-4 feet, and split spoon samples collected from 5-7 feet and 10-10.2 feet below grade. Monitoring well EPS-2's split spoon samples collected from 0-2 feet, 5-7 feet, and 7.5-8 feet below grade were also submitted for

analysis. The split spoon samples for monitoring well EPS-3, from the depths of 0.5-2.5 feet, 5-7 feet and 10-11.2 feet below grade, were also submitted. Results of this analysis are presented in Appendix D and summarized in Section 8.0.

8.0 HYDROGEOLOGIC FINDINGS AND DATA INTERPRETATION

8.1 Site Geology

During the installation of the three groundwater monitoring wells, the subsurface conditions were described by an Environmental Products and Services, Inc. geologist (see Appendix A). A brown to gray medium sand with little coarse to fine gravel is found across the site and extends from the surface to a depth of 3 feet in EPS-3, and to 4 feet in EPS-2 and EPS-1.

Occurring below the sand unit, is a gray to brown clay with some silt, little coarse to fine gravel. The clay content of this unit appears to increase with depth. The clay unit extends below the sand unit to a maximum depth of 7.5 feet, 10 feet, and 11.2 feet in respective monitoring wells, EPS-2, EPS-1 and EPS-3. The clay unit has an average site thickness of approximately 6 feet.

Bedrock, which consists of a gray weathered shale, is found at depths ranging from 7.5 feet in EPS-2, to 11.2 feet in EPS-3. Based upon the appearance of shale recovered in the split spoon samples, the bedrock formation is probably the Canajoharie Shale. The fracture and bedding orientation of the shale unit is unknown. Figure 3 is a bedrock topography map which indicates that the bedrock surface slopes to the southwest direction. Any potential sinking contaminants that would encounter this surface would preferentially migrate in the downslope direction.

8.2 Site Hydrogeology

Depth to groundwater was measured in the monitoring wells during each site visit and is found at an approximate depth of 5 feet across the site. Table 2 is a summary table of the well gauging information collected during EPS's site visits.

A groundwater gradient map was developed from the September 2, 1992 gauging data and is included as Figure 4. Based on data obtained from the monitoring wells, the localized groundwater flow is in a southeasterly direction. The average hydraulic gradient across the site was calculated to be approximately 0.003 feet/feet (vertical feet vs. horizontal feet). This is a very flat gradient.

Rising head tests using an Insitu Hermit data logger and a slug were conducted at the site. A pressure transducer and slug were emplaced in each well and left there until enough time had passed that the water table had stabilized. When the water table stabilized, the slug was quickly removed and the data logger collected water level readings at 2 second intervals. This data was then graphed and the permeability at each monitoring well location was calculated using a modified Horslev hydraulic conductivity equation.

The Hydraulic conductivity values are summarized in Table 3. There was insufficient water in EPS-2 to conduct an accurate rising head test due the wells shallow depth. The hydraulic conductivity values for EPS-1 and EPS-3, are respectively 1.6×10^{-3} cm./sec. and 7.7×10^{-3} cm./sec. are typical of medium to fine sands.

Using the following formula, the groundwater flow velocity for the Camarota Cleaners site can be calculated.

$$V = \frac{K \cdot H}{n}$$

V = Groundwater Flow Velocity (ft./day)

K = Hydraulic Conductivity

H = Groundwater Gradient (ft./ft.)

n = Porosity of Material

An average hydraulic conductivity value of 4.65×10^{-3} cm/sec, was used for calculating the site's groundwater flow velocity. A porosity value of 30 percent was estimated for

9

the sand unit. Using the above values, the site's groundwater velocity was calculated to be 4.65×10^{-5} ft./day. This is a fairly typical value for a flat lying groundwater table.

8.3 Soil Sampling Results

Eleven soil samples were collected and submitted for analysis using EPA Method 8240. The two drum samples, FH26 and FH27, which consist of auger cuttings, underwent additional TPH analysis. The analytical data is presented in Appendix D and summarized in Table 4.

Samples FH26 and FH27 were composite soil samples of the auger cuttings. These samples had 1700 and 1400 parts per million (ppm) of petroleum hydrocarbons, respectively. Although none of the split spoon samples underwent TPH analysis, these TPH values suggest the presence of petroleum hydrocarbons in the soils at all the monitoring well locations.

Methylene chloride, tetrachloroethene (perc), and acetone were found in the soil samples. Table 5 demonstrates the total soil hydrocarbon concentrations found at depth at each monitoring well location. EPS-3 exhibits the highest level of hydrocarbon contamination with a total concentration of 16,660 parts per billion in the 5-7 feet split spoon sampling interval. This interval approximately corresponds to the depth of the upper portion of the clay unit. It appears that the highest overall levels of contamination at the site are at the EPS-3 location.

Most of the site's contamination appears to be adsorbed onto the site's soils. The groundwater sample analytical results, discussed in the following section, appear to support this hypothesis.

8.4 Groundwater Sampling Results

Laboratory analyses performed on the acquired groundwater samples verified the presence of dissolved hydrocarbon constituents. Analytical data is presented in Appendix B and summarized in Table 6. Parameters that are shaded indicate that they were detected in the groundwater samples.

As with the soil samples from this location, EPS-3's groundwater sample has the highest levels of hydrocarbon contaminants. The chlorinated hydrocarbons, which are typically associated with dry cleaning fluids, are found in the groundwater at EPS-3. The groundwater sample from EPS-2 contained 46 parts per billion (ppb) of tetrachlorethene (perc) and 20 ppb of acetone. EPS-1, the upgradient well, has 16 ppb of chloromethane, a chlorinated hydrocarbon.

Based upon the low levels of contaminants found in the site's groundwater, with the exception of the EPS-3 location, the contamination appears to be contained within the soil matrix. However, it is unknown what the groundwater contaminant levels are downgradient of the EPS-3 location. It is possible that the source of the contaminants may have originated at or near this point. The underground fuel oil tank and the possibility of fuel oil overfills may be contributing to this contamination. Also, past housekeeping practices for disposal of spent dry cleaning solvents might also have been a contributing contaminant source.

An iso-concentration map of the acetone, benzene, and chlorinated hydrocarbons levels was drawn and is presented in Figure 5. Acetone and benzene are typical "floaters" while the chlorinated hydrocarbons are typical "sinkers" due to their respective specific gravities. This map shows the different iso-concentrations of these constituents across the site. By far, the most areally extensive contaminant plume is the chlorinated hydrocarbons. These constituents were found in all of groundwater samples.

Since chlorinated hydrocarbons sink in an aquifer until they encounter an impermeable barrier, it is not surprising that the low permeability clay unit has higher contaminant levels of the chlorinated hydrocarbons than any of the other lithologic units. It appears that the clay unit may have partially impeded the downward movement of these sinkers, but is not acting as a true aquitard. This inference is substantiated by the presence of contaminated soils at depth (Table 5) which indicates that the sinking contaminants have migrated into this unit.

In addition to the clay unit impeding downward contaminant migration, the bedrock surface could also act as a partial barrier for chlorinated hydrocarbon migration. The bedrock surface dips towards the southwest, approximately at a 90 degree angle to the site's southeast groundwater flow direction. The circular plume could be a result of three vector components of flow: one downward component, another downgradient in the direction of the groundwater flow (while the sinker is sinking) and the other in the direction of the sloping bedrock and/or clay unit surface (once the sinker has encountered the sloping surface). All three factors may be acting to enlarge the plume.

8.5 Sensitive Receptors

A dissolved contaminant plume has migrated downgradient from the Camarota Cleaners dry cleaning facility. The downgradient limits of the plume are unknown. Since groundwater is not used as a source of water supply by the City of Mechanicville, the contaminant plume appears to have no effect on drinking water supplies.

The contaminant plume can impact downgradient residences by emitting soil gas vapors into homes. It appears unlikely that explosive levels could be reached due to the absence of any free phase constituents, but low levels of hydrocarbon vapors may lead to nuisance smells and/or health effects for the residents. Due to the area's high groundwater table, it is quite likely that some residents have been impacted or are at potential risk for being impacted by the soil gas vapors. The basements of the two closest homes, 321 Park Avenue and 108 Second Avenue could be impacted.

9.0 RECOMMENDATIONS

The following recommendations are offered:

 The adjacent homes should have their basements tested for the presence of volatile organic through the use of indoor air quality sampling. This type of analysis is capable of detecting volatile organic compound concentrations in ppb. This survey will concentrate upon areas where potential vapors could enter the basements such as floor drains, cracks and utility entrances.

2. The current monitoring well network of EPS-1, EPS-2, and EPS-3 does not delineate the areal extent of the contaminant plume. It is recommended that six well points be advanced to bedrock at the plume's lateral and downgradient locations. These points will be developed and then sampled for hydrocarbon contaminants.

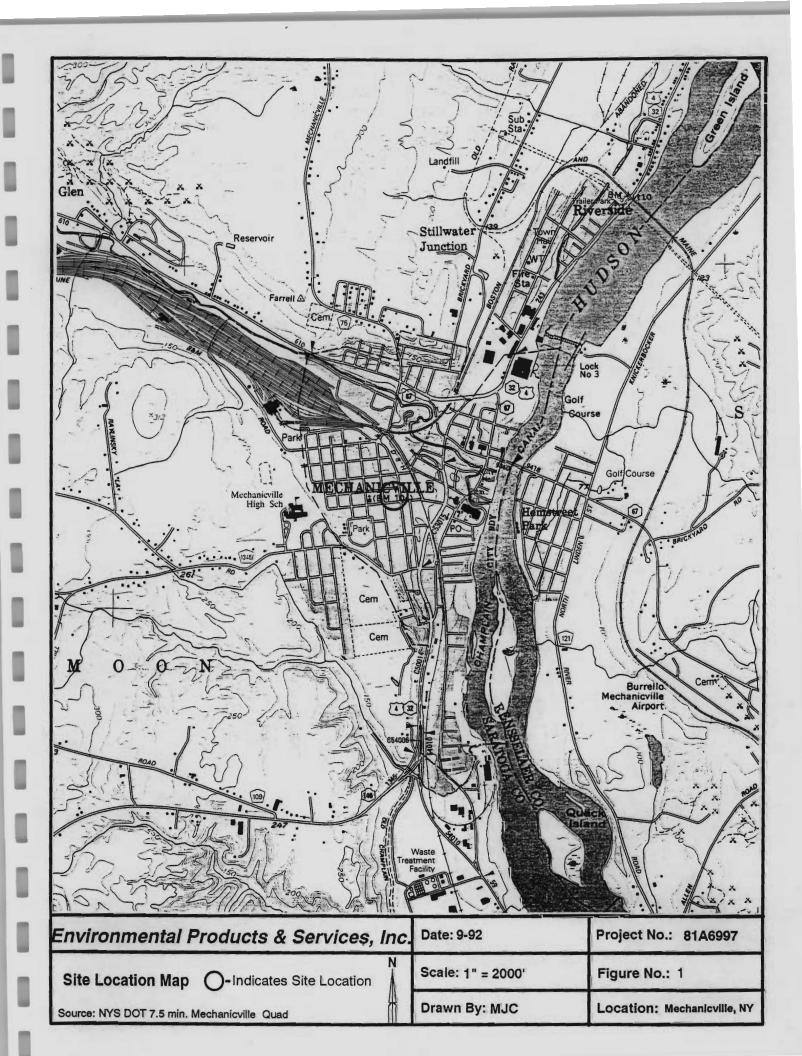
The advantage of the well points is that they can be advanced with a pneumatic air hammer with minimal disturbance to adjacent buildings and yards and can be installed in areas that are inaccessible to a drill rig. The well points are a cost effective method for installing monitoring points and are approximately one third the price of a monitoring well installed by a drill rig. Their disadvantages is that the subsurface conditions where they are installed cannot be logged since soil samples are not collected and that the soils cannot be screened for adsorbed volatile organic contaminants.

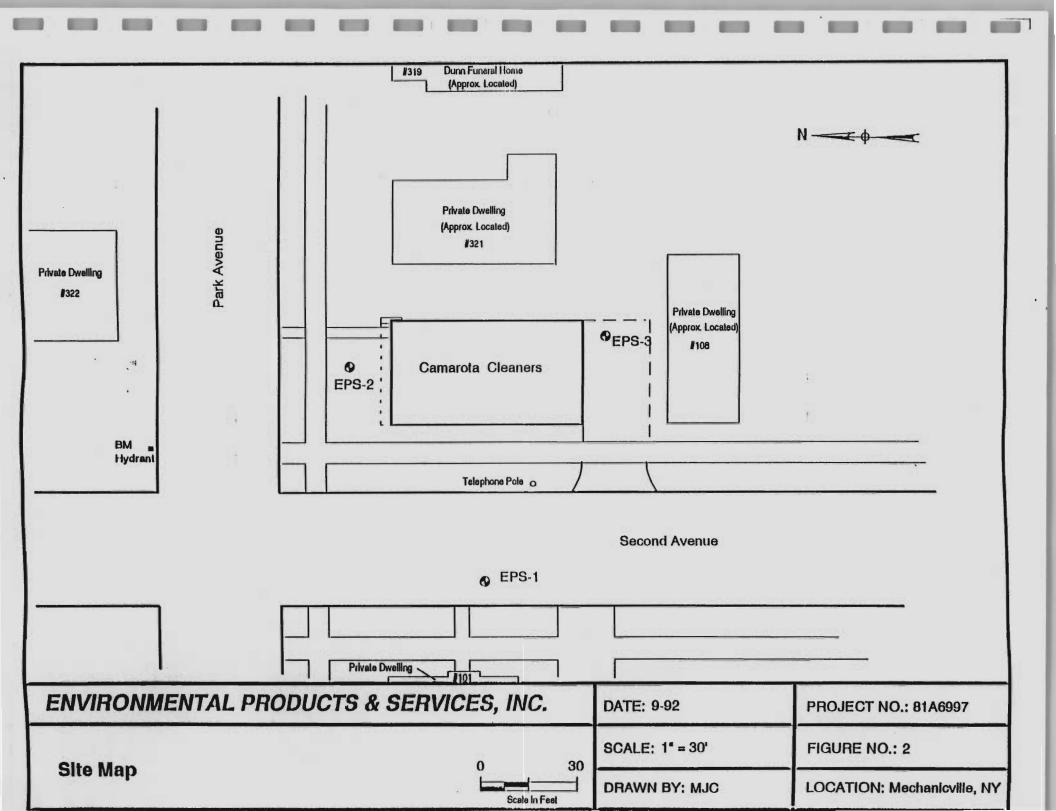
- The inside of the dry cleaning facility should be inspected. This
 inspection should concentrate on areas where dry cleaning solvents may
 have entered the subsurface. Floor drains, cracks and any other
 potential contaminant pathways should be located.
- 4. It is recommended that a pilot study consisting of a 72 hour pump test be initiated at the site to define the aquifer's transmissivity and storativity values. This test should be combined with a soil venting test to determine the radius of influence of a pilot soil venting system.

