

# FINAL REMEDIAL REPORT

N.Y.S. Superfund Standby Contract Work Assignment #D002852-13 Roxy Cleaners Remedial Construction Oversight, Site #4-42-024

New York State Department of Environmental Conservation Bureau of Construction Services Division of Environmental Remediation

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January 1998 0266321

# **TABLE OF CONTENTS**

		Page
1.0	INTE	RODUCTION 1-1
1.0	1.1	Purpose
	1.1	Site Description
	1.3	Site History
2.0	CON	STRUCTION ACTIVITIES 2-1
	2.1	Advertisement and Award of Contract 2-1
	2.2	Pre-Construction Activities
	2.3	Construction Activities 2-2
		2.3.1 Introduction
		2.3.2 Steel Casing under Route 66
		2.3.3 Recovery Well Water Lines
		2.3.4 Treated Water Drain Line
		2.3.5 Treatment Building and Foundation 2-4
		2.3.6 Treatment System
		2.3.7 Recovery Well Pumps
	2.4	Facility Testing and Start-up
	<b>.</b> .	2.4.1 Pipeline Testing
		2.4.2 Treatment System Testing
3.0	СНА	NGE ORDERS 3-1
4.0	ENG	INEERS CERTIFICATION STATEMENT 4-1
		LIST OF APPENDICES
Ann	endix	Description
Whh	CHUIX	Description
A	4	Change Order No. 1
F	3	Treatment System Laboratory Test Results
(		Record Drawings
I	)	Bid Tabulation

# 1.0 INTRODUCTION

# 1.1 PURPOSE

The Roxy Cleaners Site is located in the hamlet of Wynantskill in the Town of North Greenbush, Rensselaer County, New York, on the north side of NYS Route 66 approximately 150 feet west of its intersection with NYS Route 150. The New York State Department of Environmental (NYSDEC) lists this site as a State Superfund Site, No. 4-42-024, and has recently completed construction of a groundwater recovery and treatment system at this location. This report describes the construction project, summarizes the results of testing during startup of the facilities and provides a certification of the work.

#### 1.2 SITE DESCRIPTION

The area surrounding the Roxy Cleaners Site may be characterized as mixed, commercial and residential with most of the commercial establishments located adjacent to Route 66 and single-family residential properties abutting the rear lot lines of the commercial properties. The immediate site area contains a single-story building, approximately 75 feet by 60 feet in size, which housed the Roxy Cleaners, a commercial laundry and dry cleaning business. This building fronts on Route 66. Immediately west of this building is a small restaurant, the "50's Cafe." A groundwater treatment building, constructed as part of this project, is located to the north of the former Roxy Cleaners building and east of Orchard Terrace. Residential structures are located to the north and east of this treatment building.

Two, groundwater recovery wells (RW-1 and RW-2) are located between the Roxy Cleaners building and the 50's Cafe. A third well, RW-3, is located on the south side of Route 66 approximately 750 feet west of the Roxy Cleaners building. Record drawings of these facilities are included in Appendix C.

#### 1.3 SITE HISTORY

From 1959 through 1988, Roxy Cleaners, Inc. operated a dry cleaning establishment at this site and, allegedly, spilled or otherwise lost dry cleaning solvents which resulted in contamination of the site's soil and groundwater. In 1990, the NYSDEC, under the State Superfund Program, initiated a Remedial Investigation/Feasibility (RI/FS) Study of the site to define the nature and extent of contamination. The RI/FS documented the presence of a plume of contaminated groundwater extending from the Roxy building toward the south and west. The principle contaminants were found to be perchlorethylene, trichlorethylene and dichlorethylene.

In January, 1992, a vacuum extraction system was installed at the site as an interim remedial measure. **Approximately 350 pounds of perchloroethylene were extracted from the** soil above the groundwater using this system. In November, 1992, the RI/FS was completed, and in March, 1994, the Record of Decision was issued for the site.

The Record of Decision called for, among other measures, the collection and treatment of contaminated groundwater and the discharge of the treated water to the Wynantskill Creek. The collection and treatment system was designed by Malcolm Pirnie during late 1994 and early 1995, and construction documents for the proposed facilities were approved by NYSDEC on March 31, 1995. Construction of the groundwater recovery and treatment system began in September, 1996, and the system was started up in April, 1997. The project was determined to be substantially complete on April 25, 1997, and a notice of final completion was issued for May 26, 1997.

The remedial construction project included the following work:

- The installation of well pumps in three, existing groundwater recovery wells and the construction of small diameter pipe lines from these wells to the treatment plant.
- The construction of a prefabricated building to house treatment equipment.
- The installation and testing of water treatment equipment consisting of an air stripper, piping and controls to remove volatile organic contaminants from the groundwater, granular activated carbon treatment units to remove vapor phase volatile organic contaminants stripped from the groundwater, and provide a calliquid phase granular activated carbon treatment units to the

process train in the event semi-volatile contaminates are found in the ground water captured by the recovery wells.

A treated water discharge pipeline from the treatment building to an existing storm sewer which discharges to the Wynantskill.

# 2.0 CONSTRUCTION ACTIVITIES

#### 2.1 ADVERTISEMENT AND AWARD OF CONTRACT

The NYSDEC advertised the contract for bids on December 15, 1995, and bids were opened January 16,1996. A total of 15 bidders responded. The bid tabulation is included as Appendix D. The low bidder was Environmental Waste Technology, Inc. (EWT) of Newton Upper Falls, Massachusetts. The bid prices ranged from \$169,572 to \$639,500.

The construction contract was awarded to Environmental Waste Technology, Inc. (Contractor) in June, 1996, after receipt and approval of their Health and Safety Plan, Work Plan, QA/QC Plan, Sampling Protocol Plan and proposed schedule. The NYSDEC issued a notice to proceed to EWT on August 5, 1996. This established the date for substantial completion of the work as February 25, 1997.

Malcolm Pirnie, Inc. (Malcolm Pirnie) of Albany, NY was assigned the task of construction oversight for the project under a New York State Superfund Standby Contract between the NYSDEC and that firm.

### 2.2 PRE-CONSTRUCTION ACTIVITIES

A Pre-Construction Meeting was held on July 31, 1996 at the North Greenbush Town Hall with the Contractor and representatives from the Town, the NYSDEC, the New York State Department of Transportation (NYSDOT), and Malcolm Pirnie. At the meeting, administrative, health and safety and project-specific issues were discussed. Mr. Steve Chandler, EWT Project Manager, stated an alternate treatment system manufactured by Geopure would be submitted for approval.

Information submitted to the NYSDEC by the Contractor before award of the contract indicated that confident tree type stripper system would be submitted for approval rather confused bubble stripper as specific in the big documents. This substitution of a major piece of treatment process equipment was acceptable to the NYSDEC and to Malcolm Pirnie as long as the Contractor agreed to take responsibility for meeting the

treatment requirements specified in the contract documents and for any costs related to changes in electrical power requirements, alarms, treatment building floor plan and piping layout, etc. As a result, the shallow tray stripper system was successfully installed and tested by the Contractor.

### 2.3 CONSTRUCTION ACTIVITIES

#### 2.3.1 Introduction

Prior to the commencement of actual construction, site meetings were held on August 23, 1996, September 6, 1996, and September 16, 1996. On September 6, 1996, staff from EWT, NYSDEC, Malcolm Pirnie, List Construction, and Fraser and Associates met at the site to discuss and resolve potential conflicts between the work by EWT and the construction of public water mains in the area by List Construction. The design of the water mains by Fraser and Associates, a related part of the remedial action taken by the NYSDEC at the Roxy Site, did not take into account the proposed locations for the groundwater recovery system water lines, and some conflicts were found to exist between pipe locations in the two system. These conflicts were resolved by minor realignments of proposed pipes.

At the site meeting of September 16, 1996, EWT introduced a subcontractor, Precision Industrial Maintenance Inc., to representatives of Malcolm Pirnie and M.J. Engineering, Inc., who provided on-site inspection services to the project. Construction began during the week of September 23, 1997, with excavation for the treatment building foundation and the installation of the sleeve under Route 66 to carry the water line from RW-3 to the treatment system.

# 2.3.2 Steel Casing Under Route 66

Hebron Valley Boring, a subcontractor to EWT, installed the 6-inch diameter, steel casing under the state highway by augering and jacking during the period September 23 to October 3, 1996. During excavation of the jacking pit on the south side of Route 66, the subcontractor encountered large pieces of concrete, tree trunks, stumps and other debris which had apparently been used as fill in this area. Sections of concrete slabs, some as large

as 8 feet by 10 feet and 6 to 8 inches thick, were encountered and had to be broken up for removal. Although some obstructions were encountered during the jacking and augering operation, the installation of the sleeve proceeded without major difficulty until a point just short of the northerly shoulder of the highway. At this point, the Contractor excavated a gas main known to be in this location and found that it was in conflict with the top of the sleeve. It was noted at this time that the sleeve was approximately 8-inches higher in elevation than originally designed and that it had probably been forced off its design grade by boulders and/or debris encountered during the boring. The depth of the sleeve was determined to be adequate to protect the carrier pipe against freezing and could be terminated short of its target length and still satisfy the NYSDOT's requirements. The conflict with the gas main was resolved, by Niagara Mohawk Power Corporation, by raising the elevation of the gas main slightly to allow the sleeve to pass under it. The total length of the 6-inch diameter steel cashes installed under the highway is 82.5 linear feet.

# 2.3.3 Recovery Well Water Lines

Installation of the water lines and electrical conduits from the three recovery wells to the treatment building was done by Precision Industrial. This work, plus the installation of the 6-inch diameter gravity drainage pipe from the treatment building to a storm sewer on the north side of NYS Route 66, was completed by the end of the first week of December. A total of 198 linear feet of 1-inch diameter and 980 linear feet of 1.5-inch diameter water line pipe was installed and tested. Two air relief structures were installed at high points along the 1.5-inch diameter water line pipe.

#### 2.3.4 Treated Water Drain Line

During the installation of a 6-inch diameter, ductile iron pipe discharge line to convey treated water from the treatment system to a NYSDOT storm drain adjacent to Route 66, an improperly charted gas line was encountered in conflict with the discharge line. A crew from the Niagara Mohawk Power Company relocated this line slightly to allow the drain line to pass over it. A total of 209 linear feet of 6-inch diameter DIP discharge line and two manholes were installed.

# 2.3.5 Treatment Building and Foundation

The foundation slab for the treatment building was also constructed by Precision Industrial under its subcontract with EWT. Prior to pouring the concrete slab, an issue arose regarding the necessity of installing reinforcing steel in a 6-inch high curb under the building walls. This curb was added by an addendum to the bid documents, and no drawing was supplied to show the placement of reinforcing steel. Malcolm Pirnie supplied sketches for the installation of the reinforcing and the foundation slab was completed by the end of the first week of December, 1996.

The prefabricated, fibreglass reinforced plastic building to house the treatment equipment was erected on the foundation slab by EWT between December 16 and December 19, 1996. The installation of electric power and alarm circuits for the well pumps and building was accomplished by M. Gold and Son, electrical contractors, under a subcontract with EWT.

# 2.3.6 Treatment System

The groundwater treatment equipment was delivered to the site on February 21, 1997 and installed over the following three weeks. This equipment consists of a shallow tray air stripper supplied by Geopure, Inc. of Gainesville, FL. The equipment was assembled and tested by Geopure at their facility, dismantled, shipped and reassembled at the project site by Geopure technicians and EWT.

As has been noted above, the design and bid documents for the project were based on a diffused bubble type stripper rather than a shallow tray system. The construction contract documents provided for the use of substitute, "or equal" equipment. EWT announced its intention of furnishing a shallow tray type stripper system prior to award of the contract and, although a number of changes to the layout of the treatment building were required, this substitution was accepted by the NYSDEC and Malcolm Pirnie, Inc. with the stipulation that the Contractor had to accept any additional costs and risks which might be associated with the change in equipment.

# 2.3.7 Recovery Well Pumps

In attempting to test the stripper and system alarms and controls prior to shipping the equipment to the construction site, Geopure, Inc. encountered a problem with the well pumps purchased for the project. The well pumps specified for the project were submersible pumps with ceramic impellers and variable speed motors. The pumps were supplied by Gould Pump Company of Seneca Falls, NY and shipped, at the Contractor's request, to the Geopure manufacturing facility in Florida. According to the Contractor, at least one of the pumps arrived with a damaged impeller. Attempts to replace the impeller were unsuccessful as each replacement unit failed when the pump was operated. Discussions between the pump manufacturer and Malcolm Pirnie revealed that these pumps were susceptible to impeller breakage during shipment unless handled very carefully. The manufacturer offered to replace the impellers using factory-trained staff, repackage and ship the pumps to the job site and have them installed in the wells by a trained technician to avoid any further problems. This was not acceptable to the Contractor who wanted the total system, including the pumps. tested by the stripper manufacturer before any of the equipment was delivered to the job size. After much discussion and a review of the probable service conditions under which the pumps would operate, it was decided that alternative pumps with a stainless steel impellers, manufactured by Grundfos Pump Corporation would be acceptable. These pumps utilize the same motors and valuable word controllers as originally furnished by Gould Pump Company for use with the Gould pumps and have very similar characteristic curves. Accordingly, the Grundfos pumps were furnished and installed.

#### 2.4 FACILITY TESTING AND START-UP

#### 2.4.1 Pipeline Testing

All piping systems were tested in accordance with the contract documents and accepted on the basis of these tests. On January 6, 1997, the 6-inch diameter, gravity discharge piping from the treatment building to the storm drainage structure near NYS Route 66 was pressure tested at 5 pounds per square inch and held this pressure for the required time with no loss of pressure. An initial test of the pipelines from wells RW-1 and

RW-2 to the treatment building, conducted on January 7, 1997, failed due to a damaged pressure fitting. After replacing the fitting, testing of these pipelines was successfully completed on January 8, 1997. These pipelines were tested at a pressure of 100 psi with no loss of pressure for two hours. On January 9, 1997, the pipeline from RW-3 to the treatment building, including all piping through the air relief structures and that within the building prior to the stripper, was tested at 100 psi for 2.5 hours with no loss of pressure.