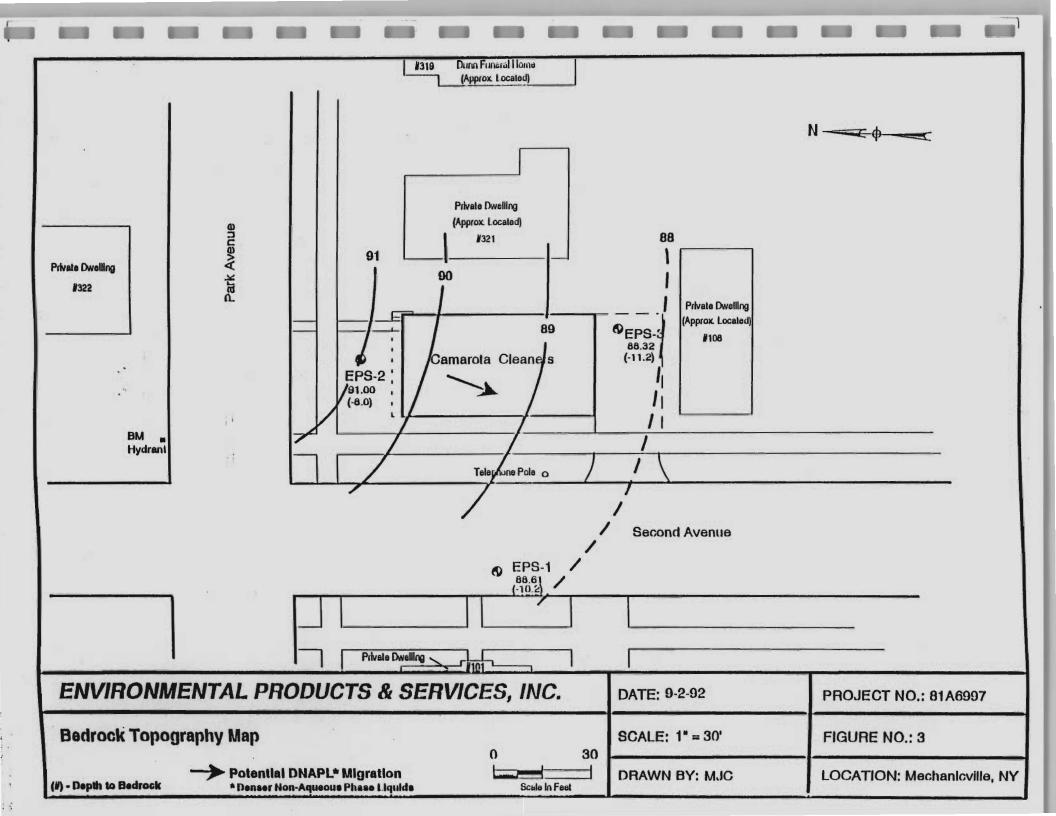
The 72 hour pump test will define the site's aquifer characteristics so that a final remediation system can be properly designed. The high groundwater at the site precludes the use of a soil venting system to remove volatile organic compounds; however, if the site were dewatered, a soil ventilation system could be installed to vent the exposed phreatic zone and to remove adsorbed contaminants. The pilot soil venting system would be initiated at the conclusion of the 72 hour pump test. The area around the pumping well will be adequately dewatered to allow the pilot venting system to function.

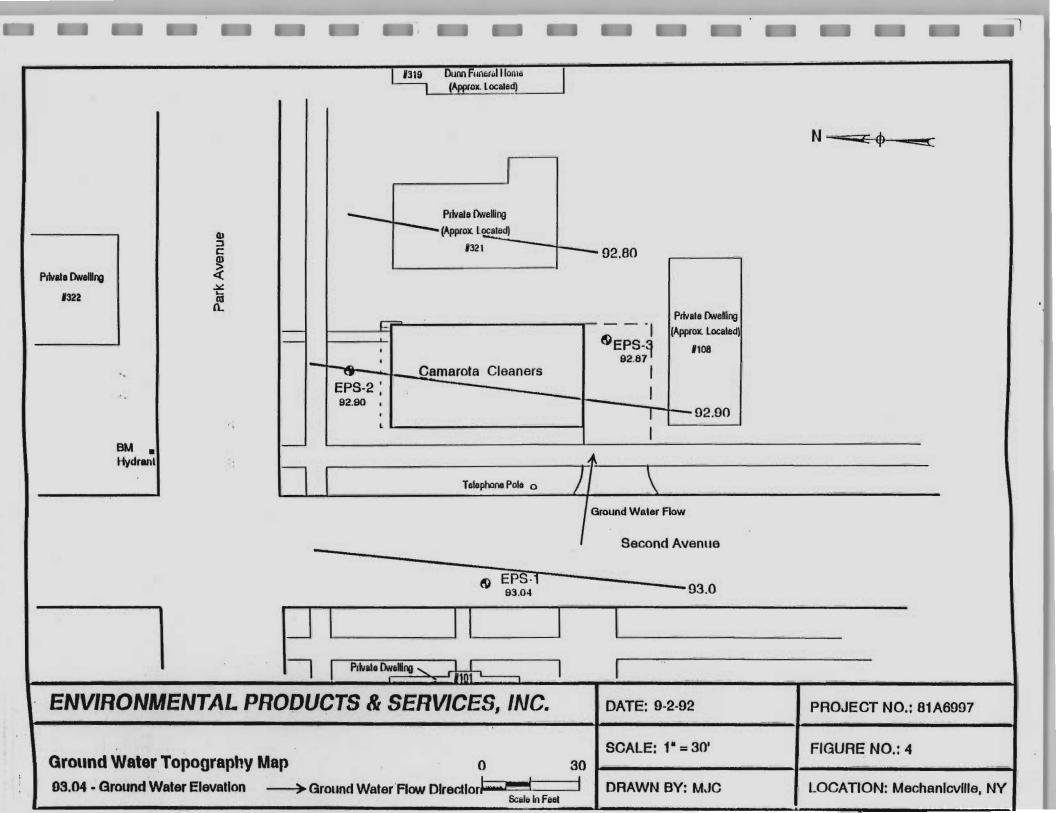
A shallow 6 inch I.D. recovery well would be installed adjacent to EPS-3. This well will serve as the pumping well during the test. Three additional well points would need to be installed around the pumping well to determine the radius of influence of the pumping well and the pilot soil vent system.

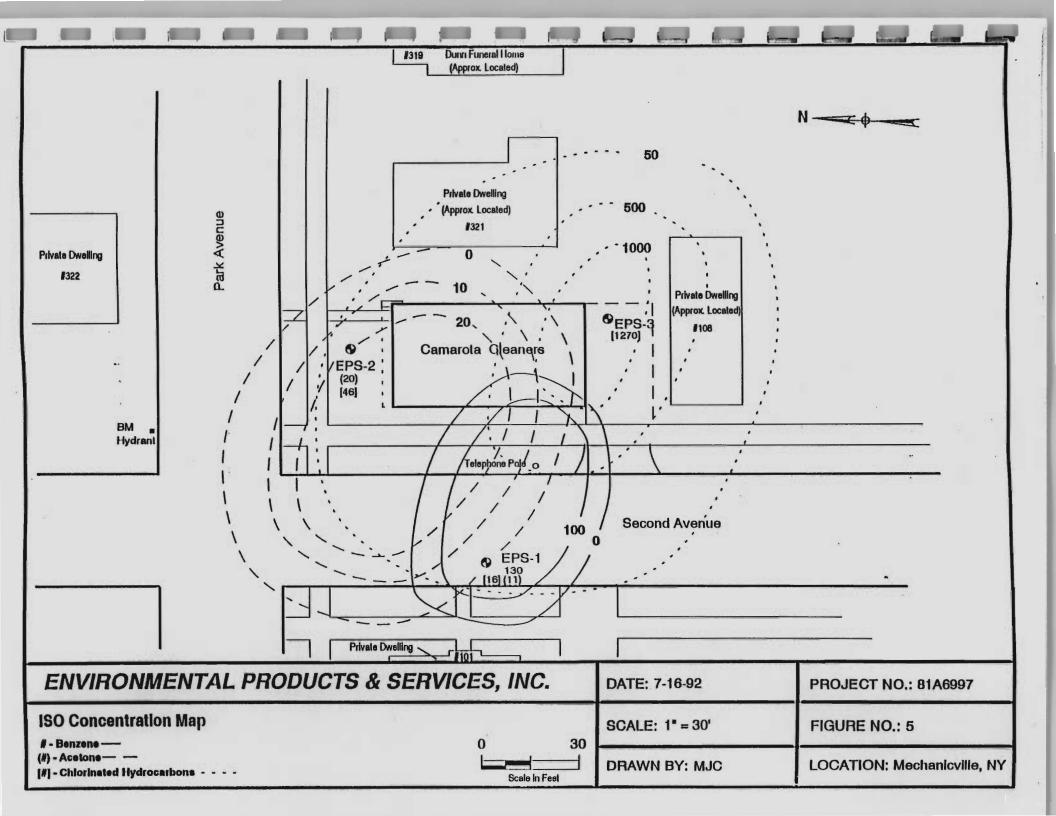
FIGURES











TABLES

TABLE 1 WELL SURVEY DATA CAMAROTA CLEANERS

Well No.	Relative Elevations	Elevations Relative to 100.00 feet Datum
EPS-1	Ground Surface	98.42
	Top of PVC Riser	98.82
EPS-2	Ground Surface	99.00
	Top of PVC Riser	98.68
EPS-3	Ground Surface	99.52
	Top of PVC Riser	99.06

TABLE 2
WELL GUAGING DATA
CAMAROTA CLEANERS

WELL NO.	GAUGING	SITE VISIT DATES				
	INFORMATION	7/10/92	7/16/92	9/2/92	9/9/92	
	Depth to Water (ft.)	5.08	4.58	5.38	5.42	
EPS-1	TOR Elevation (ft.)	98.42	98.42	98.42	98.42	
200	Groundwater Elev. (ft.)	93.34	93.84	93.04	93.00	
	Depth to Water (ft.)	5.65	5.61	5,78	5.84	
EPS-2	TOR Elevation (fL)	98.68	98.68	98.68	98.68	
	Groundwater Elev. (ft.)	93.03	93.07	92,90	92.84	
	Depth to Water (ft.)	5.80	5.37	6.19	6.20	
EPS-3	TOR Elevation (ft.)	99.06	99.06	99.06	99.06	
	Groundwater Elev.(ft.)	93.26	93.69	92.87	92.86	

TABLE 3 HYDRAULIC CONDUCTIVITY DATA CAMAROTA CLEANERS

Well No.	Hydraulic Conductivity (cm./sec)
EPS-1	1.60E-03
EPS-2	
EPS-3	7.70E-03

TABLE 4
SUMMARY TABLE OF SOIL SAMPLE ANALYTICAL DATA
CAMAROTA CLEANERS
JULY 7, 1992

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HEOROFORM 1,1—TRICHLOROETHANE ARBON TETRACHLORIDE ENZENE	D ND ND	D ND	ND				110	שוו	NU
1,1—TRICHLOROETHANE ARBOM TETRACHEORIDE ENZENE	ND ND	ND			ND	ND	ND	ND	D
arbon tetracheoride Enzene	ND		ND	ND	ND	ND	ND	ND	ND
ENZENE		ND	ND	ND	ND	ND	ND	ND	ND
	LVIJ	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND	ND	ND	ND
CICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	ND	D
2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	ND	D
ROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
RANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	- ND
DLUENE	D	ND	ND	ND	ND	ND	ND	ND	ND
IS+1,3+DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
1.2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRACHLOROETHENE	D	ND	ND	ND	33	27	530	9,700	120
BROWOCHLORMETHANE	ND	ND	ND	ND	ND	ND	ND	ND	'nD
HLOROBENZENE	ND	D	ND	ND	ND	ND	ND	ND	ND
THYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
ROMOFORM	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,2—TETRACHEOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND
TYRENE	ND	ND	ND	ND	ND	ND	ND	ND	ND
CETONE	D	ND	20	D	D	17	D	2,400	25
ARBON DISULFIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYL ACETATE	ND	ND	ND	ND	ND	ND	ND	ND	ND
-HEXANINE	ND	ND	ND	ND	ND	ND	ND	ND	ND
PLENE (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND
-METHYL-2-PENTANONE (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND
-BUTANONE (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND
ZOEDS	ND	ND	ND	ND	ND	ND	ND I	2,200	ND

TABLE 5
TOTAL SOIL HYDROCARBON
CONCENTRATIONS WITH DEPTH
CAMAROTA CLEANERS

DEPTH	EPS-1	EPS-2	EPS-3		
1		10	605		
2	32				
3					
4					
5					
6	32	56	16,600		
7					
8		84			
9					
10	67		000000000000000000000000000000000000000		
11			170		
Total constituents for sample interval All results are in ppb (parts per billion)					

TABLE 6 SUMMARY TABLE OF GROUNDWATER ANALYTICAL DATA CAMAROTA CLEANERS JULY 16,1992

CONSTITUENT	EPS-1	EPS-2	EPS-3
CHLOROMETHANE	16	D	ND
MYL CHLORIDE	ND	ND	D
BROMOMETHANE	D	D	ND
CHLOROETHANE	ND	ND	ND
1,1-DICHLOROETHANE	ND	ND	ND
METHYLENE CHLORIDE	D	D	D
TRANS 1.2-DICHLOROETHENE	ND	ND	6
CIS 1,2-DICHEOROETHENE	ND	ND	34
1,1-DICHLOROETHENE	ND	ND	ND
CHLOROFORM	D	ND	ND
1,1,1-TRICHLOROETHANE	ND	ND	ND
CARBON TETRACHLORIDE	ND	ND	ND
HENZENE	ND	ND	130
1,2-DICHLOROETHANE	ND	. ND	ND
TRICHLOROETHENE	ND	D	ND
1,2-DICHLOROPROPANE	ND	ND	ND
BROMODICHEOROMETHANE	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	ND	ND	ND
TOLUENE	ND	ND	ND
CIS-1,3-DICHLOROPROPENE	ND	ND	ND
1,1,2-TRECHLOROETHANE	ND	ND	ND
TETRACHEOROETHENE	D	46	1,100
DIBROMOCHLORMETHANE.	ND	ND	ND
CHLOROBENZENE	ND	D	ND
ETHYLBENZENE	ND	ND	ND
BROMOFORM	ND	ND	ND
1,1,2,2-TETRACHLORDETHANE	ND	ND	ND
STYRENE	ND	ND	ND
ACETONE	11	20	D
CARBON DISULFIDE	ND	ND	ND
VINYL ACETATE	ND	ND	ND
2-HEXAMONE	ND	ND	ND
XYLENE, (TOTAL)	ND	ND	ND
4-METHYL-2-PENTANONE (MIBK)	ND	ND	ND
4-MERITE-5-LEARMONE (MIDV)	ND	ND	ND

APPENDICES

Appendix A - Soil Gas Survey

SOIL GAS SURVEY
Former CAMAROTA CLEANERS, INC.
Mechanicville, New York

Prepared for:

Adirondack Environmental Investigations, Inc. P.O. Box 270 Cambridge, New York

Prepared by:

Specialized Environmental Monitoring 16 Anyhow Lane Wilton, New York

July 1991

X 5 R 1 150

NYS DEC

JUL 30 1991

ENVIRONMENTAL QUALITY REGION 5 WARRENSAMO, N.Y.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
	PURPOSE	
4.0.	SITE PREPARATION	2
5.0	METHODOLOGY	2
	5.1 Soil Gas Sampling	2
6.0	QUALITY ASSURANCE/QUALITY CONTROL	5
7.0	ANALYTICAL RESULTS	6
	LIST OF FIGURES	
Figu	re 1 Soil Gas Sample Locations	7
	ATTACHMENTS	
Soil	Gas Chromatographs	8

1.0 INTRODUCTION

Specialized Environmental Monitoring (SEM-Wilton, New York) was retained by Adirondack Environmental Investigations, Inc., Cambridge, New York to perform a soil gas survey (SGS) to evaluate subsurface conditions on the property of Camarota Cleaners, Inc., Mechanicville, New York.

The purpose of this report is to document the activities that were performed during the soil gas survey and to identify and quantify the presence of compounds beneath the paved or soil surface of the property.

This survey was limited to ten volatile organic compounds (VOC's) comprising of chlorinated (alkenyl halide) compounds and petroleum-based compounds.

This soil gas survey was performed on July 16, 1991

2.0 SITE DESCRIPTION

Camarota Cleaners, Inc. is located on the south-east corner of Park Avenue and Second Street in the town of Mechanicville, Saratoga County, New York.

The property is situated in a relatively dense residential neighborhood a short distance (couple blocks) from the downtown business area.