# 2.4.2 Treatment System Testing

The treatment equipment was tested at the site using a mixture of water and perchlorethylene in accordance with the contract documents. The contract requires that the air stripper lower the concentration of perchlorethylene from 1,750 parts per billion (ppb) in the influent to 5 ppb in the effluent. The track of the Roxe Cleaners site.

The first test of the system was conducted on March 18, 1997. During this initial test of the stripper's ability to remove perchlorethylene, samples were collected and sent to Toxikon Corp's. laboratory in Bedford, MA. The analytical results indicated that the test solution had not been mixed adequately and the concentration of perchlorethylene in the influent to the stripper varied widely. Therefore, the results of this test were rejected.

On March 28, 1997, a second test was conducted. To be sure that the test solution was homogeneous, the test solution was made up by mixing small amounts of perchlorethylene with solution water in a 55-gallon drum, stirring the contents to ensure that all the chemical was dissolved, and then transferring this solution to the 5,000-gallon solution tank. Water was added to the 5,000-gallon tank to make up the correct concentration of perchlorethylene, and the tank contents were mixed for approximately two hours following addition of the smaller solutions of perchlorethylene using three submersible pumps installed in the tank. These pumps were kept running throughout the test period to keep the solution mixed. A fourth pump was used to deliver the test solution to the stripper at a constant rate of 21.5 gallons per minute (gpm). Treated water was collected and stored in a second, 5,000-gallon tank, tested to show that it met the effluent limitations, and discharged to the site effluent sewer.

One sample of the influent to the stripper was collected at the start of the test. Three samples of the effluent were collected at approximate two-hour intervals. The temperature of the test solution was monitored during the test as was the flow rate through the stripper. The results of the second test are included below.

# RESULTS OF STRIPPER TEST (Analysis by Toxikon Corp., Bedford, MA) March 28, 1997

Time	Influent Temperature	Influent PCE Conc.	Effluent PCE Conc.
12:15	46.5 degrees F	2,100 ppb	
13:20	48 degrees F		less than 2.0 ppb
14:40	49 degrees F		less than 2.0 ppb
16:00	50 degrees F		less than 2.0 ppb

As noted in the table, the concentration of perchlorethylene in the effluent from the stripper was consistently below the 5.0 ppb specified in the construction contract documents. Furthermore, the laboratory results for the influent PCE concentration were reported at 2,100 ppb, somewhat higher than the 1,750 ppb called for in the contract documents. This indicates that the system meets or exceeds the treatment requirements specified in the design.

On April 4, 1997, following receipt of draft laboratory results from the testing conducted on March 28, 1997, the well pumps and stripper system were started up and the pumping rates adjusted as follows: RW-1, 0.5 gpm; RW-2, 5 gpm; RW-3, 12.5 gpm. Treated water was collected and pumped into a 5,000-gallon storage tank. Approximately 45 minutes after starting the system, samples were collected from the treated water storage tank and delivered to the laboratory for analysis of volatile organics and other parameters for which NYSDEC had established discharge limits. The temperature of the well water was noted to be 48 degrees F during this test, which is in the same range as the temperature of the synthetic wastewater used for the test on March 28, 1997. The system operated for approximately 4.5 hours and was shut down when the 5,000-gallon storage tank was approaching full capacity.

When adjusting the recovery well pump flow rates, it was discovered that the maximum output obtainable from RW-3 was only 12.5 gpm. Inasmuch as the design output

from this well was 16 gpm, an investigation into the cause of the low output was conducted. The result of this investigation showed that the pumps designed for RW-3 and RW-1 had been switched during installation, and these pumps were subsequently removed and placed in their proper locations. It was also learned that well RW-1 could not sustain a yield of 0.5 gpm and that the pump in this well shut down periodically at low water level and restarted upon recovery of the water level in the well.

The laboratory results for the samples collected on April 4, 1997 showed that the stripper effluent met all NYSDEC discharge limits. Concentrations of volatile organic compounds were all below the laboratory detection limits while lead and iron, total suspended solids and total dissolved solids were all well under the discharge limitation.

On April 11, 1997, after receiving draft information from the laboratory on the April 4, 1997 test results, the system was restarted for a 14-day acceptance testing period. The recovery well pumping rates were adjusted to the design rates of 0.5 gpm for RW-1, 5.0 gpm for RW-2, and 16.0 gpm for RW-3, and all treated water was discharged directly to the site effluent sewer.

Samples were collected in accordance with NYSDEC monitoring requirements on April 16, 1997 and April 23, 1997, and the system was monitored on a frequent basis for mechanical or other problems. A "punch list" of outstanding work items required to be completed prior to final acceptance of the project was prepared and delivered to the Contractor on April 17, 1997. No significant problems were identified during this test period, and the Contractor was issued a Certificate of Substantial Completion for the project effective April 25, 1997. The results of the sampling conducted on April 4, 1997 and during the 14-day test period are summarized in Appendix B and show that the system met all the NYSDEC discharge limitations established for this project.

During the period from April 25 to July, while the Contractor was addressing outstanding work items, the system remained operational. An additional 10 weekly effluent monitoring samples were collected by Malcolm Pirnie and M.J. Engineering staff and delivered to the New York State Department of Health Laboratories for analysis. The results of these samples are summarized in Appendix B and show that the system continues to meet

discharge requirements.	Following this	10-week effort,	effluent monitoring	became the
responsibility of the NYS	DEC Operations	and Maintenand	ce Section.	
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## 3.0 CHANGE ORDERS

Change Order No. 1 covered additions and deletions from the contract and included the following subitems:

- Additional costs incurred to remove and dispose of large pieces of construction and demolition debris from the boring pit and a portion of the pipe trench on the Mulson property south of NYS Route.
- Additional costs incurred due to the presence of a gas main which was incorrectly shown on the construction drawing and which interfered with the installation of the 6-inch diameter drain pipe from the treatment process.
- Additional costs incurred in filling an abandoned vault encountered along the water main route in Dino's Restaurant parking lot.
- Additional costs incurred due to the presence of unmarked potable water well lines in the vicinity of the RW-1 and RW-2 water line routes and additional costs incurred in investigating and attempting to resolve water flow problems in the 50's Cafe.
- Additional paving provided to fill a depression in Mulson's parking lot.
- Additional costs incurred in moving a gas main in the Route 66 casing receiving pit and repaying the area.
- Additional costs incurred to provide curbing rebar for the treatment building foundation.
- Additional costs incurred to install four pressure gages to determine head losses across the cartridge filters.
- Additional costs incurred to upgrade the treatment building power panel to NEMA 12 specifications.
- Additions and reductions in the final contract price due to differences between the estimated quantities and final quantities calculated for unit price bid items.
- An 84 day contract time extension from the Contract Substantial Completion Date to the actual Substantial Completion Date of April 25, 1997.

A copy of the change order document is included in Appendix A.

# 4.0 ENGINEERS CERTIFICATION STATEMENT

Malcolm Pirnie personnel and subconsultants under Malcolm Pirnie's direction have inspected the construction of the Roxy Cleaners Groundwater Remediation System. The construction at the site was completed in substantial conformance with the construction contract documents approved by NYSDEC.

# **Contract Documents**

- Contract No. 1, Roxy Cleaners Groundwater Remediation, NYSDEC Site No. 442024, Town of North Greenbush, New York, March, 1995.
- 2. Change Order No. 1.
- 3. Approved Shop Drawings.

Date: 1/6/98

Malcolm Pirnie, Inc.

APPENDIX A

Change Order No. 1

# APPENDIX B

Treatment System Laboratory Test Results

NYSDEC SUPERFUND STANDBY CONTRACT ROXY CLEANERS SITE, WYNANTSKILL, NY

#### SUMMARY OF SAMPLING AND ANALYSIS

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1	TOXICON	EWT/CUNLIFFE		9703356	18-Mar-97	2	0	0	0	3	0	5	Ō	0	0	Synthetic Test #1 (Royal July)
2	TOXICON	EWT/CUNLIFFE	10-Apr-97	9703524	28-Mar-97	0	0	0	1	3		4	0	0	o	Synthetic Test #2
3	TOXICON	EWT/CUNLIFFE	23-Apr-97	9704075	4-Apr-97		1	0	0	1	1	1	1	1	1	Well Test/Tank Dump/SPDES
4	TOXICON	EWT/CUNLIFFE	7-May-97	9704314	16-Apr-97	0	0	0	0	1	] 0	0	1	1	1	SPDES - 1
5	TOXICON	EWT/CHANDLER	15-May-97	9704452	23-Apr-97	1	1	1 1	J o	1	0	0	4	1	1 1	SPDES - 2
6	START OF	14 DAY TEST RUN	- 11-Apr-97		·	1	1	1	ļ				1			1
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11	NYSDOH	MJE/BOWMAN	ĺ		5/20/97	l	ļ			ļ	1 1		]		Ì	SPDES -5
12	NYSDOH	MJE/BOWMAN			5/27/97		1	ļ	1					l		SPDES -6
13	NYSDOH	MPI/MALCOLM	ļ		6/3/97	ł			]	ļ	1				l	SPDES -7
14	NYSDOH	MPI/MALCOLM			6/10/97		l			ľ			ł			SPDES -8
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WORK ORDER #: 17 - (1/2 - 1) - 1

ROXY CIEANERS SITE, WYNANTSKILL, NY DUE DATE

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RELINQU	JISHED BY:		DATE:	-		•		EIVED F	OR LAB BY:		ATE:	-		•		Are th	ibie a	ny oth	er kno	MU OL	suspe	cted Hu
METHOS	000000000000000000000000000000000000000		IME:	-		-			ADED ATURE	TI	ME:			•		conta	minan	ts in th	nese s	sample	s othe	er than [ wrot]
METHOL	OF SHIPMENT	<b>'</b>					1000		MPERATURE							Yes _	1315M	10	_ If Ye	es, 1st	Know	n cted by the chip

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory	Ī		Analyt	ical Require	ements	
Sample	Sample	*VOA	*BNA	*VOA	*Pest	*Metals	*Other
Code	Code	GC/MS	GC/MS	GC	PCBs		
		Method	Method	Method	Method		
		#	#	#	#	1	
INF7827-4	9703524.01	8240					
EFF7827-4	9703524.02	8240				ļ	<del></del>
EFF7827-5	9703524.03	8240					
EFF7827-6	9703524.04	8240					<del></del> -
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# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANAYLYSES

Laboratory		Date	Date Rec'd	Date	Date
Sample ID	Matrix	Collected	at Lab	Extracted	Analyzed
9703524.01	WATER	3/28/97	3/31/97		4/3/97
9703524.02	WATER	3/28/97	3/31/97		4/3/97
9703524.03	WATER	3/28/97	3/31/97	<u> </u>	4/3/97
9703524.04	WATER	3/28/97	3/31/97	<u> </u>	4/3/97
					-
				<u> </u>	
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EPA SAMPLE NO.

INF7827-4

-	Lab Name:	Toxikon	Corp.			Contract:			
	Lab Code:	TOXIKO	N	Case No.:		SAS No.:	_ SDG	G No.: 2	
	Matrix: (soil/v	water)	WATE	R		Lab Sample	ID: 9	703524.01	_
	Sample wt/vo	ol:	5.0	(g/ml)	ML	Lab File ID:	<u> </u>	§1685.D	_
	Level: (low/r	med)	LOW			Date Receiv	red: <u>0</u>	3/31/97	_
	% Moisture:	not dec.				Date Analyz	ed: 0	04/03/97	_
	GC Column:	624	ID:	<u>0.20</u> (m	m)	Dilution Fac	tor: <u>1</u>	.0	_
	Soil Extract \	Volume:		(uL)		Soil Aliquot	Volum	e:	_ (uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	A Company of the Comp	50	-
75-15-0	Cabor Disultide so, in access the	4	*
75-09-2	MGRap a relication	2	سال
75-35-4	1,1-Dichlöroetnene	10	ď
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
108-05-4	Vinyl Acetate	10	U
78-93-3	2-64-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	62	<u> </u>
	cis-1,2-Dichloroethene	10	U
67-66-3	Charles	5.	. J 🚜
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
110-75-8	2-Chloroethylvinyl ether	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	10	_ U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	Ū
124-48-1	Dibromochloromethane	10	U
591-78-6	2-Hexanone	10	U
79-34-5	1,1,2,2-tetrachloroethane	10	U
127-18-4	Tetrachloroethene	2100	E/
108-90-7	Chlorobenzene	10	U_
100-41-4	Ethylbenzene	10	U_
1330-20-7	m & p Xylenes	10	U
1330-20-7	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U

EPA SAMPLE NO.

Lab Name:	Toxikor	Corp.			Contract:		INF7	827-4	
Lab Code:	TOXIKO	ON_	Case No.:		SAS No	o.: S	DG No.: 2		
Matrix: (soil/	water)	WATE	R		La	b Sample ID:	9703524.0	1	
Sample wt/v	ol:	5.0	(g/ml)	ML	La	b File ID:	G1685.D		
Level: (low/	med)	LOW			Da	ate Received:	03/31/97		
% Moisture:	not dec.				Da	ate Analyzed:	04/03/97		
GC Column:	624	{D:	<u>0.20</u> (m	nm)	Di	lution Factor:	1.0		
Soil Extract	Volume:		(uL)		So	oil Aliquot Volu	me:		(uL)
					CONCENTRA	TION UNITS:			
CAS NO	O.	CO	MPOUND		(ug/L or ug/Kg)	) <u>UG/L</u>		Q	
95-50	 -1	1,	2-Dichlorob	 enzer			10	U	

EPA SAMPLE NO.