A large two story house borders (within approximately 10 feet) the south end of the property and a second two story house borders (within 25 feet) the east side of the property.

3.0 PURPOSE

This soil gas survey was conducted to identify potential sub-surface soil contamination from past dry cleaning activities and/or underground fuel tank leakage.

The survey provides a grab sample screen of the shallow vadose (unsaturated) zone to be used as an indicator to determine the necessity for more intensive investigation.

4.0 SITE PREPARATION

Eight sampling points were measured with a measuring tape and oriented to fixed lines and corners of the building.

Each point was marked by painting a circle on asphalt or the ground surface. These locations are shown on Figure 1

5.0 METHODOLOGY

5.1 Soil Gas Sampling

One sample location had to be pre-drilled with a drill hammer and auger to allow access beneath asphalt.

Sampling locations were then prepared by using a "slam bar" to drive a 5/8-inch solid steel rod to a maximum depth of four feet, removing it and inserting a 1/2-inch diameter hollow aluminum tube into the hole to maintain the opening in the shallow-vadose zone. Care was taken to ensure that the tube was not plugged or inserted into any high moisture laded material or groundwater. Following placement of the aluminum tube, surface soil and a bentonite slurry seal were packed into the annular space around the tube at the top of the probe hole to prevent potential infiltration of surface air during sampling.

Soil gas samples were collected with a 125 milliliter gas sampling bulb. The sampling bulb consists of a wide glass tube with Teflon stopcock valves at either end and a septa in the center of the glass wall to allow for sample withdrawl. The top of the aluminum tube in the probe hole was connected with dedicated 1/2-inch polyethylene tubing to one of the valves of the gas sampling bulb. The other bulb valve was connected with tubing to a laboratory bench vacuum pump. The vacuum pump withdrew soil gas up through the subsurface probe and glass bulb until approximately 2 liters (6 sampling train volumes) was purged from each probe hole. Soil gas was contained in the glass bulb by closing the valve nearest the pump first, then stopping the pump. The other valve was left open to the soil gas source for approximately 30 seconds to allow the system to come to equilibrium pressure. Following this, the second valve was closed and the sample was removed for analysis.

The dedicated polyethylene tubing was discarded and replaced for each new sampling location. All samples were performed within 30 minutes of collection. A needle was inserted through the septa of the sampling bulb and a sample was withdrawn using a 500 microliter syringe for injection into the gas chromatograph (GC).

5.2 Analytical Methodology

A Photo Vac 10S70 gas chromatograph, mobilized on-site by SEM, was equipped with a photoionization detector (PID) and an on board computer which was programmed to analyze samples for target volatile organic compounds (TCE) trichloroethylene, (Perc) tetrachloroethylene, benzene, toluene, ethyl benzene, and xylenes.

The Photo Vac GC analyses gaseous samples and is capable of generating quantitative data specific to each compound. After injection into the instrument, the gaseoue sample passes through a chromatographic column prior to the PID. The various VOCs pass through this column at different rates and thus reach the detector at different times after injection. A strip-chart record of detector response versus time is obtained during each analysis and the presence of VOCs in the sample is manifested by peaks on this strip-chart record.

The portable GC measures two parameters for each peak observed during an analysis. First, the length of time is measured between the initial injection of the sample and the detection of the peak. This time is known as the retention time and each VOC has a characteristic retention time relative to those of other compounds. For example, the retention time of Perc is greater than that for toluene. Retention times allow the identification of VOCs in the sample. Second, the portable GC integrates the detector response to measure the area under the peak. The area is measured in millivolt seconds (mv-s) and is proportional to the concentration of the compound in the sample.

Prior to the start of field activities, the instrument was calibrated to recognize retention times and convert peak areas into concentrations for the target VOCs. Standards were prepared by injecting a measured volume of headspace over a pure compound into a one liter glass bulb that had been thoroughly flushed with organic free (ultra zero_grade) air. The concentration of the standard was calculated using the ambient temperature, the vapor pressure of the compound at that temperature, the noble gas law and other related equations.

A library was programmed into the instrument by sequentially analyzing each standard. A syringe was used to withdraw 250 microliters (ul) of the headspace gas and inject the vapor into the instrument for analysis. A peak was detected for the standard and recognized, but not identified or quantitated by the instrument the peak is simply recognized as having a certain retention time and peak area. The analyst enters both the identity and concentration of the standard and repeats this process for each of the remaining target VOCs. At the end of the initial calibration, the portable GC can identify and quantitate the peaks associated with the target VOC. Other peaks which are recognized during the analysis remain unidentified and a retention time and peak area are reported rather than a compound and concentration.

The retention time and detector response are influenced by other conditions such as the internal temperature of the instrument and the rate of gas flow through the column. Although regulated, some varations in these conditions occur and act to shift the retention times and response factors of the target VOCs. Thus continuing calibration must be routinely performed.

The continuing calibration is performed by injecting a standard, such as Perc, into the portable GC for analysis. Using a keyboard command, the analyst instructs the instrument to recalibrate the library. After the peak is detected, the analyst enters both the identity and concentration. The retention times and response factors for all of the target VOCs in the library are then linearly adjusted relative to that calibration standard.

At a minimum, a continuing calibration was performed during field work. However, since the field conditions tended to be warm in the morning hours and significantly warmer as the day progressed, the instrument was recalibrated throughout the day. The analyst monitored the retention time for the shifts (caused by the temperature fluctions) in excess of approximately 5%. Retention time shifts of this magnitidue or greater would result in the inability of the instrument to identify and quantitate peaks which were detected.

The PID is coupled to a 10.6 electron-volt ultraviolet lamp which is capable of ionizing all of the VOC target analytes during the survey. However, the detector's sensitivity for these compounds may vary. Sample analyses were conducted by injecting with a syringe, 250 ul aliquots of sample vapors into the GC; comparisons of sample instrument responses were made to that of calibration standards previously into the GC memory. Documenting the analysis, the GC prepared a stripchart record detailing the concentration of recognized compounds and the raw instrument response of "unknown" compounds detected in the sample. In the event that sample results were above the linear range of the instrument calibration, a smaller aliquot was injected and the sample results were corrected for the "dilution factor".

6.0 QUALITY ASSURANCE/QUALITY CONTROL

A background, on-site air sample was collected and analyzed at the end of the days field activities. This sample consisted of ambient air collected into the glass sampling bulb which effectively served as a field blank. This background sample did indicate low levels of carry over contamination from previous samples. A syringe blank was also injected into the GC and this sample did not indicate any cross contamination potential.

Decontamination of the 5/8-inch steel rod was performed following the preparation of each sample location. The rod was rinsed with distilled water, washed with with detergent, and final rinsed with distilled water. Each aluminum tube was cleaned prior to mobilization and was dedicated to only one soil sampling location; therefore, field decontamination was not required. The polyethylene tubing which connected the aluminum probe to the glass sampling bulb was dedicated and therefore discarded following each sample collection. In order to minimize potential carry-over or cross contamination, repeated flushing with purified air through the glass sampling bulb and syringes was conducted between samples.

7.0 ANALYTICAL RESULTS

Examination of the raw data (i.e., sample chromatograms) reveals that high concentrations of tetrachloroethylene (perc) was detected in the soil gas sample taken directly behind the cleaner facility (over 82 parts per million; ppm). This sample location (sample # 5) is most likely the source of the contamination problem as there are two other locations that indicate lesser concentrations of perc over 3 ppm; (sample # 2 with 3.8ppm and sample # 4 with 3.3ppm). All other sample locations revealed the presence of perc at levels lower than lppm.

Sample # 1 collected in front of the facility beneath the lawn, indicated the presence of petroleum-based compounds in the range of 40 to 478 parts per billion (ppb). These levels are not significant in trying to determine potential leaks from the underground fuel tank in the vicinity of sample # 6 which does not show any level of petroleum contamination.

The main compound evaluated during analysis is an organic solvent by nature and its presence would be anthropogenic (i.e., introduced by human activities). In general, the site exhibits evidence of subsurface contamination (i.e., concentrations above background or normal) with selected areas indicating higher levels of contamination.

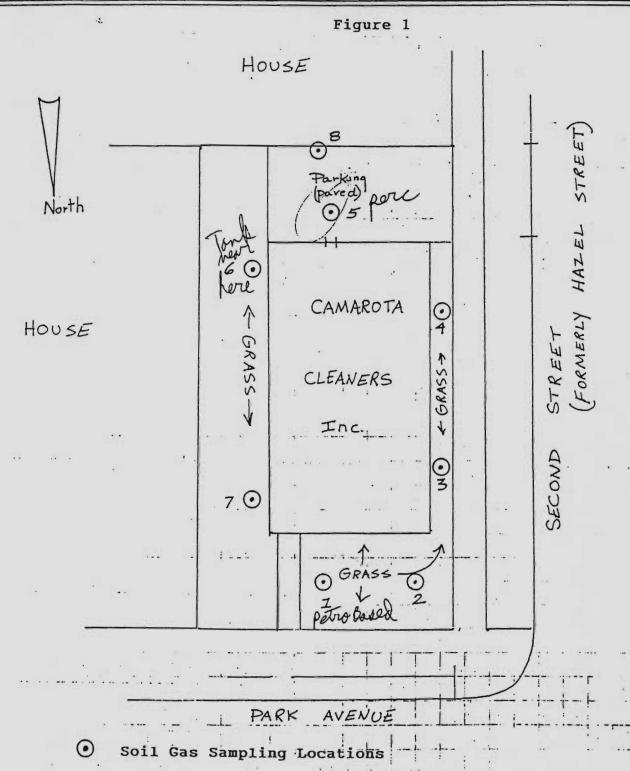
Soil gas screening cannot identify the specific vertical location of the source of contamination, especially in the absence of any other subsurface hydrogeologic information (i.e., depth to water, soil type, depth to rock). It does, however, provide a useful indication of the horizontal extent of contamination. Any given concentration of soil gas can be from a "highly" contaminated source at a "greater" depth, or a less contaminated source at a shallower depth. The soil gas may be derived from contaminated soil, or from product dissolved in, or floating on top of, groundwater- or both.

The elevated levels of soil gas measured at the Camarota Cleaners facility suggest that relevant regulatory levels for soil and/or groundwater may be exceeded. While it is very likely that these levels are present, it is not known what they are for soil or groundwater, nor whether they pose an overall risk to the environment.



SPECIALIZED ENVIRONMENTAL MONITORING

16 Anyhow Lane • Wilton, New York 12831 • (518) 587-5510



SOIL GAS SURVEY JULY 16, 1991

GAS CHROMATOGRAMS

1



3 619.3 1.850 ITR

ETHTL BENZENE

i 1 7 . . STOP 9 1180,0 SOUTH LIBRORY 1 ONOLYSIS # 2 JUL 15 1331 22 153 INTERPOL TENP 20 STANDARD GOIN 50 250 PICROLITERS בחרסטאס אפתב PERK R.T. PREPATER חטאאסחא 1.3 7.7 mus DENSENE 124.7 2.057 FFB FCE 3 167.6 1.515 [[]] 136.1 229.7 mUS UNKHOUM UNKNOUN 6.8 MUS TOLUENE 231.3 1.056 FFF 127.6 1.835 FFR FERC NHKHONH 622.2 1.5 VS 727.6 6.338 FFB 873.8 1.835 FFB P-PND P-XYLENE D-XYLENE 18

PHOTOUAC

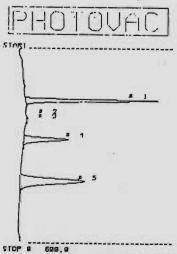
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INTERNOL TENT 20 STONDORD
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NAKHORIA	1	1.3	7.7	"US
BENZENE	2	124.7	1.316	rrp
LCE	3	167.6	1.101	rrn
UNKNOUN	4	136.1	229.7	MUS
NAKHONA	'5	211.7	6.8	HUS
TOLUENE	6	251.3	1.000	LLI
PERC .	7	127.6	1.575	LI.E
UNKHOUN .	8	622.2	1.5	··US
P-PND C-XTLENE		727.6	6.557	מיוז
D-XYLEHE	. 10	873.0	300.7	rra

PHOTOVAC

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COMPOUND MANE PEAK R. I. AREA/FFR

TCE ...1 105.5 327.1 FT8
UNKNOUN 2 216.1 15.6 AUS
UNKNOUN 3 227.1 5.1 AUS
TOLUENE 1 269.9 811.8 FT8
FERC 5 113.6 258.3 FT9

PHOTOUAC

CALIBRATED PEAK 5.PERC

SMITTLE CIBRORY | JUL 10 1331 11142
PROCESS 2 PEI-KET BANK
INTERNAL TENT 27 PERC STANDARD
ON 28 259 PICROLITERS

COMPOUND MANE FERK R.T. AREP/FFR

TCE 1 165.5 1.235 FFT UNKKNOUN 2 218.1 18.6 MUS UNKKNOUN 3 227.1 8.1 MUS TOLLUENE 4.258.8 1.124 FFT FERC 5 413.6 1800. FFB

PHOTOUNG

: "named 10 a P. t. Linit

| 100,000 | 100,000 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10

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PIOTOUAC

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COMPOUND MANE FERK R.T. AREAZETH

UNKNOUN 1 218.1 13.3 MUS

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COLIBRATED PECK 2, PERC

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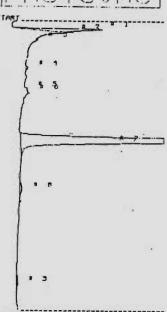
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FORFOUND MARE FEAK R.T. AREA/FFR

UNKNOUN 1 27.7 2.4 US

ACETONE 2 27.1 31.75 FFB

UNKNOUN 3 62.3 23.8 AUS

FGE 1 151.1 3.351 FFB

TCE 1 151.1 3.351 FFD
UNKNOUN 5 218.1 33.3 MUS
UNKNOUN 6 226.3 6.6 MUS
FERC 7 371.5 3.213 FFD
UNKNOUN 8 531.3 322.8 MUS
0-XYLENE 3 621.5 13.73 FFD

3.8 ppm

STOP 8 150.0

SOUTH 150.0

SOUTH 150.0

SOUTH 2

SOUTH 2

SOUTH 2

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CONTOUND HAVE FERK R.T. AREA/FFR

 UNKNOUN
 1
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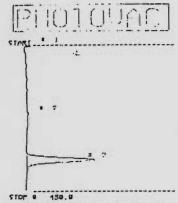
 UNKNOUN
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 UNKNOUN
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 UNKNOUN
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Instrument Keyboard Interference

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במחרסטוים אחוב PENK R. I. OREGIFFO

UNKHOUN 27.1 2,3 US מאן הפש, הל 1.30" מאן 108.1 1.511 PCE TONE 3 TCE 215.7 121.4 MUS 355.1 177.7 ITM חאגאסטא PERC 137.7 158.3 mUS

: 3 Instrument Keyboard Interference STOP 9 850.0 SAULTE FEET TO THE TENT THE STANTA INTERIOR TENP 38 SPORTLE 1 250 PICKOLITERS MIND בחקף שמעוסקחם PERK R.T. PREAFFT חאגואסטא 125.7 40.61 FFB 215.7 60.5 mUS 231.3 7.7 mUS ICE

UNKHOUH

חאאסחא

UNKNOWN

שאששרוא-ם

ELHIL BENSENE

PERC

See 1:10 dilution 1 3

346.3 7,225 FFR

186.9 238.3 PUS 567.1 38.67 FFB

757.5 3.479 FFB

STOP 8 100.0 SAPPLE LIPRARY 1 JUL 16 1331 14:51 APPRITATION 18 VET-KET BUIN SAMPLE 4 11190

בחחר מאטמיחמים PERK R. T. PREP/FFT

חעאטטדא PCETONE 35.3 1.312 FFB TEE 3 107.6 6.450 FFB 215.7 50.8 mUS UNKNOUN חאאחחא 201.0 7.7 mus 311.8 14.9 US UNKHOUN