INF7827-4DL

•	Lab Name:	Toxikon	Corp.		Contract:	1117027-40	
	Lab Code:	TOXIKO	ON Cas	se No.:	SAS No.: SD	G No.: 2	
	Matrix: (soil/	water)	WATER	_	Lab Sample ID:	9703524.01DL	
	Sample wt/vo	ol:	0.1	(g/ml) ML	Lab File ID:	G1693.D	
	Level: (low/r	ned)	LOW	_	Date Received: (	D <b>3</b> /31/97	
	% Moisture:	not dec.			Date Analyzed: (	04/03/97	
•	GC Column:	624	ID: <u>0.2</u>	20 (m <b>m</b> )	Dilution Factor:	1.0	
-	Soil Extract \	√olume:	<u> </u>	_ (uL)	Soil Aliquot Volum	ne:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
7 <b>4-</b> 87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	Ū
67-64-1	Acetone	520	ار اور ل
75-15-0	Carbon Disulfide	1000	Ú
75-09-2	Methylene Chloride	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	Ū
108-05-4	Vinyl Acetate	1000	U
78-93-3	2-Butanone	1000	U
· <u>···</u> -	cis-1,2-Dichloroethene	1000	Ū
67-66-3	Chloroform	1000	U
107-06-2	1,2-Dichloroethane	1000	U
71-55-6	1,1,1-Trichloroethane	1000	Ū
56-23-5	Carbon Tetrachloride	1000	Ū
71-43-2	Benzene	1000	U
79-01-6	Trichloroethene	1000	<u>U</u>
78-87-5	1,2-Dichloropropane	1000	Ū
75-27-4	Bromodichloromethane		U
110-75-8	2-Chloroethylvinyl ether	1000	<u>_</u>
108-10-1	4-Methyl-2-Pentanone	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-88-3	Toluene	1000	
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
124-48-1	Dibromochloromethane	1000	U
591-78-6	2-Hexanone	1000	Ū
79-34-5	1,1,2,2-tetrachloroethane	1000	U
127-18-4	Tetrachicroethene		. /
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	m & p Xylenes	1000	U
1330-20-7	o-Xylene	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U

EPA SAMPLE NO.

INF7827-4DL Lab Name: Toxikon Corp. Contract: Case No.: \_\_\_\_\_ TOXIKON SAS No.: SDG No.: 2 Lab Code: Matrix: (soil/water) WATER Lab Sample ID: 9703524.01DL 0.1 (g/ml) <u>M</u>L Sample wt/vol: Lab File ID: G1693.D LOW Level: (low/med) Date Received: 03/31/97 % Moisture: not dec. Date Analyzed: 04/03/97 GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0 Soil Extract Volume: \_\_\_\_ (uL) Soil Aliquot Volume: (uL) **CONCENTRATION UNITS:** CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 95-50-1 1,2-Dichlorobenzene 1000

EPA SAMPLE NO.

EFF7827-4

•	Lab Name:	Toxikon	Corp.			_ Contra	act:			
	Lab Code:	TOXIKO	<u>N</u>	Case N	o.:	_ SAS	S No.:	SDG	8 No.: 2	
-	Matrix: (soil/v	water)	WATE	R			Lab Sample I	D: <u>97</u>	703524.02	_
	Sample wt/vo	ol:	5.0	(g/	mi) <u>ML</u>		Lab File ID:	G	1688.D	_
_	Level: (low/r	ned)	LOW				Date Receive	ed: <u>03</u>	3/31/97	_
	% Moisture:	not dec.			_		Date Analyze	d: <u>04</u>	1/03/97	_
	GC Column:	624	ID:	0.20	(mm)		Dilution Facto	or: <u>1.</u>	0	_
	Soil Extract \	/olume:		(u	L)		Soil Aliquot V	olume	<b>:</b>	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
67-64-1	Acetone	67.314 / gev	8	بلد
75-15-0	Carbon Disulfide	)	10	U
75-09-2	Methylene Chlor	ide	2	J
75-35-4	1,1-Dichioroethe		10	U
75-34-3	1,1-Dichloroetha		10	Ü
156-60-5	trans-1,2-Dichlor		10	U
108-05-4	Vinyl Acetate		10	U
78-93-3	2-Butanone		10	U
	cis-1,2-Dichloroe	ethene	10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroetha		10	Ū
71-55-6	1,1,1-Trichloroet		10	Ü
56-23-5	Carbon Tetrachl		10	U
71-43-2	Benzene		10	Ū
79-01-6	Trichloroethene		10	U
78-87-5	1,2-Dichloroprop	pane	10	Ū
75-27-4	Bromodichlorom		10	U
110-75-8	2-Chloroethylvin	yl ether	10	U
108-10-1	4-Methyl-2-Pent	anone	10	U
10061-01-5	cis-1,3-Dichloror	propene	10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichlor	ropropene	10	U
79-00-5	1,1,2-Trichloroet	hane	10	Ū
124-48-1	Dibromochlorom	ethane	10	U
591-78-6	2-Hexanone		10	U
79-34-5	1,1,2,2-tetrachlo	roethane	10	U
127-18-4	Tetrachloroether	<u>16 </u>	1	J
<u> 108-90-7</u>	Chlorobenzene	<u> </u>	10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	m & p Xylenes		10	U
1330-20-7	o-Xylene		10	U
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
541-73-1	1,3-Dichlorobena		10	U
106-46-7	1,4-Dichloroben	zene	10	U

#### 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET EFF7827-4 \_\_\_\_ Contract: Lab Name: Toxikon Corp. Case No.: SAS No.: SDG No.: 2 Lab Code: TOXIKON Matrix: (soil/water) WATER Lab Sample ID: 9703524.02 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G1688.D Level: (low/med) LOW Date Received: 03/31/97 % Moisture: not dec. Date Analyzed: 04/03/97 ID: 0.20 (mm) GC Column: 624 Dilution Factor: 1.0 Soil Extract Volume: Soil Aliquot Volume: (uL) (uL) **CONCENTRATION UNITS:**

(ug/L or ug/Kg)

COMPOUND

1,2-Dichlorobenzene

CAS NO.

95-50-1

Q

10

EPA SAMPLE NO.

EFF7827-5

-	Lab Name:	Toxikon	Corp.		Contract:	211102110	
	Lab Code:	TOXIKO	<u>N</u> C	ase No.:	SAS No.: SD	G No.: 2	
	Matrix: (soil/v	vater)	WATER		Lab Sample ID: 9	9703524.03	
	Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	G1689.D	
	Level: (low/r	ned)	LOW		Date Received: (	03/31/97	
	% Moisture:	not dec.			Date Analyzed: (	04/03/97	
	GC Column:	624	ID: 0	0.20 (mm)	Dilution Factor:	1.0	
_	Soil Extract \	/olume:		(uL)	Soil Aliquot Volum	ne:	(uL

CAS NO.	COMPOUND (ug/L or ug/Kg) UG	6/L	Q
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
67-64-1	Assisse	7	J
75-15-0	Carbon Disulfide	10	Ú
75-09-2	Methylene Chloride	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	Ü
108-05-4	Vinyl Acetate	10	U
78-93-3	2-Butanone	2	<u></u> J <i>ø</i>
	cis-1,2-Dichloroethene	10	U.
67-66-3	Chloroform	10	
107-06-2	1,2-Dichloroethane	10	Ü
71-55-6	1,1,1-Trichloroethane	10	Ŭ
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	<u>U</u>
78-87-5	1,2-Dichloropropane	10	<u>U</u> _
75-27-4	Bromodichloromethane	10	U
110-75-8	2-Chloroethylvinyl ether	10	U
108-10-1	4-Methyl-2-Pentanone	10	U U
10061-01-5	cis-1,3-Dichloropropene	10	<u>U</u> _
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	<u>U</u>
79-00-5	1,1,2-Trichloroethane	10	Ü
124-48-1	Dibromochloromethane	10	U U
591-78-6	2-Hexanone	10	U
79-34-5	1,1,2,2-tetrachloroethane	10	<u>U</u>
127-18-4	Tetrachloroethene	10	Ü
108-90-7	Chlorobenzene	10	<u>U</u>
100-41-4	Ethylbenzene	10	U
1330-20-7	m & p Xylenes	10	<u>U</u>
1330-20-7	o-Xylene	10	<u>U</u>
100-42-5	Styrene	10	<del>U</del>
75-25-2	Bromoform	10	<u>U</u> _
541-73-1	1,3-Dichlorobenzene	10	Ü
106-46-7	1,4-Dichlorobenzene	10	<u> </u>

EPA SAMPLE NO.