STOP 0 150.0 SOUTHE LIPRORY 1 PANCETSIS # 12

250 PICKOLITERS רסחףסטאס אחתב PERK R. T. PREAVERN

20

THIERING TENP 32

BUIN

PET-KET BONK

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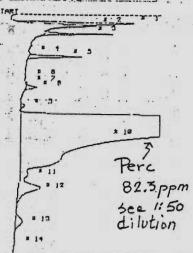
CALIBRATED PEAK S.FERC

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שחחא מאטסיחם PERK R.T. PREAFFIR

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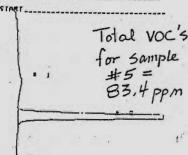
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COMPOUND NAME . PEAK . R. J. AREA/FFM

UNKHOUH 25.5 2.8 US ACE TONE 34.5 20.41 FFB MEK 61.1 499.3 FFB 103.7 171.3 FFB TCE 138,1 14.9 mUS 215,7 33.4 mUS DHKHDHH חאאוסחא TOLUENE 238.5 38.85 FFB חעגאטטא 288.8 321.5 MUS 345.6 59.77 rrn 595.8 1.2 US ETHTL BENZENE 559.1 375.0 rrs 636.3 1.1 US

total voc's excluding Perc: 1137.9 ppb or

+ 82.3 ppm



STOP @ 450.0 SOMPLE LIBRORY 1 JUL 16 1331 . 15:32 VEI-KET BUIK ANALYSIS # 14 1-25 PILUTION

COMPOUND NAME FERK R. T. AREA/FFM

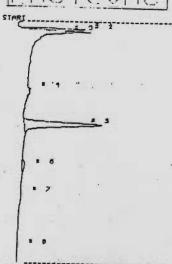
RINKHOLIN 1 -215.7 15.1 AUS 327.8 6.596 FFR

100.0 SUITE LIBEURY I

JUL 16 1991 15:41 PHPLYSIS # PET-PET BANK INTERNAL TENP 32 DUIN

בחרסטאס ארחב PEAK R. T. PREAVERD

215.7 13.4 MUS PERC 328.1 1.046 FFR



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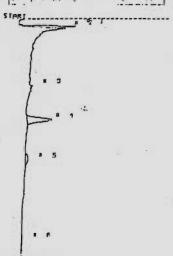
MNOLYSIS # 16 AEI-WEY PANK

INTERNAL TEMP 31 % SAMPLE 6.

OAIN 59 238 MICROLITEKS

בחחר מאטסקחס FEAK R. T. PREPARTE

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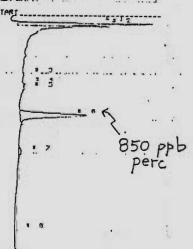
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RNALYSIS 2 CEI-KEY BANK

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COMPOUND HAME FEAK R.T. AREA/PTH

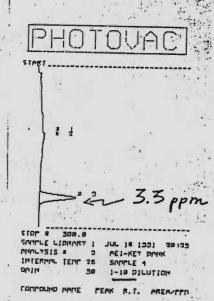
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COMPOUND HAME FERK R. I. AREA/PPM

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611.2 2.582 FFB

792.3 19.07 FFB

בחחר מחשקיום PERK R.T. PREAFFT

1 28.8 1.1 US 2 38.4 233.8 mUS 3 216.1 22.4 mUS 5 207.8 24.25 FTD 6 618.1 114.2 mUS NUKUDNU LOFNEUE NUKUONU NUKUONU NUKUONU NUKUONU

Appendix B - Monitoring Well/Test Boring Logs

Environmental Date Started: 7/7/92 Hole No.: EPS-1 SUBSURFACE LOG Date Finished: 7/7/92 Sheet 1 of 1 PRODUCTS & SERVICES, INC. Project Location: Camarota's Cleaners Method of Investigation: 4 1/4" ID Hollow Stem Auger, split spoon sampling, standard penetration test Client: NYS DEC Drilling Co.: Environmental Products & Services, Inc. Driller: Mike Salazzo Weather: Project Coordinator: Lynne Farrell Drill Rig: Canterra CT-250 Project No.: Partly sunny, 80 degrees Geologist: Rich Amiraunit 32A6997 Surface Elevation: Sample Field Groundwater Depth Sample Sample Blows Analytical Well and Other Recovery (ft.) Description Depth (ft.) /6" Readings Details Observations/Remarks No. (ft.) 0 HNu S1 0.5-2.5 19-15 25 **Pavement** 0.0 (ppm) *Moisture inter-10-8 (Auger cuttings collected as sample S-1, ference due to 70* 2.0'-4.0'). humidity. Brown medium SAND, little coarse to fine Gravel. No odor of petroleum of 5 solvent observed **S2** 5-7 4-3 5 0.4 Brown to yellow brown SILT, little Clay, 70* in soil samples. little coarse to fine Gravel, wet. 2-6 Groundwater observed at 4.5' during boring installation. 10 Gray weathered SHALE fragments in **S**3 10-10.2 50/2" 50 0.2 nose of spoon, moist. Spoon refusal at >200* ~10.2'. Final depth at 12.0' 15 SAMPLE TYPES: S = Split Spoon T = Shelby Tube BACKFILL **Auger Spoils Bentonite** WELL R = Rock Core 0=__ KEY Cement Sand N = ASTM D1586

RODU	JCTS	nmen & SERVICES	, INC.			SUBSURFAC		Hole No.: EP	S-2	COLUMN TO THE OWNER OF THE OWNER O	ted: 7/7/92 shed: 7/7/92		
		cation: Car	marota's	Clea	100000000000000000000000000000000000000	Method of Investig 4 1/4"ID Hollow S		er, split spoon :	sampling, s	ing, standard penetration test			
rojec	t Co	.: Environn ordinator: L Rich Amira	ynne Fa	roduc	Pr	rvices, Inc. oject No.: 32A6997		Mike Salazzo g: Canterra CT e Elevation:		y, 80 degrees			
			Sample						Field		Groundwater		
epth (ft.)	No.	Sample Depth (ft.)	Blows /6"	"N"	Recovery (ft.)	С	Sample Description		Analytica Readings	s Details	and Other Observations/Remark		
	S1	0-2	12-15 10-5	25	0.9	Brown medium S	e Silt.	HNu (ppm) 6.6		No odor of petroleum or solvent observe in soil samples. Groundwater			
5 –	S2	5-7	12-4	12	1.0	Gray to brown Cl coarse to fine Gr (Denser at bottor	avel, wet.		3,0		observed at approximately 4		
8-9				Gray weathered			ND		feet during boring installation.				
			0.33	moist.		3							
10 -						Final depth at 8'							
								ar e					

N = ASTM D1586

PRODU	JCTS	onmen & SERVICES	, INC.	Clas	nore	SUBSURFACI		Hole No.: EPS Sheet 1 of 1			rted: 7/7/92 ished: 7/7/92	
		cation: Car	marota's	Clea		Method of Investig 4 1/4"ID Hollow S		er, split spoon sa	ampling, standard penetration test			
Projec	ct Co	.: Environn ordinator: L Rich Amira	ynne Fa			rvices, Inc. roject No.: 32A6997	Mike Salazzo g: Canterra CT-2 e Elevation:	Weather: Partly sunny, 80 degrees				
Depth		5	Sample						Field		Groundwate	
(ft.)	No.	Sample Depth (ft.)	Blows /6"	"N"	Recovery (ft.)	С	Sample Description				and Other Observations/Re	
	S1	0.5-2.5	5-2 2-5	4	1.2	Pavement Brown to gray co	ne SAND, little	HNu (ppm)		No odor of petroleum or		
						coarse to fine Gra CLAY, some silt,	avel (8"). little coar	Brownish gray	11.0		solvent obser in soil boring	
						Gravel, dry to mo	oist.				samples.	
5 -	S2	5-7	4-5	13	1.2	Gray brown CLA' to fine Gravel, mo		Silt, little coarse	1.2			
Н			8-9			- Inio Gravos, ma	Jiot.					
		Z-X				Yellow brown SIL					Groundwater	
10 -						coarse to fine Gra Spoon refusal 11	.2'				observed at 9 feet during be	
T	<u>S3</u>	3 10.0-11.2 4-2 52 0.4 50/2"				Auger refusal at			ND		installation.	
						Final depth at 11.	.5'					
15 -												
				Н								
				Н								
-												
SAMPLI	ETYP	ES: S = Spli	it Spoon		T=	Shelby Tube	- BAC	KFILL W	Auger S	poils I	Bento	

Appendix C - Site Visit Reports

SITE VISIT REPORT

				nger i	Groun	idwater S	Samplin				Date	e: <u>9</u>	1919	12		2 15 2
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	Other							Tan	k No. 2	_						_
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SITE VISIT REPORT

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Canary - GEOLOGIST/PROJECT COORDINATOR

Pink - FIELD TECHNICIAN

White - CORPORATE GEOTECH DEPARTMENT

Environma	ntal	Oii,	Inc.

Groundwater Remediation System . . Site Visit Report ____.

Date: 7-16-92

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PRODUCTS & SERVICES, INC.
Corporate Office: (800) THE-TANK
P.O. Box 315 • Syracuse, NY 13209-0315

DAILY JOB REPORT

(518) 465-4000 Bridgeport, CT (203) 367-3774

Boston, MA (617) 933-6666

(716) 876-7100

Springfield, MA (413) 731-1000

(914) 561-0707

(716) 436-5660 Linden, NJ (908) 862-8008 (315) 471-0503 Scranton, PA (717) 341-8188

DAILY JOB REPORT								Job Numl	ber:	
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Environn	nental	Oii,	Inc.	
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Groundwater Remediation System . . Site Visit Report

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PRODUCTS & SERVICES, INC.

Corporate Office: (800) THE-TANK
P.O. Box 315 • Syracuse, NY 13209-0315

(518) 465-4000

Bridgeport, CT Boston, MA (203) 367-3774 (617) 933-6666

bullato, NT

(716) 876-7100

(914) 561-0707 Springfield, MA (413) 731-1000 (716) 436-5660 Linden, NJ (908) 862-8008 (315) 471-0503 Scranton, PA (717) 341-8188

	DAILY JOB F	REPORT				Day/D	ate: 7-16-92			Job Num	ber: 324 6997	
Company: DE	C		ie c			Tall G	ate Safety Meeting: Time		Not Ap	plicate	Supervisor/Foreman:	
Street:						Health	a & Safety Site Characterizat	ion: Cha	nge from	Set-up:	☐ Yes ☐ No If ye	es, describe:
City, State, Zip:											\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Location of Work:	CAMAROT	A CLE	CARS	BRS	,	Call y	our supervisor. Time	Sig	nature:_			
Contact:		Teleph				Job D	escription: GOUR	de	STE	2004	Sample	
Change of Scope	(Call your supervisor):					20	05-1, 2,3	·t	ake	sar	noves to lac	3。
						17	so survey	50	Chi	or the	th bush or 10	n-
Job Complete: .	Yes No	Lunch Tal	ken:	Yes [] No							
Code	Name	Title	Start	Finish	Total	Code	Equipment - Typ	е	Qt	y. Code	Material - Type	Qty.
Toda	Scitt	EX	8.60	3:00	7	IP	Interace Pr	doe	1			
CHRIC	RUR128		8:00		4.5	UV	Utility Ver	icl	e 1			
							SUPLEAL STOWN	NEUL	1			
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			10.00									
Per Diem/Number	of Men:			Qua	ntity				UESTA PLAN			
Disposal	Brief Descr	iption		Liquids	Solids							
Drums: 🖸												
Tanker:												
Roll Off:						Code	Long-Term Rental	Qty.	In Ou	rt	Sub-Contractors	
Bags:												
On Plastic 🖸						10						
Comments:									-			
Left on Site:	Yes 🖸 N	ю				h	AROP.					
White - CORPORATE OFFI 2017.021.200.9110	ICE Canary - Bi	RANCH OFFICE		Pink - Cl	USTOMER	Environm	ental Products & Services, Inc.:	75.55		Customer:		

Environmental Oil, Inc.

Groundwater Remediation System Site Visit Report

Date: 7-10-92

at 11:45

1023	1		Site Visit	Heport			-
	FLOWMETER DA	TA			TEFE	ENCEDATA	
. UNIT		GPM	TOTALEER	SITE NAME	DEC M	ECHANIC	JLLE .
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6.70 at 10:37 6.33 at 10:42

I ME TON SOUTH

PRODUCTS & SERVICES, INC.

Corporate Office: (800) THE-TANK P.O. Box 315 • Syracuse, NY 13209-0315

Middley, 141 (518) 465-4000

bullalo, NI (716) 876-7100 (914) 561-0707

11001103(01, 141 (716) 436-5660 (315) 471-0503

Bridgeport, CT (203) 367-3774

Boston, MA (617) 933-6666

Springfield, MA (413) 731-1000

Linden, NJ (908) 862-8008

Scranton, PA (717) 341-8188

	DAILY JOB REP	ORT				Day/D	ate: 7-10-92			Job Number	:32A6997	
Company: DEC						Tall G	ate Safety Meeting: Time		Not Applie	cable	Supervisor/Foreman:	
Street:						Healtl	a & Safety Site Characterization	n: Chan	ge from S	et-up:	Yes No If ye	s, describe:
City, State, Zip:												
Location of Work:	CAMAROTIA (LEA	WER	S (ME	CH)	Call y	our supervisor. Time	_ Sigi	nature:			
Contact:	1	Teleph	one:		,	Job D	escription: Develop	an	dba	ilu	ells, take rec	hourge
Change of Scope (C	Call your supervisor):						w readings					V
							,					
									TALL CLEAN			
Job Complete: Y	es	nch Ta	ken: [Yes [No No							
Code	Name	Title	Start	Finish	Total	Code	Equipment - Type		Qty.	Code	Material - Type	Qty.
Tody	ocott	Er	9:00	1:30	4.5	10	INTERPACE PR			- 25		
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Per Diem/Number o	of Men:			Qua	ntity							
Disposal	Brief Descriptio	n		Liquids	Solids							
Drums: 🖸												
Tanker:	100 Paris 1200 De			1101								
Roll Off:						Code	Long-Term Rental	Qty.	In Out		Sub-Contractors	
Bags: 🖸	guaranya.											
On Plastic 🖸			702-112									
Comments:												
Left on Site:	Yes ⊡ No				(7	SAR		University of the Control			
White - CORPORATE OFFICE 2017.021.200.9110	E Canary - BRANCH	H OFFICE		Pink - C	USTOMER	Environ	ental Products & Services, Inc.:			Customer:		

Appendix D - CTM Analytical Results

Cleaners

CTM ANALYTICAL LABS, LTD. 15 Century Hill Dr. Latham, NY 12110

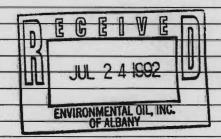
Phone: (518)786-7100 Fax: (518)786-7139

Laboratory Analysis Report
Prepared for: NYS DEC REGION 4
Project Number: 92.03349
Task Number: 920716J
23 JUL 1992

IMPORTANT - PLEASE NOTE

- 1. All results are calculated on a dry weight basis unless otherwise specified.
- 2. PQL = Practical Quantitation Limit.
- 3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
- 4. ND = Not Detected at or above the PQL.
- 5. NTP = Non-target peaks (0-5 peaks).

 MNTP = Many non-target peaks (5+ peaks).
- 6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.