EFF7827-5 Lab Name: Toxikon Corp. Contract: Case No.: \_\_\_\_\_ SDG No.: 2 Lab Code: TOXIKON Matrix: (soil/water) WATER Lab Sample ID: 9703524.03 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G1689.D LOW Level: (low/med) Date Received: 03/31/97 % Moisture: not dec. Date Analyzed: 04/03/97 GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorober	zene	10	U

EPA SAMPLE NO.

F	F	F.	78	2	7-	F

Lab Name:	Toxikon	Corp.		Contract:		_	
Lab Code:	TOXIKO	N Ca	se No.:	SAS No	o.: S	DG No.: 2	
Matrix: (soil/v	vater)	WATER	_	Lal	b Sample ID:	9703524.04	
Sample wt/vo	ol:	5.0	(g/ml) ML	Lal	b File ID:	G1690.D	
Level: (low/n	ned)	LOW	_	Da	te Received:	03/31/97	
% Moisture:	not dec.			Da	te Analyzed:	04/03/97	
GC Column:	624	ID: <u>0.</u> 2	20 (mm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume:		(uL)	So	il Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	Ū
75-00-3	Chloroethane	10	U
67-64-1	Acelcan	8	J
75-15-0	Carbon Disulfide	10	U
75-09-2	Manager Charles	2	#J
75-35-4	1,1-Dichloroethene	10	Ū
75-34-3	1,1-Dichloroethane	10	- U
156-60-5	trans-1,2-Dichloroethene	10	U
108-05-4	Vinyl Acetate	10	U
78-93-3	2-Butaports	1	<b>*</b> J
	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	U
110-75-8	2-Chloroethylvinyl ether	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	Ū
591-78-6	2-Hexanone	10	U
79-34-5	1,1,2,2-tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	Ū
1330-20-7	m & p Xylenes	10	U
1330-20-7	o-Xylene	10	U
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	Ū
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U

EPA SAMPLE NO.

EFF7827-6

Lab Name:	Toxikon	Corp.		Contract:		EFF7	827-6	j 
Lab Code:	TOXIKO	N_	Case No.:	SAS No.:	SI	DG No.: 2		
Matrix: (soil/	water)	WATE	R_	Lab S	Sample ID:	9703524.04	1	
Sample wt/ve	ol:	5.0	(g/ml) <u>ML</u>	Lab F	File ID:	G1690.D		
Level: (low/r	med)	LOW		Date	Received:	03/31/97		
% Moisture:	not dec.			Date	Analyzed:	04/03/97		
GC Column:	624	1D:	0.20 (mm)	Diluti	on Factor:	1.0		
Soil Extract \	Volume:	_	(uL)	Soil A	Aliquot Volui	me:		(uL
				CONCENTRATIO	ON UNITS:			
CAS NO	D.	CO	MPOUND	(ug/L or ug/Kg)	UG/L		Q	
95-50	 -1	1.	,2-Dichlorobenze	ene		10	U	

# **NCXIXIST**

15 Wiggins Ave., Bedford, MA 01730 Telephone. (617) 275-3330 Fax (617) 275-7478

# CHAIN OF CUSTODE RECORD

Roxy Cleaner, Wygantskill, NY

KC R#:

**DUE DATE** 

: 4 - 10 - 97

COMF	PANY: <u>Evuica</u>	سرد لم.	ted L	Verst	e 7	نه را	Λ		SAMPLE TYPE	CON	TAINE	R TYPE		·	(	•		ANA	LYSE	S		
ADDR	ESS: 1039	(10)	(tun	1 S	ST		62.444	<u> </u>	1. WASTEWATER 2. SOIL	P - Pl G - G	ASTIC	/			2	- N/	7		7			
P.O. #		.`)						112	3. SLUDGE 4. OIL 5. DRINKING WATE	V - V0 R			\ \ve/	Soul So	in the series of		<b>Y</b> /	//	//	/	//	
PROJ	ECT MANAGER ECT ID/LOCATI	(:1 ON: _	150	121	<u>C</u> [.	ea i	vers_		6. WATER (GW/MW 7. OTHER (SPECIF		/n	10)				<b>)</b> /	<i>[</i>	/ ,	/ ,	/ /	/ /	/ / .
TOXIKON #	SAMPLE IDENTIFICATION		MPLE TYPE	COI	NTAIN TYPE		SAMP	LING	PRESERVATIV		D/6		30/3	6)/J	3/							SPECIAL INSTRUCTIONS/COMMENTS
}	EFF-7827-0"	7	6	2 x 40ml	V	2	4/4/97	1:00 A.	HCL	X												
7	TNK-7627-0	i		21 Yuni	1/	2	4/4/87	4:00th	HCL			_		X	_							ASP DELIV.
<del></del>	# TNK-7827-5	2	6	500 500	Gi	Oux 141	4/4/87	41.00A	HN03		X						: 					
Ц	TNK-7:27-C			12/62		}	4/4/97	4.00P				Х	X					_				
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	<u> </u>			,							<u> </u>				i i							
SAMPLE C	y ludge	DAT TIMI	E: 4			- 9-		OTATION	1							Th	il	da	n A	WEN	au	CUMD TURN AROUND
) r	U. Culy	DAT TIM	E: 4 E: 8	- ; - <u>`</u>	7	-97	77	EIVED B	ion time	_	ME: 4		7 30	- 9 - v	2	W R	OUT	I E INE	1129 <del>5</del>	NESS I Inform	DAY <sup>*</sup>	TURN AROUND
RELINQU	ISHED BY: √	DAT TIM	Έ:			-	REC	EIVĚD F	OR LAB BY:		TE: ME:	<u>-</u>		- ,		Are th	nere ar	ny othe	er kno	wn or samples	suspe	cted
METHOD	OF SHIPMENT						coc	LER TE	MPERATURE	}		-	•			those	listed	above	97	s, 1st∶		

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory			Analytical R	equiremer	nts	
Sample	Sample	*VOA	*BNA	*VOA	*Pest	*Metals	*Other
Code	Code	GC/MS	GC/MS	GC	PCBs		
		Method	Method	Method	Method		
		#	#	#	#		
EFF-7827-07	9704075.01	8240					
TNK-7827-01	9704075.02	8260					
TNK-7827-02	9704075.03					Pb & Fe	
TNK-7827-03	9704075.04						TSS&TDS
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# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANAYLYSES

Laboratory		Date	Date Rec'd	Date	Date
Sample ID	Matrix	Collected	at Lab	Extracted	Analyzed
9704075.01	WATER	4/4/97	4/7/97		4/10/97
9704075.02	WATER	4/4/97	4/7/97		4/7/97
9704075.03	WATER	4/4/97	4/7/97	8-Apr	4/9/97
9704075.04	WATER	4/4/97	4/7/97	8-Apr	4/8/97
					-
		_			
				_	
		- <u> </u>			
	_				

REPORT

Work Order # 97-04-075

TOXIKON CORP.