CERTIFICATIONS:

NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581 PA: 68-402 NH: 199014-C

Matrix: WATER

CTM ANALYTICAL LABS, LTD Laboratory Analysis Report 23 JUL 1992

CTM PROJECT #: 92.03349 NYS DEC REGION 4 2176 GUILDERLAND AVENUE SCHENECTADY NY 12306 CTM Task #: 920716J Attention: MR. ALLAN GEISENDORFER Purchase Order Number: 9104582 CTM Sample No: 920716J 01 Date Sampled: 07/15/92 Time: 00:00 Date Received: 07/16/92 Sampled By : SCOTT Collection Method: GRAB Sample Id: EPS-1

Location : CAMARUTAS CLEANERS

Farameters and Standard Meth	odology Used	Results	PQL	Unit	Analyst Referenc
SW-846 8240 VOLATILES		COMPLETED			MC E: 26-27 7/17
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/17
CHLOROMETHANE	SW-846 METHOD 8240	16	10	MCG/L	MC E: 26-27 7/17
VINYL CHLORIDE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7/17
BROMOMETHANE	SW-846 METHOD 8240	D	10	MCG/L	MC E: 26-27 7/17
CHLOROETHANE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7/17
1,1-DICHLORGETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
METHYLENE CHLORIDE	SW-846 METHOD 8240	D	5	MCS/L	MC E: 26-27 7/17
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
CIS 1,2-DICHLORDETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
CHLOROFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
BENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
TRICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
TOLUENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
TETRACHLOROETHENE	SW-846 METHOD 8240	D	5	MCG/L	MC E: 26-27 7/17
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
CHEOROBENZENE	SW-846 METHOD 8240	ND D	5	MCG/L	MC E: 26-27 7/17
ETHYLBENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
BROMOFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
STYRENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
ACETONE	SW-846 METHOD 8240	11	10	MCG/L	MC E: 26-27 7/17
CARBON DISULFIDE	SW-846 METHOD 8240	ND	5	MCS/L	MC E: 26-27 7/17
VINYL ACETATE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7/17
2-HEXANONE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7/17
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 26-27 7/17
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7/17

(CONTINUES ON NEXT PAGE)

REMARKS:

NYS DEC REGION 4		CTM PRO	JECT #: 92.	03349
2176 GUILDERLAND AVENUE				
SCHENECTADY NY 12306		CTM Too	sk #: 920716	1
Attention: MR. ALLAN GEISENDORFER		Lin las	ok. #; 720/10	J
Purchase Order Number: 9104582		CTM Cam	ple No: 920	7111 01
Date Sampled: 07/16/92 Time: 00:00		Date Re	ceived: 07/	14/92
Sampled By: SCOTT		Collect	ion Method:	GRAB
Sample Id: EPS-1		Matrix:		
Location : CAMAROTAS CLEANERS				
Parameters and Standard Methodology Used	Results	PQL	Unit	Analyst Ref
(CONTINUED FROM PREVIOUS PAGE)				
2-BUTANONE (MEK) SW-846 METHOD 8240	ND	10	MCG/L	MC E: 26-27 7
DEMADICE.				
REMARKS:				

NYS DEC REGION 4 2176 GUILDERLAND AVENUE

SCHENECTADY NY 12306

CTM PROJECT #: 92.03349

CTM Task #: 920716J

Attention: MR. ALLAN GEISENDORFER

Purchase Order Number: 9104582

Date Sampled: 07/16/92 Time: 00:00

Sampled By : SCUTT

Sample Id: EPS-2

Location : CAMARDTAS CLEANERS

CTM Sample No: 920716J 02 Date Received: 07/16/92 Collection Method: GRAB

Matrix: WATER

Parameters and Standard Meth	odology Used	Results	POL	Unit	Analyst
SN-846 8240 VOLATILES		COMPLETED			MC E:36-3
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED	-		7/21
CHLOROMETHANE	SW-846 METHOD 8240	D	10	MCG/L	MC E: 36-3
VINYL CHLORIDE	SW-846 METHOD 8240		10	MCS/L	MC E: 36-3
BROMOMETHANE		ND	10	MCG/L	MC E: 36-3
CHLOROETHANE	SW-846 METHOD 8240	D	10		
	SW-846 METHOD 8240	ND		MCG/L	MC E:36-3
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
METHYLENE CHLORIDE	SW-846 METHOD 8240	D	5	MCG/L	MC E:36-3
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
CIS 1,2-DICHLORDETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
CHLOROFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
BENZENE	SW-846 METHOD 8240	D	5	MCG/L	MC E:36-3
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
TRICHLOROETHENE	SW-846 METHOD 8240	D	5	MCG/L	MC E:36-3
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
TOLUENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
TETRACHLORDETHENE	SW-846 METHOD 8240	46	5	MCG/L	MC E:36-3
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
CHLOROBENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
ETHYLBENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
BROMOFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
STYRENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
ACETONE	SW-846 METHOD 8240	20	10	MCG/L	MC E:36-3
CARBON DISULFIDE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-3
VINYL ACETATE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 36-3
2-HEXANONE	SW-846 METHOD 8240	ND	10	MCG/L	MC E:36-3
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-3
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND ND	10	MCG/L	MC E:36-3

(CONTINUES ON NEXT PAGE)

REMARKS:

NYS DEC REGION 4 CTM PROJECT #: 92.03349 2176 GUILDERLAND AVENUE SCHENECTADY NY 12306 CTM Task #: 920716J Attention: MR. ALLAN GEISENDORFER Purchase Order Number: 9104582 CTM Sample No: 920716J 02 Date Sampled: 07/16/92 Time: 00:00 Date Received: 07/16/92 Sampled By : SCOTT Collection Method: GRAB Sample Id: EPS-2 Matrix: WATER Location : CAMARDTAS CLEANERS Parameters and Standard Methodology Used Results POL Unit Analyst Reference (CONTINUED FROM PREVIOUS PAGE) 2-BUTANONE (MEK) SW-846 METHOD 8240 ND MCS/L MC E: 36-37 7/21 REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

NYS DEC REGION 4

2176 GUILDERLAND AVENUE

SCHENECTADY

NY 12306

CTM Task #: 920716J

Attention: MR. ALLAN GEISENDORFER

Purchase Order Number: 9104582

CTM Sample No: 920716J 03

Date Sampled: 07/16/92 Time: 00:00

Date Received: 07/16/92

Sample By: SCOTT

Collection Method: GRAB

Sample Id: EPS-3

Matrix: WATER

Location : CAMARDTAS CLEANERS

Parameters and Standard Metho	odology Used	Results	PQL	Unit	Analyst Re
SW-846 8240 VOLATILES		COMPLETED			MC E:36-37
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED	117 1110		7/21
CHLOROMETHANE	SW-846 METHOD 8240	ND	10	MCG/L	MC E:36-37
VINYL CHLORIDE	SW-846 METHOD 8240	D	10	MCG/L	MC E:36-37
BROMOMETHANE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 36-37
CHLDROETHANE	SW-846 METHOD 8240	ND	10	MCG/L	MC E:36-37
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
METHYLENE CHLORIDE	SW-846 METHOD 8240	D	5	MCG/L	MC E: 36-37
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	6	5	MCG/L	MC E:36-37
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	34	5	MCG/L	MC E:36-37
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
CHLOROFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
BENZENE	SW-846 METHOD 8240	130	5	MCG/L	MC E:36-37
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
TRICHLORGETHENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
TULUENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
1,1,2-TRICHCORDETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
TETRACHLOROETHENE	SW-846 METHOD 8240	1,100	50	MCG/L	MC E:36-37
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
CHLOROBENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
ETHYLBENZENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
BRUMOFORM	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
STYRENE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
ACETONE	SW-846 METHOD 8240	D	10	MCG/L	MC E:36-37
CARBON DISULFIDE	SW-846 METHOD 8240	ND	5	MCG/L	MC E: 36-37
VINYL ACETATE	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 36-37
2-HEXANONE	SW-846 METHOD 8240	ND	10	MCG/L	MC E:36-37
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	5	MCG/L	MC E:36-37
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	10	MCG/L	MC E: 36-37

(CONTINUES ON NEXT PAGE)

REMARKS:

	20 00	L 1992		-50-						
NYS DEC REGION 4			CTM PRO.	JECT #: 92.	03349					
2176 GUILDERLAND AVENU				OHERE - War						
SCHENECTADY	NY 12306									
Attention: MR. ALLAN 6	GEISENDORFER		CIM Task	#: 920716.	J					
Purchase Order Number:	9104592		CTM C	1- N 070	71/1 07					
Date Sampled: 07/16/92	7 Time: 00:00			le No: 920						
Sampled By : SCOTT	11me: 00:00		Date Received: 07/16/92 Collection Method: GRAB							
Sample Id: EPS-3			Matrix:		ONAB					
Location : CAMAROTAS C	CLEANERS									
Parameters and Standar	rd Methodology Used	Results	PQL	Unit	Analyst Refer					
	(CONTINUED FROM PREVIOUS PA	GE)								
2-BUTANONE (MEK)	SW-846 METHOD 8240	ND	10	MCG/L	MC E:36-37 7/2					

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

15 Century Hill Driv P.O. Box 727 Latham, NY 12110 518-786-7100 FAX 518-786-7139	CTM	Spill No. 9	LABO	PRATORY SE	RVICES	3 1	Tob PS	No 3	CTM T BZA 699 No A	7 928
Client Contact_	DEC - Cumunitus Cleum BILL TESMORE CAMPROTAS CLEANE	1		Sample CTM C		e (pleas	Se pri	scot nt)	+ (EPS)	around time
CTM LAB ID	Sample ID/Descrip	tion	Date Sampled	Time A = a.m. P = p.m.	Samp Matrix	C O M P	e G R A B	# of- Con- tainers	Preservative (list by # from list below)	Analysis Required
07 02 03	EPS-1 EPS-2 EPS-3	7/16/92 7/16/92	*	Hzo Hzo		XXX	3 3		EPA Method 8240 EPA method 8240 EPA method 8240 1	
		<i>f</i>								
Sampled bys	signature) Date/Time	Received by:	(signature)	Date	/Time					
Relinquished by Dispatched by	7-16 A.M. Dy: (signature)	Received by:	(signature)			1. HCI 2. HNC 3. NaO 4. NaS 5. Zn A	O ₃ OH 5 ₂ O ₃		orbic O ₄ iltered) not preserved)	Sample Condition 1. Samples intact? 2. Custody seals intact? 3. Preserved property? 4. Ambient or chilled? 5. C.O.C. received with Y is samples?
Ngtes/com/	und send copy to Ly Fax # 465-5727	nne Forrel	(EPS)			Method	d of S	hipment:		Date:
				. 7	-					

Amazota CLOANIERS CTM ANALYTICAL LABS, LTD. 15 Century Hill Dr. Latham, NY 12110 Phone: (518) 786-7100 Fax: (518) 786-7139 Laboratory Analysis Report Prepared for: NYS DEC REGION 5 Project Number: 92.03349 Task Number: 9207080 03 AUG 1992 IMPORTANT - PLEASE NOTE 1. All results are calculated on a dry weight basis unless otherwise specified. 2. PQL = Practical Quantitation Limit. 3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL). 4. ND = Not Detected at or above the PQL. 5. NTP = Non-target peaks (0-5 peaks). MNTP = Many non-target peaks (5+ peaks). 6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time. 7. Methylene chloride and acetone found in samples may be lab artifacts CERTIFICATIONS: NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581 PA: 68-402 NH: 199014-C

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 01 Date Sampled: 07/07/92 Time: 4:30 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: FH26 DRUM SAMPLE Matrix: SOIL Location : CAMARDTAS CLEANERS

Parameters and Standard Meth	lodology Used	Results	PQL	Unit	Analyst Refer
SW-846 8240 VOLATILES		COMPLETED			MC E: 24-25 7/
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/16
CHLOROMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25 7/1
VINYL CHLORIDE	SW-846 METHOD 8240	ND ND	11	MCS/KG	MC E: 24-25 7/1
BROMOMETHANE	SW-846 METHOD 8240	ND ND	11	MCS/KG	MC E: 24-25 7/1
CHLORDETHANE	SW-846 METHOD 8240	ND O	11	MC6/K6	MC E: 24-25 7/1
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ME	5	MCG/KG	MC E: 24-25 7/1
METHYLENE CHLORIDE	SW-846 METHOD 8240	38	5	MCS/KG	MC F: 24-25 7/1
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 24-25 7/1
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MC6/KG	MC E: 24-25 7/1
1,1-DICHLOROETHENE	SW-846 METHOD 8240	AND THE REAL PROPERTY OF THE P	5	MCG/KG	MC E: 24-25 7/1
CHLOROFORM	SW-846 METHOD 8240	D	5	MCG/KG	MC E: 24-25 7/1
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND/	5	MCG/KG	MC E: 24-25 7/1
CARBON TETRACHLORIDE	SW-846 METHOD 8240		5	MCG/KG	MC E: 24-25 7/1
BENZENE	SW-846 METHOD 8240	ND .	5	MCG/KG	MC E: 24-25 7/1
1.2-DICHLORDETHANE	SW-846 METHOD 8240	ND ND	5	MC6/KG	MC E: 24-25 7/1
TRICHLOROETHENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25 7/1
1.2-DICHLOROPROPANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25 7/1
BROMOD ICHLOROMETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25 7/1
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 24-25 7/1
TOLUENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25 7/1
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND_	5	MCG/KG	MC F: 24-25 7/1
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25 7/1
TETRACHLOROETHENE	SW-646 METHOD 8240	D	5	MC6/KG	MC E: 24-25 7/1
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25 7/1
CHLOROBENZENE	SW-846 METHOD 8240	ND	5	MC6/K6	MC E: 24-25 7/1
ETHYLBENZENE	SW-846 METHOD 8240	ND ND	5	MCS/KG	MC F: 24-25 7/1
BROMOFORM	SW-846 METHOD 8240	ND	5	MC6/KG	MC F: 24-25 7/1
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25 7/1
STYRENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 24-25 7/1
ACETONE	SW-846 METHOD 8240	37	11	MCS/KG	MC F: 24-25 7/1
CARBON DISULFIDE	SW-846 METHOD 8240	ND /	5	MCG/KG	MC F: 24-25 7/1
VINYL ACETATE	SW-846 METHOD 8240	ND .	11	MCG/KG	MC F: 24-25 7/1
2-HEXANDNE	SW-846 METHOD 8240	ND	11	MCG/KG	MC F: 24-25 7/1
XYLENE (TOTAL)	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25 7/1
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	11	MCG/KG	MC F: 24-25 7/1

(CONTINUES ON NEXT PAGE)

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 NY 12977 RAY BROOK CTM Task #: 920708Q Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 01 Date Sampled: 07/07/92 Time: 4:30 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: FH26 DRUM SAMPLE Matrix: SOIL Location : CAMARDTAS CLEANERS Parameters and Standard Methodology Used Results Unit Analyst Reference (CONTINUED FROM PREVIOUS PAGE) 2-BUTANONE (MEK) SW-846 METHOD 8240 ND MCG/KG MC E: 24-25 7/16 % SOLIDS CLP SO# 4/89 93 EP 7/13 PETROLEUM HYDROCARBONS EPA METHOD 418.1 1,700 60 CC B:99 7/23 MG/KG SONICATION EXTRACTION SW-846 3550 COMPLETED EP 7/16 REMARKS: LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

NYS DEC REGION 5 ROUTE 86			<u> </u>	DJECT #: 92.	V.J. 14.1
RAY BROOK NY 12	977				
Attention: RICH WAGNER			CTM Tas	sk #: 920708	<u> </u>
				'9	rue v
Purchase Order Number: 9104			CTM San	mple No: 920	7080 02
Date Sampled: 07/07/92 Time	e: 4:20 PM			eceived: 07/	
Sampled By : AMIRAULT			Collect	tion Method:	COMPOSITE
Sample Id: FH27 DRUM SAMPLE			Matrix	SOIL	
Location : CAMAROTAS CLEANE	RS .				
Parameters and Standard Meti	hodology Used	Results	PQL	Unit	Analyst Ref
SW-846 8240 VOLATILES		COMPLETED			MC E: 24-25 7
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/16
CHLOROMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25 7
VINYL CHLORIDE	SW-846 METHOD 8240	ND	11	MCS/K6	MC E: 24-25 7
BROMOMETHANE	SW-846 METHOD 8240	ND	11	MCS/KG	MC E: 24-25 7
CHLOROETHANE	SW-846 METHOD 8240	ND	11	MCS/KG	MC E: 24-25 7
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND	7 6	MCS/KS	MC E: 24-25 7
METHYLENE CHLORIDE	SW-846 METHOD 8240	32	1 6	MCS/KS	MC F: 24-25 7
TRANS 1,2-DICHLORDETHENE	SW-846 METHOD 8240	(ND/	6	MCG/KG	MC F: 24-25 7
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ME)	4	MCG/KG	MC E: 24-25 7
CHLDROFORM	SW-846 METHOD 8240	D	6	MCS/KG	MC E: 24-25 7
1,1,1-TRICHLORDETHANE	SW-846 METHOD 8240	ND	4	MCG/KG	MC E: 24-25 7
CARBON TETRACHLORIDE	SW-846 METHOD 8240	140	4	MCS/KS	MC E: 24-25 7
BENZENE	SW-846 METHOD 8240	D /	6	MCG/KG	MC E: 24-25 7
1,2-DICHLOROETHANE	SW-846 METHOD 8240	NB	4	MCS/KS	MC E: 24-25 7
TRICHLOROETHENE	SW-846 METHOD 8240	ND	4	MCG/KG	MC E: 24-25 7
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
TRANS-1, 3-DICHLOROPROPENE	SW-846 METHOD 8240	NO	6	MCS/KS	MC E: 24-25 7
TOLUENE	SW-846 METHOD 8240	10/	6	MCG/KG	MC E: 24-25 7
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	NB	6	MCG/KG	MC E: 24-25 7
TETRACHLOROETHENE	SW-846 METHOD 8240	160	6	MC6/K6	MC E: 24-25 7
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND /	6	MCG/KG	MC E: 24-25 7
CHLOROBENZENE	SW-846 METHOD 8240		6	MCS/KG	MC E: 24-25 7
ETHYLBENZENE	SW-846 METHOD 8240	6	<i>h</i>	MCG/KG	MC F: 24-25 7
BROMOFORM	SW-846 METHOD 8240	ND ND	6	MCG/KG	MC F: 24-25 7
1,1,2,2-TETRACHLORDETHANE	SW-846 METHOD 8240	ND	6.	MCG/KG	MC E: 24-25 7
STYRENE	SW-846 METHOD 8240	MD	6	MC6/KG	MC F: 24-25 7
ACETONE	SW-846 METHOD 8240	12 /	_11	MCG/KG	MC F: 24-25 7
CARBON DISULFIDE	SW-846 METHOD 8240	/ ND/	6	MCG/KG	MC E: 24-25 7
VINYL ACETATE	SW-846 METHOD 8240	NO	11	MCS/KG	MC F: 24-25 7
2-HEXANONE	SW-846 METHOD 8240	NO.	11	MCG/KG	MC F: 24-25 7
XYLENE (TOTAL)	SW-846 METHOD 8240	27 /	6	MCG/KG	MC F: 24-25 7
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND /	11	MCG/KG	MC F: 24-25 7/
Vice and the second	(CONTINUES ON NEXT PAGE)				

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER ----Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 02 Date Sampled: 07/07/92 Time: 4:20 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: FH27 DRUM SAMPLE Matrix: SOIL Location : CAMAROTAS CLEANERS Parameters and Standard Methodology Used PQL Results Unit Analyst Reference (CONTINUED FROM PREVIOUS PAGE) 2-BUTANONE (MEK) SW-846 METHOD 8240 MCG/KG MC E: 24-25 7/16 % SOLIDS CLP SOW 4/89) % 88 EP 7/13 PETROLEUM HYDROCARBONS EPA METHOD 418.1 1,400 MG/KS CC B: 99 7/23 SONICATION EXTRACTION SW-846 3550 COMPLETED EP 7/16 REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

-		03 AUG				
	NYS DEC REGION 5			CTM PRO	JECT #: 92.	03349
	ROUTE 86					
	RAY BROOK NY 1:	2977				
5				CTM Tas	k #: 920708	0
	Attention: RICH WAGNER					
					**	
	Purchase Order Number: 9104	4582/92111	The second of the second	CTM Sam	ple No: 920	7080 03
	Date Sampled: 07/07/92 Tin	me: 10:50 AM			ceived: 07/	
7	Sampled By : AMIRAULT				ion Method:	
	Sample Id: EPS-1 CUTTINGS	0-4		Matrix		
	Location : CAMAROTAS CLEANE	ERS				
	Parameters and Standard Met	thodology Used	Results	POL	Unit	Analyst Reference
	SW-846 8240 VOLATILES		COMPLETED			MC E: 24-25 7/16
	PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/16
	CHLOROMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25 7/16
	VINYL CHLORIDE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25 7/16
	BROMOMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25 7/16
	CHLOROETHANE	SW-846 METHOD 8240	ND _	11	MCG/KG	MC E: 24-25 7/16
	1 1-DICHI ORDETHANE	CH_DA/ METLION COAA	No.	-		Wa = 24 25 2111

SW-846 8240 VOLATILES		CONOL CTEN	VO - 01 - 01
PURGE & TRAP EXTRACTION	CH DA! METIND EAZO	COMPLETED	MC E: 24-25 7/16
CHLOROMETHANE	SW-846 METHOD 5030	COMPLETED	7/16
VINYL CHLORIDE	SW-846 METHOD 8240	ND 11	MCG/KG MC E: 24-25 7/16
BROMOMETHANE	SW-B46 METHOD 8240	ND 11	MCG/KG MC E: 24-25 7/16
	SW-846 METHOD 8240	ND 11	MCG/KG MC E: 24-25 7/16
CHLOROETHANE	SW-846 METHOD 8240	ND 11	MCG/KG MC E: 24-25 7/16
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND 5	MC6/KG MC E: 24-25 7/16
METHYLENE CHLORIDE	SW-846 METHOD 8240	32/5	MCG/KG MC F: 24-25 7/16
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	NB 5	MCG/KG MC F: 24-25 7/16
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND 5	MCG/K6 MC E: 24-25 7/16
1,1-DICHLOROETHENE	SW-846 METHOD 8240	NE 5	MCG/KG MC 5:24-25 7/16
CHLOROFORM	SW-846 METHOD 8240	D / 5	MCS/KS MC E: 24-25 7/16
1,1,1-TRICHLORDETHANE	SW-846 METHOD 8240	ND 5	MCG/KG MC 5:24-25 7/16
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
BENZENE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
TRICHLOROETHENE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND 5	MCG/KG MC F: 24-25 7/16
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD B240	NED 5	MCG/KG MC E: 24-25.7/16
TOLUENE	SW-846 METHOD 8240	0 5	MCG/KG MC F: 24-25 7/16
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND 5	MCS/KG MC E:24-25 7/16
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND / 5	MCG/KG MC E:24-25 7/16
TETRACHLOROETHENE	SW-846 METHOD 8240	D 5	MCS/KS MC E: 24-25 7/16
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
CHLOROBENZENE	SW-846 METHOD 8240	ND 5	MCG/KG MC F: 24-25 7/16
ETHYLBENZENE	SW-846 METHOD 8240	ND 5	MCG/KB MC_F: 24-25_7/16
BROMOFORM	SW-846 METHOD 8240	ND 5	MCG/KG MC F: 24-25 7/16
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND 5	MCG/KG MC E: 24-25 7/16
STYRENE	SW-846 METHOD 8240	5	MCG/KG MC F: 24-25 7/16
ACETONE	SW-846 METHOD 8240	D 11	MCG/KG MC F: 24-25 7/16
CARBON DISULFIDE	SW-846 METHOD 8240	/ MR 5	MCG/KG MC F: 24-25 7/16
VINYL ACETATE	SW-846 METHOD 8240	ND 11	MCB/KB MC F: 24-25 7/16
2-HEXANONE	SW-846 METHOD 8240	· ND 11	MCB/KB MC E: 24-25 7/16
XYLENE (TOTAL)	SW-846 METHOD 8240	ND 5	MCS/KS MC E: 24-25 7/16
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND 11	MCB/KB MC F: 24-25 7/16
The state of the s	THE CHIEF OF IA		THE COLUMN

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NYS DEC REGION 5			CTM PRO	JECT #: 92.	05349
ROUTE 86 RAY BROOK NY	12977				
KRT BRUUK NT	121//		CTM T	L # 000700	0
Attention: RICH WAGNER			Cin las	k #: 920708	W
Nevertorial International	market .			***	
Purchase Order Number: 9			CTM Sam	ple No: 920	7080 03
Date Sampled: 07/07/92				caived: 07/	
Sampled By : AMIRAULT				ion Method:	
Sample Id: EPS-1 CUTTING	9S 0-4		Matrix:		
Location : CAMAROTAS CLE	ANERS				
Parameters and Standard	Methodology Used	Results	PQL	Unit	Analyst Ref
	(CONTINUED FROM PREVIOUS PAGE)			
2-BUTANONE (MEK)	SW-846 METHOD 8240	ND	ii	MCS/KG	MC E: 24-25 7
% SOLIDS	CLP SDW 4/89	92		7.	EP 7/13
				-	
	The state of the s				15/2
REMARKS:					
		LEGEND: MG/KG=PPM, MC	G/KG=PPB.	MG/L=PPM. M	CG/L=PPB, MCG/

NYS DEC REGION 5

ROUTE 86

RAY BROOK NY 12977

CTM Task #: 9207089

Attention: RICH WAGNER

Purchase Order Number: 9104582/92111

Date Sampled: 07/07/92 Time: 11:00 AM

Date Received: 07/08/92

Sampled By: AMIRAULT

Sample Id: EPA1-5/7

Location: CAMAROTS CLEANERS

Parameters and Standard Meth	nodology Used	Results	POL	Unit	Analyst Re
OU 044 0040 UN 1777 OF					
SW-846 8240 VOLATILES		COMPLETED			MC E: 24-25
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/16
CHLOROMETHANE	SW-846 METHOD 8240	ND	12	MCG/KG	MC E: 24-25
VINYL CHLORIDE	SW-846 METHOD 8240	ND	12	MCG/KG	MC E: 24-25
BROMOMETHANE	SW-846 METHOD 8240	ND	12	MCG/KG	MC E: 24-25
CHLOROETHANE	SW-846 METHOD 8240	ND	12	MCG/KG	MC E: 24-25
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ME)	6	MCG/KG	MC E: 24-25
METHYLENE CHLORIDE	SW-846 METHOD 8240	32 /	6	MC6/K6	MC E: 24-25
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	(ND	6	MCG/KG	MC F: 24-25
CIS 1,2-DICHLORDETHENE	SW-846 METHOD 8240	ND	6	MCS/KS	MC E: 24-25
1,1-DICHLOROETHENE	SW-846 METHOD 8240	MO	6	MCG/KG	MC E: 24-25
CHLOROFORM	SW-846 METHOD 8240	// D	6	MCG/KG	MC E: 24-25
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	NB	6	MCG/KG	MC E: 24-25
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
BENZENE	SW-846 METHOD 8240	ND	6	-MCG/KG	MC E: 24-25
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	6	MCS/KG	MC E: 24-25
TRICHLOROETHENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	6	MC6/KG	MC E: 24-25
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
TOLUENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
TETRACHLOROETHENE	SW-846 METHOD 8240	ND_	6	MCG/KG	MC E: 24-25
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
CHLOROBENZENE	SW-846 METHOD 8240	D /	6	MCG/KG	MC E: 24-25
ETHYLBENZENE	SW-846 METHOD 8240	NB	6	MCG/KG	MC F: 24-25
BROMOFORM	SW-846 METHOD 8240	ND	6	MCG/KG	MC F: 24-25
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND _	6	MCG/KG	MC E: 24-25
STYRENE	SW-846 METHOD 8240	(AND)	6	MCG/K6	MC F: 24-25
ACETONE	SW-846 METHOD 8240	// D /	12	MCG/KG	MC F: 24-25
CARBON DISULFIDE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25
VINYL ACETATE	SW-846 METHOD 8240	ND .	12	MCG/KG	MC E: 24-25
2-HEXANONE	SW-846 METHOD 8240	· ND	12	MC6/KG	MC E: 24-25
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	6	MCG/KG	MC F: 24-25
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	12	MCG/KG	MC F: 24-25

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(I () Psults	CTM Task CTM Samp) Date Recs Collection Matrix: S	k #: 9207086 Ple No: 9207 ceived: 07/0 ion Method:	3Q 2708Q 04 708/92
(I () Psults	CTM Task CTM Samp) Date Recs Collection Matrix: S	ele No: 9207080 ele No: 9207080 ceived: 07/0 ion Method: SOIL Unit	O708Q 04 O8/92 COMPOSITE Analyst Re
(I () esults	CTM Samp) Date Recs Collectio Matrix: S	ole No: 9207 eived: 07/0 ion Method: SOIL Unit	0708Q 04 08/92 CDMPOSITE Analyst Re
(I () esults	CTM Samp) Date Recs Collectio Matrix: S	ole No: 9207 eived: 07/0 ion Method: SOIL Unit	0708Q 04 08/92 CDMPOSITE Analyst Re
(I () esults	CTM Samp) Date Recs Collectio Matrix: S	ole No: 9207 eived: 07/0 ion Method: SOIL Unit	0708Q 04 08/92 CDMPOSITE Analyst Re
I () 	Date Rece Collection Matrix: S	Ple No: 9207 ceived: 07/0 ion Method: SOIL Unit	0708Q 04 08/92 COMPOSITE Analyst Re
I () 	Date Rece Collection Matrix: S	ceived: 07/0 ion Method: SOIL Unit MCG/KG	/08/92 COMPOSITE Analyst Re
esults	Collectio Matrix: S	Unit MCG/KG	Analyst Re
esults	Matrix: S	SOIL Unit MCG/KG	Analyst Re
esults	PQL	Unit MCG/KG	MC E: 24-25
esults		MCG/KG	MC E: 24-25
CTM Sample No: 92 Date Received: 07 Collection Method Matrix: SOIL Results PQL Unit ND 12 MCS/K6	MCG/KG	MC E: 24-25	
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03 AUG 1992 NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 05 Date Sampled: 07/07/92 Time: 11:10 AM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS-1 10-10.2 Matrix: SOIL Location : CAMAROTAS CLEANERS Parameters and Standard Methodology Used Results POL Unit Analyst Reference SW-846 8240 VOLATILES COMPLETED MC E: 24-25 7/16 PURGE & TRAP EXTRACTION SW-846 METHOD 5030 COMPLETED 7/16 CHLOROMETHANE SW-846 METHOD 8240 10 MCG/KG ND MC E: 24-25 7/18 VINYL CHLORIDE SW-846 METHOD 8240 ND 10 MCG/KG MC E: 24-25 7/16 BROMOMETHANE SW-846 METHOD 8240 ND 10 MCG/KG MC E: 24-25 7/16 CHLOROETHANE SW-846 METHOD 8240 ND 10 MCG/KG MC F: 24-25 7/16 1,1-DICHLOROETHANE SW-846 METHOD 8240 ND MCG/KG MC E: 24-25 7/16 METHYLENE CHLORIDE SW-846 METHOD 8240 47 5 MCS/KG MC F: 24-25 7/16 TRANS 1,2-DICHLOROETHENE SW-846 METHOD 8240 ND 5 MCG/KG MC F: 24-25 7/16 CIS 1.2-DICHLOROETHENE SW-846 METHOD 8240 5 MD MCG/KG MC E: 24-25, 7/16 1.1-DICHLOROETHENE SW-846 METHOD 8240 5 ND MCG/KG MC E: 24-25 7/16 CHLOROFORM SW-946 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 1.1.1-TRICHLOROETHANE SW-846 METHOD 8240 5 ND MCS/KG MC E: 24-25 7/16 CARBON TETRACHLORIDE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/18 BENZENE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 1,2-DICHLOROETHANE SW-846 METHOD 8240 5 ND MCG/KG MC E: 24-25 7/16 TRICHLORDETHENE SW-846 METHOD 8240 ND 5 MC E: 24-25 7/16 MCG/KG 1,2-DICHLOROPROPANE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25, 7/16 BROMODICHLOROMETHANE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 TRANS-1,3-DICHLOROPROPENE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 TOLUENE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 CIS-1,3-DICHLOROPROPENE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 1,1,2-TRICHLOROETHANE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 TETRACHLOROETHENE SW-846 METHOD 8240 ND 5 MCS/KG MC E: 24-25 7/16 DIBROMOCHLOROMETHANE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 CHLOROBENZENE SW-846 METHOD 8240 ND 5 MCS/KG MC E: 24-25 7/16 ETHYLBENZENE SW-846 METHOD 8240 ND 5 MCG/KG MC F: 24-25 7/16 BROMOFORM SW-846 METHOD 8240 ND 5 MCG/KG MC F: 24-25 7/16 1,1,2,2-TETRACHLOROETHANE SW-846 METHOD 8240 ND 5 MCG/KG MC E: 24-25 7/16 STYRENE SW-846 METHOD 8240 MI 5 MCG/KG MC E: 24-25 7/16 ACETONE SW-846 METHOD 8240 10 MC F: 74-75 7/16 MCG/KG CARBON DISULFIDE SW-846 METHOD 8240 ND 5 MC F: 24-25 7/16 MCG/KG VINYL ACETATE SW-846 METHOD 8240 ND 10 MCG/KG MC F: 24-25 7/16 2-HEXANDNE SW-846 METHOD 8240 ND 10 MCS/KG MC F: 24-25 7/16 XYLENE (TOTAL) SW-846 METHOD 8240 ND 5 MCG/KG MC F: 24-25 7/16 4-METHYL-2-PENTANONE (MIBK) SW-846 METHOD 8240 ND 10 MC F: 24-25 7/16 MCG/KG