Page 4

### **TOXIKON**

### **QC SUMMARY - METALS**

PROJECT: 9704075

SPIKE SAMPLE: 9704075.3

MATRIX: WATER

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Fe	ND	97_	104	2.3
Pb	ND	97	100	0

### **ACCEPTANCE CRITERIA**

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

## **TOXIKON**

## QA/QC REPORT

WORK ORDER: 9704075 MATRIX: WATER

_ <del></del>	l Burning	<del></del>	LIATON ODWE	<del> </del>
PARAMETER	DUPLICATE PERCENT RPD	CONTROL LIMITS	MATRIX SPIKE PERCENT RECOVERY	CONTROL LIMITS
TDS	0	< 25	NA NA	80 - 120
TSS	0	< 25	NA	80 - 120
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EPA SAMPLE NO.

TNK-7827-01

-	Lab Name:	Toxikon	Corp		Contract:	_	
	Lab Code:	TOXIKO	DN C	ase No.:	SAS No.: S	SDG No.: 3	
-	Matrix: (soil/v	vater)	WATER		Lab Sample ID:	9704075.02	
	Sample wt/vo	ol:	5.0	(g/ml) <u>ML</u>	_ Lab File ID:	G1747.D	
	Level: (low/r	ned)	LOW		Date Received:	04/07/97	
_	% Moisture:	not dec.			Date Analyzed:	04/07/97	
	GC Column:	624	1D: <u>0</u>	).20 (mm)	Dilution Factor:	1.0	
	Soil Extract \	/olume:		(uL)	Soil Aliquot Volu	ıme:	(uL)

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q						
	dichlorodifluoromet	nane		10	U						
	chloromethane		10	U							
	vinyl chloride		10	U							
	bromomethane										
	chloroethane		10	U							
	trichlorofluorometha		10	U							
	1,1-dichloroethene		10	U							
	methylene chloride										
		methyl-tert-butyl-ether									
	trans-1,2-dichloroet		10 10	U							
	1,1-dichloroethane		10	Ū							
	2,2-dichloropropane		<del></del>	10	U						
	cis-1,2-dichloroethe		10	Ū							
<del></del>	bromochloromethar		10	Ü							
	chloroform	<del></del>	10	Ü							
	1,1,1-trichloroethan		10	U							
	carbon tetrachloride		10	Ü							
		1,1-dichloropropene									
		benzene									
	1,2-dichloroethane	<del></del>	10	<u>U</u>							
	trichloroethene		10	<del>U</del>							
	1,2-dichloropropane	<del></del>		10	U						
	dibromomethane			10	Ü						
	bromodichlorometh	ane	i -	10	Ü						
	cis-1,3-dichloroprop			10	Ū						
	toluene			10	Ū						
	trans-1,3-dichloropr	opene		10	U						
	1,1,2-trichloroethan			10	U						
	tetrachloroethene			10	U						
	1,3-dichloropropane	•		10	U						
	dibromochlorometh	ane		10	U						
	1,2-dibromoethane			10	U						
	chlorobenzene			10	U						
	1,1,1,2-tetrachloroe		10	U							
	ethylbenzene	i	10	Ū							
	m,p-xylene		10	U							
	o-xylene		1	10	Ū						
	styrene										
	bromoform			10	U						

EPA SAMPLE NO.

Lab Name:	Toxikon	n Co <u>rp</u>		Contract:		TNK-7827-01		
Lab Code: TOXIKO		ON	Case No.:	SAS No.:	SAS No.: SI			
Matrix: (soil/	water)	WATER	₹	Lab Sample	e ID:	9704075.02		
Sample wt/v	ol:	5.0	(g/ml) ML	Lab File ID:		G1747.D		
 Level: (low/	med)	LOW	<del></del>	Date Recei	ved:	04/07/97		
% Moisture:	not dec.			Date Analy:	zed:	04/07/97		
GC Column:	624	ID:	<u>0.20</u> (mm)	Dilution Fac	ctor:	1.0		
Soil Extract	Volume:		(uL)	Soil Aliquot	Volur	me: (ເ		

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
	isopropylbenzene	10	U
	bromobenzene	10	U
	1,1,2,2-tetrachloroethane	10	U
	1,2,3-trichloropropane	10	U
	n-propylbenzene	10	U
	2-chlorotoluene	10	U
	4-chlorotoluene	10	U
	1,3,5-trimethylbenzene	10	U
	tert-butylbenzene	10	U
	1,2,4-trimethylbenzene	10	U
	sec-butylbenzene	10	U
_	1,3-dichlorobenzene	10	U
	4-isopropyltoluene	10	U
	1,4-dichlorobenzene	10	U
	1,2-dichlorobenzene	10	U
	n-butylbenzene	10	U
	1,2-dibromo-3-chloropropane	10	U
	1,2,4-trichlorobenzene	10	U
	hexachlorobutadiene	10	U
	naphthalene	10	U
	1,2,3-trichlorobenzene	10	U

EPA SAMPLE NO.

EFF-7827-07

	Lab Name:	Toxikor	Corp		Contract:		
	Lab Code:	TOXIKO	<u> </u>	Case No.:	SAS No.:	SDG No.: 3	
	Matrix: (soil/	water)	WATER	<u>.                                    </u>	Lab Sample II	D: <u>9704075.01</u>	_
	Sample wt/ve	oi:	5.0	(g/ml) <u>ML</u>	Lab File ID:	G1836.D	_
_	Level: (low/r	med)	LOW		Date Receive	ed: <u>04/</u> 07/97	_
	% Moisture:	not dec.			Date Analyze	d: <u>04/10/97</u>	_
	GC Column:	624	ID:	0.20 (mm)	Dilution Facto	or: <u>1.0</u>	_
	Soil Extract \	√olume:		(uL)	Soil Aliquot V	olume:	_ (uL