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	03	AUG 1992	- 150		
NYS DEC REGION 5			OTH DE		47740
ROUTE 86			CIM PRO	DJECT #: 92.	03349
RAY BROOK	NY 12977				
THE DISSE	12/1/		CTM Tax	sk #: 920708	0
Attention: RICH WAS	NER		J Ciri ia:	SK #: 720/00	U
Purchase Order Numb	er: 9104582/92111		CTM Sac	mple No: 920	
Date Sampled: 07/07	/92 Time: 11:10 AM			caived: 07/	
Sampled By : AMIRA	ULT			tion Method:	
Sample Id: EPS-1 10	-10.2		Matrix:	SOIL	001100110
Location : CAMAROTA	S CLEANERS				
Parameters and Stan	dard Methodology Used	Results	PQL	Unit	Analyst Reference
	/ CONTINUED COOK ORGANICA				
	(CONTINUED FROM PREVIOUS	PAGE)		_	
2-BUTANONE (MEK)	S₩-846 METHOD 8240	ND	10	MCG/KG	MC E: 24-25 7/16
% SOLIDS	CLP SOW 4/89	98	10	%	EP 7/13
		70			EF //13
REMARKS:					
			A AREA		
		LEGEND: MG/KG=PPM, MC	KG=PPR	MG/I =PPM M	CS/L=PPB. MCS/G=PPM
				11072-11119 11	CO/L-17 DE 1100. O 1111
				HOTE THIS IS	0072 1194 11

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 06 Date Sampled: 07/07/92 Time: 12:45 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS-2-0-2 Matrix: SOIL Location : CAMAROTAS CLEANERS

Parameters and Standard Meth	logology used	Results	POL	Unit	Analyst Re
SW-846 8240 VOLATILES		COMPLETED			MC E:34-35
PURSE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED	Sign Sign		7/20
CHLOROMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 34-35
VINYL CHLORIDE	SW-846 METHOD 8240	ND	11	MCB/KB	MC E: 34-35
BROMOMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 34-35
CHLOROETHANE	SW-846 METHOD 8240	ND	11	MCB/KB	MC F: 34-35
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E:34-35
METHYLENE CHLORIDE	SW-846 METHOD 8240	10/	5	MCB/KB	MC F: 34-35
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	(NB)	5	MCE/KE	MC F: 34-35
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND _	5	MCG/KG	MC E: 34-35
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND)	5	MCG/KG	MC E: 34-35
CHLDROFORM	SW-846 METHOD 8240	(p	5	MCG/KG	MC F: 34-35
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 34-35
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 34-35
BENZENE	SW-846 METHOD 8240	ND .	5	MCS/KG	MC E: 34-35
1.2-DICHLOROETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 34-35
TRICHLOROETHENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 34-35
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 34-35
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 34-35
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 34-35
TOLUENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 34-35
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 34-35
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 34-35
TETRACHLOROETHENE	SW-846 METHOD 8240	ND	5	MCS/KG	MC F: 34-35
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E:34-35
CHLOROBENZENE	SW-846 METHOD 8240	ND	5	MCB/KB	MC F: 34-35
ETHYLBENZENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 34-35
BROMOFORM	SW-846 METHOD 8240	ND	5	MCS/KG	MC F: 34-35
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 34-35
STYRENE	SW-846 METHOD 8240		5	MCE/KE	MC F: 34-35
ACETONE	SW-846 METHOD 8240	/ D /	11	MCG/KG	MC F: 34-35
CARBON DISULFIDE	SW-846 METHOD 8240	/ ND	5	MCG/KG	MC F: 34-35
VINYL ACETATE	SW-846 METHOD 8240	ND .	11	MCG/KG	MC F: 34-35
2-HEXANONE	SW-846 METHOD 8240	ND	11	MCG/KG	MC F: 34-35
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	5	MCG/KG	MC F: 34-35
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	11	MCB/KG	MC F: 34-35

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NYS DEC REGION 5			CTM PRO	JECT #: 92.	03349
ROUTE 86					
RAY BROOK N	Y 12977				
			CTM Tas	k #: 920708	Q
Attention: RICH WAGNER	the state of the s		1		
	01.4500 (00.450)			1997.44	
Purchase Order Number:	9104582/92111		CTM Sam	ple No: 920	7089 06
Date Sampled: 07/07/92	Time: 12:45 PM		Date Re	ceived: 07/	08/92
Sampled By : AMIRAULT			Collect	ion Method:	COMPOSITE
Sample Id: EPS-2-0-2	LEANERO		Matrix:	SOIL	
Location : CAMAROTAS C	LEANERS				
Parameters and Standard	d Methodology Used	Results	PQL	Unit	Analyst Ref
	(CONTINUED FROM PREVIOUS PAGE	}			
	TOTAL THE THE THE TOTAL THE				
2-BUTANONE (MEK)	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 34-35 7
% SOLIDS	CLF SOW 4/89	95		7.	EP 7/13
			-		
REMARKS:			-		
		LECEND. MO GO DEN MO	3.(VC -007	W0.01 200	
		LEGEND: MG/KG=PPM, MC	o/Kb=PPB,	MG/L=FFM.	

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NYS DEC REGION 5			CTM PRO	DJECT #: 92.	03349
ROUTE 86			9,11. 1,15	- N	
RAY BROOK NY 129	777				
ALL-Li- DICH HACKED			CTM Tas	k #: 920708	Q
Attention: RICH WAGNER					
Purchase Order Number: 91045	502/02111		CTM C		7000 07
Date Sampled: 07/07/92 Time				nple No: 920	THE RESERVE AND ADDRESS OF THE PARTY OF THE
Sampled By : AMIRAULT	1100 111			ion Method:	
Sample Id: EPS-2 5-7			Matrix:		CONFUSITE
Location : CAMAROTAS CLEANER	kS .				
Parameters and Standard Meth	nodology Used	Results	PQL	Unit	Analyst Ref
SW-846 8240 VOLATILES					
PURGE & TRAP EXTRACTION	CH OAL METION FOR	COMPLETED			MC E: 24-25 7
CHLOROMETHANE	SW-846 METHOD 5030	COMPLETED			7/16
VINYL CHLORIDE	SW-846 METHOD 8240 SW-846 METHOD 8240	ND ND	12	MCG/KG	MC E: 24-25 7
BROMOMETHANE	SW-846 METHOD 8240	ND ND	12	MCG/KG	MC E: 24-25 7
CHLOROETHANE	SW-846 METHOD 8240	ND	12	MCG/KG MCG/KG	MC E: 24-25 7
1,1-DICHLOROETHANE	SW-846 METHOD 8240	NO	6	MCG/KG	MC E: 24-25 7
METHYLENE CHLORIDE	SW-846 METHOD 8240	23	4	MCS/KG	MC F: 24-25 7
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND /	6	MCG/KG	MC F: 24-25 7
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	MB	6	MCS/KG	MC E: 24-25 7
1.1-DICHLOROETHENE	SW-846 METHOD 8240	ND ND	6	MCG/KG	MC E: 24-25 7
CHLOROFORM	SW-846 METHOD 8240	ND	6	MC6/KG	MC E: 24-25 7
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
BENZENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7/
TRICHLOROETHENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25.7/
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	6	MCG/K6	MC E: 24-25 7
TOLUENE	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	6	MCS/KG	MC E: 24-25 7
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND)	6	MCG/KG	MC E: 24-25 7/
TETRACHLOROETHENE	SW-846 METHOD 8240	33	6	MCS/KG	MC E: 24-25 7/
DIBROMOCHLOROMETHANE CHLOROBENZENE	SW-846 METHOD 8240	ND /	6	MCG/KG	MC E: 24-25 7/
ETHYLBENZENE	SW-846 METHOD 8240	ND ND	6	MC6/K6	MC E: 24-25 7/
BROMOFORM	SW-846 METHOD 8240 SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND ND	6	MCG/KG	MC E: 24-25 7/
STYRENE	SW-846 METHOD 8240	(ND)	6	MCG/KG	MC E: 24-25 7/
ACETONE	SW-846 METHOD 8240	D	12	MCG/KG	MC F: 24-25 7/
CARBON DISULFIDE	SW-846 METHOD 8240	/ ND	6	MCG/KG	MC E: 24-25 7/
VINYL ACETATE	SW-846 METHOD 8240	ND .	12	MCG/KG	MC F: 24-25 7/
2-HEXANONE	SW-846 METHOD 8240	· ND	12	MCG/KG	MC E: 24-25 7/
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	6	MCG/KG	MC E: 24-25 7/
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	12	MCS/KG	MC F: 24-25 7/
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NYS DEC REGION 5 ROUTE 86			CTM PRO	JECT #: 92.	03349
	NY 12977				
THE DROOK	N1 127//		CTM Tag	k #: 920708	0
Attention: RICH WAGNET			J In las	K #: 720/08	bt
				-	
Purchase Order Number:	9104582/92111		CTM Sam	ple No: 920	7080 07
Date Sampled: 07/07/92	2 Time: 1:00 PM		Date Re	ceived: 07/	08/92
Sampled By : AMIRAULT			Collect	ion Method:	COMPOSITE
Sample Id: EPS-2 5-7 Location : CAMAROTAS C	T FANERS		Matrix:	SOIL	
COCACIDIT & CHIMICOTHO	-Ci-PHICAG				
Farameters and Standar	d Methodology Used	Results	PQL	Unit	Analyst Re
	(CONTINUED FROM PREVIOUS PAGE)				
2-BUTANONE (MEK)	SW-846 METHOD 8240	ND	12	MCG/KG	MC E: 24-25
% SOLIDS	CLP SOW 4/89	82		7.	EP 7/13
				Maria de la composición dela composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela composición del composición dela	
REMARKS:					
REMARKS:					

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER *** Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 08 Date Sampled: 07/07/92 Time: 1:15 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS 2 7.5-8 Matrix: SOIL Location : CAMARDTAS CLEANERS

Parameters and Standard Meth	nodology Used	Results	PQL	Unit	Analyst Re
SW-846 8240 VOLATILES		COMPLETED			MC E: 24-25
PURGE & TRAP EXTRACTION	SW-846 METHOD 50:30	COMPLETED			7/16
CHLOROMETHANE	SW-846 METHOD 8240	ND	11	MCS/KS	MC E: 24-25
VINYL CHLORIDE	SW-846 METHOD 8240	ND	11	MCS/KS	MC E: 24-25
BROMOMETHANE	SW-846 METHOD 8240	ND	11	MCG/KG	MC E: 24-25
CHLOROETHANE	SW-846 METHOD 8240	ND ~	11	MCS/KG	MC E: 24-25
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
METHYLENE CHLORIDE	SW-846 METHOD 8240	/ 37 /	5	MCS/KG	MC E: 24-25
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	ND /	5	MCG/KG	MC F: 24-25
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	1	5	MCG/KG	MC F: 24-25
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
CHLOROFORM	SW-846 METHOD 8240	ND	5	MCS/K6	MC F: 24-25
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND ND	5	MC6/K6	MC F: 24-25
BENZENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND ND	5	MCS/KG	MC E: 24-25
TRICHLOROETHENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
1,2-DICHLOROPROPANE	SN-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
TRANS-1, 3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
TOLUENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
1,1,2-TRICHLORDETHANE	SW-846 METHOD 8240	No.	5	MCG/KG	MC E: 24-25
TETRACHLOROETHENE	SW-846 METHOD 8240	27/	5	MCG/KG	MC E: 24-25
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
CHLOROBENZENE	SW-846 METHOD 8240	ND	5	MCG/KG	MC E: 24-25
ETHYLBENZENE	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25
BROMOFORM	SW-846 METHOD 8240	ND ND	5	MCG/KG	MC E: 24-25
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND O	5	MCG/KG	MC F: 24-25
STYRENE	SW-846 METHOD 8240		5	MCS/KS	MC F: 24-25
ACETONE	SW-846 METHOD 8240	17	11	MCG/KG	MC F: 24-75
CARBON DISULFIDE	SW-846 METHOD 8240	ND /	5		
VINYL ACETATE	SW-846 METHOD 8240	ND .		MCG/KG	MC F: 24-25
2-HEXANONE				MCG/KG	MC F: 24-25
XYLENE (TOTAL)	SW-846 METHOD 8240	· ND	11	MCS/KS	MC E: 24-25
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240 SW-846 METHOD 8240	ND ND	5	MCG/KG	MC F: 24-25

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NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 920708Q Attention: RICH WAGNER ----Purchase Order Number: 9104582/92111 CTM Sample No: 920708Q 08 Date Sampled: 07/07/92 Time: 1:15 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS 2 7.5-8 Matrix: SOIL Location : CAMAROTAS CLEANERS Parameters and Standard Methodology Used Results Unit Analyst Reference (CONTINUED FROM PREVIOUS PAGE) 2-BUTANONE (MEK) SW-846 METHOD 8240 ND MCG/KG MC E: 24-25 7/16 % SOLIDS CLP SOW 4/89 92 % EP 7/13 REMARKS: LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 09 Date Sampled: 07/07/92 Time: 2:15 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: CDMPOSITE Sample Id: EPS 3 0.5-2.5 Matrix: SOIL Location : CAMARDTAS CLEANERS

Parameters and Standard Meth	nodology Usad	Results	PQL	Unit	Analyst Re
SW-846 8240 VOLATILES		COMPLETED			MC E:34-35
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/20
CHLOROMETHANE	SW-846 METHOD 8240	ND	58	MCG/KG	MC E: 34-35
VINYL CHLORIDE	SW-846 METHOD 8240	ND	58	MCG/KG	MC E: 34-35
BROMOMETHANE	SW-846 METHOD 8240	ND	58	MCG/KG	MC E: 34-35
CHLOROETHANE	SW-846 METHOD 8240	ND (58	MC6/K6	MC E: 34-35
1,1-DICHLOROETHANE	SW-846 METHOD 8240	407 31	29	MCG/KG	MC E: 34-35
METHYLENE CHLORIDE	SW-846 METHOD 8240	/ 75 /	29	MCG/KG	MC F: 34-35
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	/ ND /	29	MCS/KS	MC F: 34-35
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	NO ON	29	MC6/K6	MC E: 34-35
1,1-DICHLORGETHENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
CHLOROFORM	SW-846 METHOD 8240	ND	29	MCB/KB	MC F: 34-35
1.1.1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	29	MCS/KG	MC E: 34-35
BENZENE	SW-846 METHOD 8240	ND .	29	MCG/KG	MC E: 34-35
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E:34-35
TRICHLOROETHENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC F: 34-35
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	29	MCS/KG	MC F: 34-35
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
TRANS-1, 3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
TOLUENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND)	29	MCS/KG	MC E: 34-35
TETRACHLOROETHENE	SW-846 METHOD 8240	530	29	MCG/KG	MC E: 34-35
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	/ ND /	29	MCG/KG	MC E: 34-35
CHLOROBENZENE	SW-846 METHOD 8240	NED	29	MCG/KG	MC E: 34-35
ETHYLBENZENE	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
BROMOFORM	SW-846 METHOD 8240	ND	29	MCS/K6	MC E: 34-35
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND _	29	MCG/KG	MC E: 34-35
STYRENE	SW-846 METHOD 8240	ME)	29	MCB/KB	MC F: 34-35
ACETONE	SW-846 METHOD 8240	// D /	58	MCG/KG	MC F: 34-35
CARBON DISULFIDE	SW-846 METHOD 8240	(ND	29	MCS/KS	MC E: 34-35
VINYL ACETATE	SW-846 METHOD 8240	ND .	58	MCG/KG	MC F: 34-35
2-HEXANONE	SW-846 METHOD 8240	· ND	58	MCS/KG	MC E: 34-35
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	29	MCG/KG	MC E: 34-35
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND	5B	MCG/KG	MC F: 34-35

(CONTINUES ON NEXT PAGE)

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 920708Q Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 920708Q 09 Date Sampled: 07/07/92 Time: 2:15 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS 3 0.5-2.5 Matrix: SOIL Location : CAMAROTAS CLEANERS Parameters and Standard Methodology Used Results Unit Analyst Reference (CONTINUED FROM PREVIOUS PAGE) 2-BUTANONE (MEK) SW-846 METHOD 8240 ND MCG/KG MC E:34-35 7/20 % SOLIDS CLP SOW 4/89 86 EP 7/13 REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

NYS DEC REGION 5	CTM PROJECT #: 92.03349
ROUTE 86	
RAY BROOK NY 12977	
	CTM Task #: 9207080
Attention: RICH WAGNER	
with the same of t	
Purchase Order Number: 9104582/92111	CTM Sample No: 9207080 10
Date Sampled: 07/07/92 Time: 2:20 PM	Date Received: 07/08/92
Sampled By : AMIRAULT	Collection Method: COMPOSITE
Sample Id: EPS 3 5-7	Matrix: SOIL
Location : CAMAROTAS CLEANERS	
Parameters and Standard Methodology Used	Results PQL Unit Analyst Re-

Parameters and Standard Met	hodology Used	Results	POL	Unit	Analyst Re-
SW-846 8240 VOLATILES		COMPLETED			MC E: 34-35 7
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/20
METHANOL EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/20
CHLOROMETHANE	SW-846 METHOD 8240	ND _	1.800	MCG/KG	MC E: 34-35 7
VINYL CHLORIDE	SW-846 METHOD 8240	MOD /	1,800	MC6/KG	MC E: 34-35 7
BROMOMETHANE	SW-846 METHOD 8240	/ D /	1,800	WC8/KB	MC E: 34-35 7
CHLOROETHANE	SW-846 METHOD 8240	ND	1.800	MCG/KG	MC E: 34-35 7
1,1-DICHLOROETHANE	SW-846 METHOD 8240		920	MC6/KG	MC F: 34-35 7
METHYLENE CHLORIDE	SW-846 METHOD 8240	2,300	920	MCG/KG	MC F: 34-35 7
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	/ ND /	920	MCS/KS	MC E:34-35 7
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	100	920	MCG/KG	MC E:34-35 7
1,1-DICHLOROETHENE	SW-846 METHOD 8240	ND	920	MCS/KG	MC F: 34-35 7
CHLOROFORM	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
1.1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
BENZENE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
1,2-DICHLOROETHANE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
TRICHLOROETHENE	SW-846 METHOD 8240	ND	920	MCG/KG	MC F: 34-35 7
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35.7
BROMODICHLOROMETHANE	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	920	MCG/KG	MC F: 34-35 7
TOLUENE	SW-846 METHOD 8240	ND	920	MCS/KS	MC E: 34-35 7
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND _	920	MCG/KG	MC E: 34-35 7
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	NB	920	MCG/KG	MC E: 34-35 7
TETRACHLOROETHENE	SW-846 METHOD 8240	9,700	920	MCG/KG	MC E: 34-35 7
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	ND /	920	MCG/KG	MC E: 34-35 7
CHLOROBENZENE	SW-846 METHOD 8240	MD	920	MCG/KG	MC F:34-35 7
ETHYLBENZENE	SW-846 METHOD 8240	ND	920	MCG/KB	MC E: 34-35.7
BROMOFORM	SW-846 METHOD 8240	ND	920	MCG/KG	MC E: 34-35 7
1,1,2,2-TETRACHLORDETHANE	SW-846 METHOD 8240	ND -	920	MCG/KG	MC F: 34-35 7
STYRENE	SW-846 METHOD 8240	10 1	920	MCS/KG	MC F: 34-35 7
ACETONE	SW-846 METHOD 8240	2,400	1,800	MCG/KG	MC E: 34-35 7
CARBON DISULFIDE	SW-846 METHOD 8240	ND /	920	MCG/KG	MC E:34-35 7
VINYL ACETATE	SW-846 METHOD 8240	NO	1,800	MCG/KG	MC E: 34-35 7
2-HEXANONE	SW-846 METHOD 8240	ND	1,800	MCG/KG	MC E: 34-35 7
XYLENE (TOTAL)	SW-846 METHOD 8240	ND	920	MCG/KG	MC F:34-35 7

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NYS DEC REGION 5 ROUTE 86				CIM PROJ	ECT #: 92.	03349
RAY BROOK NY 1297	77					
				CTM Task	#: 920708	9
Attention: RICH WAGNER				1		
					*sec.	
Purchase Order Number: 910458					le No: 920	
Date Sampled: 07/07/92 Time:	: 2:20 PM				eived: 07/	
Sampled By: AMIRAULT Sample Id: EPS 3 5-7					on Method:	COMPOSITE
Location : CAMAROTAS CLEANERS				Matrix:	SOIL	
COCATION . CHIPMOTHS CLERKERS	•					
Parameters and Standard Metho	odology Used		Results	PQL	Unit	Analyst Refer
	(CONTINUED FROM PREVIOUS PAGE)					
			1			
4-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240		2,200	1,800 /	MCG/KB	MC E: 34-35 7/2
2-BUTANONE (MEK)	SW-846 METHOD 8240		ND /	1,800/	MCG/KG	MC E: 34-35 7/2
% SOLIDS	CLP SOW 4/89	_	68	_/_	7.	EP 7/13
		-				
	· · · · · · · · · · · · · · · · · · ·		 			
		-				
		-				
REMARKS:						
NG/MINO:						
	17	GEND.	MG/KE=PPM MCE	/KE=PPR M	G/I-ODM M	CG/L=PPB, MCG/G=P

NYS DEC REGION 5 CTM PROJECT #: 92.03349 ROUTE 86 RAY BROOK NY 12977 CTM Task #: 9207080 Attention: RICH WAGNER Purchase Order Number: 9104582/92111 CTM Sample No: 9207080 11 Date Sampled: 07/07/92 Time: 2:50 PM Date Received: 07/08/92 Sampled By : AMIRAULT Collection Method: COMPOSITE Sample Id: EPS 3 10-11 Matrix: SOIL Location : CAMAROTAS CLEANERS

Parameters and Standard Meti	nodology Used	Results	PQL	Unit	Analyst Referenc
SW-846 8240 VOLATILES		COMPLETED			MC E: 34-35 7/20
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			7/20
CHLOROMETHANE	SW-846 METHOD 8240	ME!	14	MCG/KG	MC E: 34-35 7/20
VINYL CHLORIDE	SW-846 METHOD 8240	/ D /	14	MC6/KG	MC E: 34-35 7/20
BROMOMETHANE	SW-846 METHOD 8240	/ MD	14	MCG/KG	MC E: 34-35 7/20
CHLDROETHANE	SW-846 METHOD 8240	ND	14	MCG/KG	MC F: 34-35 7/20
1,1-DICHLOROETHANE	SW-846 METHOD 8240	ON I	7	MCG/KG	MC E: 34-35 7/20
METHYLENE CHLORIDE	SW-846 METHOD 8240	15	7	MC6/K6	MC F: 34-35 7/20
TRANS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	/ D /	7	MCG/KG	MC F:34-35 7/20
CIS 1,2-DICHLOROETHENE	SW-846 METHOD 8240	10 /	7	MCS/KS	MC E: 34-35 7/20
1,1-DICHLOROETHENE	SW-846 METHOD 8240	NO.	7	MCG/KG	MC E: 34-35 7/20
CHLOROFORM	SW-846 METHOD 8240	(D/)	7	MCG/KG	MC E:34-35 7/20
1.1,1-TRICHLOROETHANE	SW-846 METHOD 8240	ND	7	MCG/KG	MC E:34-35 7/20
CARBON TETRACHLORIDE	SW-846 METHOD 8240	ND	7	MCS/KG	MC E: 34-35 7/20
BENZENE	SW-846 METHOD 8240	ND	7	MCG/KG	MC E: 34-35 7/20
1,2-DICHLOROETHANE	SW-846 METHOD 8240	NET .	7	MCG/KG	MC E: 34-35 7/20
TRICHLOROETHENE	SW-846 METHOD 8240	/ D	7	MCG/KG	MC E:34-35 7/20
1,2-DICHLOROPROPANE	SW-846 METHOD 8240	(D)	7	MCB/KG	MC F: 34-35 7/20
BROMOD I CHLOROMETHANE	SW-846 METHOD 8240	MB	7	MCG/KG	MC E: 34-35 7/20
TRANS-1, 3-DICHLOROPROPENE	SW-846 METHOD 8240	ND	7	MC6/KG	MC E: 34-35 7/20
TOLUENE	SW-846 METHOD 8240	ND	7	MC6/KG	MC F: 34-35 7/20
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8240	ND _	7	MCG/KG	MC E:34-35 7/20
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8240	ND	7	MCG/KG	MC E: 34-35 7/20
TETRACHLOROETHENE	SW-846 METHOD 8240	120	7	MCG/KG	MC F: 34-35 7/20
DIBROMOCHLOROMETHANE	SW-846 METHOD 8240	(ND)	7	MCG/KG	MC E: 34-35 7/20
CHLOROBENZENE	SW-846 METHOD 8240	ND	7	MCG/KG	MC E: 34-35 7/20
ETHYLBENZENE	SW-846 METHOD 8240	ND	7	MCS/KG	MC F: 34-35 7/20
BROMOFORM	SW-846 METHOD 8240	ND	7	MCG/KG	MC F: 34-35 7/20
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8240	ND O	7	MCG/KG	MC E: 34-35, 7/20
STYRENE	SW-846 METHOD 8240	ND	7	MCG/KG	MC F: 34-35 7/20
ACETONE	SW-846 METHOD 8240	25	14	MCG/KG	MC F: 34-35 7/20
CARBON DISULFIDE	SW-846 METHOD 8240	ND /	7	MC6/KG	MC F: 34-35 7/20
VINYL ACETATE	SW-846 METHOD 8240	ND .	14	MC6/KG	MC F: 34-35 7/20
2-HEXANDNE	SW-846 METHOD 8240	ND	14	MCS/KS	MC F: 34-35 7/20
(YLENE (TOTAL)	SW-846 METHOD 8240	ND	7	MCG/KG	MC F: 34-35 7/20
-METHYL-2-PENTANONE (MIBK)	SW-846 METHOD 8240	ND ND	14	MCG/KG	MC F: 34-35 7/20

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NYS DEC REGION 5			CTM PRO	JECT #: 92.	03349		
ROUTE 86							
RAY BROOK NY	Y 12977						
Attention OTOU HACKED	CTM Task				Q		
Attention: RICH WAGNER							
Purchase Order Number:			CTM C		7000 44		
Date Sampled: 07/07/92	Time: 2:50 PM		Data Da	ple No: 920	7089 11		
Sampled By : AMIRAULT	TARCE ELOV III		Collect	ion Mathod:	COMPOSITE		
Sample Id: EPS 3 10-11			Collection Method: CDMPOSITE Matrix: SOIL				
Location : CAMAROTAS CL	EANERS						
Parameters and Standard	Methodology Used	Results	PQL	Unit	Analyst Refer		
	(CONTINUED FROM PREVIOUS PAGE)						
2-BUTANONE (MEK)	SW-846 METHOD 8240	ND	14	MCG/KG	MC E:34-35 7/2		
% SOLIDS	CLP SOW 4/89	70	17	7.	EP 7/13		
REMARKS:	Al	UTHORIZED FOR PELEASE:			SL.S		

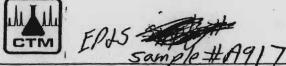
LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG

CTM Analytical Laboratories, Ltd.

CHAIN OF CUSTODY RECORD LABORATORY SERVICES

CTM TASK # 120+080

15 Ceritury Hill Drive P.O. Box 727 Latham, NY 12110 518-786-7100 FAX 518-786-7139



Spill No 9104582

rchase Order					Turnard	ound Tin	ne Rec	quest	ed′ \(\)	andard Th	4 <i>T</i>		
						Sam	ole Typ	90					
CTM LAB ID	Sam	Sample 1D/Description		Date Sample 107/Description Sample	Date Sampled	Time A = a.m. P = p.m.	Matrix	C O M P	G R A B	# of Con- tainers	Preservative (list by # from list below)	An	nalysis Required
Ob	TFH26.	Drum Samp)		7/7/92	4:30 pm	Soil	X		25-11 VOAS		EPA	8240 LTPH	
06	(FH27	Drun Sama	12		4:20 pm		X		2 VUAS			+ TPH	
$(2)_{+}$	EPS-1,	Cuttings 0'-	4'		10:50 A				2 VOAS				
Q.	EPS-1	5-7'			11:00 A				1.5 50A				
	EPS-1.	10-10.2			11:10 A				0.5 Vag				
00	EPS-2.	0-2	;		12:450				2 VOA				
()+	EPS- 2,	5-7			1:00 4				2 VOA		25000		
7	EPS-2.	7.5-8			1:150				1 WOA				
P	EPS-3.	0.5-2.5			2:150				2 U0A	The state of the s		Lancer and the same	
10	EPS-3	5-7		WAS EVENUE A	2:20				2 50A		W	/	
sampled by:	(signature) PPS-3 10-1	Date/Time	Received by:		2.50 Date	Time			I VOH		V		
Relinquished by: (signature) Received by Received by		: (signature)	:4.5 pr.7/4/4	12	1. HCl 6. Ascorbic 2. HNO ₃ 7. H ₂ SO ₄ 3. NaOH 8. F (Filtered)			orbic O ₄	1. Sample Condition 1. Samples intact? 2. Custody seals intact?				
		Laboratory b			4. NaS ₂ O ₃ Zn Acet		9. N (not preserved		3. Preserved properly? \(\) 4. Ambient of chilled? 5. C.O.C. received with \(\) 5 samples?				