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	_	Q
74-87-3	Chloromethane	<del></del>		10	U
75-01-4	Vinyl Chloride			10	U
74-83-9	Bromomethane			10	U
75-00-3	Chloroethane			10	U
67-64-1	Acetone			13	B
75-15-0	Carbon Disulfide			10	U
75-09-2	Methylene Chlori	de		10	U
75-35-4	1,1-Dichloroether	ne		10	U
75-34-3	1,1-Dichloroethar	ne		10	U
156-60-5	trans-1,2-Dichlore	pethene		10	U
108-05-4	Vinyl Acetate			10	U
78-93-3	2-Butanone		!	2	JB
	cis-1,2-Dichloroe	thene	j	10	U
67-66-3	Chloroform			10	U
107-06-2	1,2-Dichloroethai	ne		10	U
71-55-6	1,1,1-Trichloroeth			10	U
56-23-5	Carbon Tetrachic			10	U
71-43-2	Benzene			10	U
79-01-6	Trichloroethene			10	U
78-87-5	1,2-Dichloroprop	ane		10	U
75-27-4	Bromodichlorome			10	U
110-75-8	2-Chloroethylviny	d ether	i i	10	U
108-10-1	4-Methyl-2-Penta	none	· ·	10	U
10061-01-5	cis-1,3-Dichlorop	ropene	1	10	U
108-88-3	Toluene		!	10	Ū
10061-02-6	trans-1,3-Dichlor	opropene		10	U
79-00-5	1,1,2-Trichloroeth		<u> </u>	10	U
124-48-1	Dibromochlorome	ethane	<u> </u>	10	U
591-78-6	2-Hexanone		<u> </u>	10	U
79-34-5	1,1,2,2-tetrachlor			10	U_
127-18-4	Tetrachloroethen	e		10	U
108-90-7	Chlorobenzene		<u> </u>	10	U
100-41-4	Ethylbenzene			10	U
1330 <u>-20</u> -7	m & p Xylenes			10	U
1330-20-7	o-Xylene		į	10	U
100-42-5	Styrene		i	10	U
75-25-2	Bromoform		i	10	U
541-73-1	1,3-Dichlorobenz			10	U
106-46-7	1,4-Dichlorobenz	ene		10	U

EPA SAMPLE NO.

EFF-7827-07 Lab Name: Toxikon Corp. Contract: Case No.: SAS No.: SDG No.: 3 Lab Code: TOXIKON Matrix: (soil/water) WATER Lab Sample ID: 9704075.01 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G1836.D Level: (low/med) LOW Date Received: 04/07/97 % Moisture: not dec. Date Analyzed: 04/10/97 GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

 CAS NO.
 COMPOUND
 (ug/L or ug/Kg)
 UG/L
 Q

 95-50-1
 1,2-Dichlorobenzene
 10
 U

	ins Ave., Bediora, MA Telephone: (617) 27: Fax: (617) 27:	01730 5-3330	•		Kc	• Sh )Keg(	100	iner Cl	Wy	hac	RF	70 Kil	RI (C.	Ŋ	4		ORK UE DA		-	-	-04 - <u>01</u> 4 - -22 -97
ADDR PHON P.O. # PROJ	PANY: LUT ESS: 1039 Alture NE #: (6/7)33 ECT MANAGER ECT ID/LOCATION SAMPLE IDENTIFICATION	(102 (4 (100) (2-2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	MIF MAX FAX WE COLY (	1/1 d #: (6) W/11 C (e)	7 MA 17)= GO GG NER	01/69 322-8 (Jene	772	SAMPLE TYPE  1. WASTEWAT  2. SOIL  3. SLUDGE  4. OIL  5. DRINKING WASTER (GW  7. OTHER (SPE	PE COI ER P-F G-( V-) VATER /MW/SW)	N <b>TAINE</b> PLASTIC GLASS	R TYP				7.10		ANA	ALYSI	ES		SPECIAL INSTRUCTIONS/COMMENTS
	FEF-7627-01	<del></del>	40 mel	+	2		12:05	1101			7	/ /\`	7			$\leftarrow$	$\overline{}$	$\leftarrow$	$\leftarrow$	$\leftarrow$	
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	EFF- 7827-11	$\frac{\omega}{\omega}$	lite	10		719//	12:03					$\Delta$	· ;					_			
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<u> </u>	ISHED BY:	DATE:	기 : 니 - 0일- -	17	912 - 10	REC	EIVED B	47	TII D/	TE:	27( <u>4-</u> >8-	17 20	-97 - 00 -	<u></u>	R □R Sam Are th	OUT ple c ere an	I E INE dispo	SUSIN Sal ii er kno	NESS Inform	DAY 1 nation	FURN AROUND
METHOD	OF SHIPMENT	_				coc	LER TEI	MPERATURE			<del></del> -	_			those	listed	abqve	3	atmple ≈s, 1st		

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory	Analytical Requirements							
Sample	Sample	*VOA	*BNA	*VOA	*Pest	*Metals	*Other		
Code	Code	GC/MS	GC/MS	GC	PCBs		, ,		
		Method	Method	Method	Method		ļ i		
		#	#	#	#				
EFF-7827-08	9704314.01	8260							
EFF-7827-09	9704314.02				-	Pb & Fe			
EFF-7827-10	9704314.03					<u> </u>	TSS&TDS		
	<del></del>								
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### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANAYLYSES

Laboratory		Date	Date Rec'd	Date	Date
Sample ID	Matrix	Collected	at Lab	Extracted	Analyzed
9704314.01	WATER	4/16/97	4/17/97		4/23/97
9704314.02	WATER	4/16/97	4/17/97		4/18/97
9704314.03	WATER	4/16/97	4/17/97	4/16/97	4/16/97
		_			
				_	
			_		
					1

REPORT

Work Order # 97-04-314

TOXIKON CORP.

Page 3

### **TOXIKON**

### **QC SUMMARY - METALS**

PROJECT: 9704314

SPIKE SAMPLE: 9704280.2

MATRIX: WATER

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Fe	ND	89	109	17
Pb	ND	111	110	0

### **ACCEPTANCE CRITERIA**

ANALYTE	METHOD	MS	LCS	DUPLICATE
	BLANK	(% REC)	(% REC)	(% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

## **TOXIKON**

## QA/QC REPORT

WORK ORDER: 9704314 MATRIX: WATER

PARAMETER	DUPLICATE PERCENT RPD	CONTROL LIMITS	MATRIX SPIKE PERCENT RECOVERY	CONTROL LIMITS
TSS	0	< 25	NA	80 - 120
TDS	1.6	< 25	NA	80 - 120

EPA SAMPLE NO.

EFF-7827-08

-	Lab Name:	Toxikon	Corp			Contract:			
	Lab Code:	TOXIKO	ON_	Case No.:		SAS No.:	_ SDO	G No.: 4	
	Matrix: (soil/	water)	WATE	R		Lab Sample	ID: 9	704314.1	_
	Sample wt/ve	ol:	5.0	(g/ml)	ML	Lab File ID:	В	0358.D	_
-	Level: (low/r	med)	LOW			Date Receiv	red: 0	4/17/97	_
	% Moisture:	not dec.				Date Analyz	ed: 0	4/23/97	_
	GC Column:	RTX-\	<u>/O</u> ID:	<u>0.53</u> (m	ım)	Dilution Fact	tor: 1	.0	_
	Soil Extract \	√olume:		(uL)		Soil Aliquot	Volum	e:	_ (u <b>L</b> ]

CAS NO.	COMPOUND (ug/L or ug/Kg)	UG/L	Q
	dichlorodifluoromethane	10	U
	chloromethane	10	Ū
	vinyl chloride	10	U
	bromomethane	10	Ü
	chloroethane	10	Ū
	trichlorofluoromethane	10	Ū
	1,1-dichloroethene	10	U
	methylene chloride	10	Ū
	methyl-tert-butyl-ether	10	U
	trans-1,2-dichloroethene	10	U
<del></del>	1,1-dichloroethane	10	U
	2,2-dichloropropane	10	U
	cis-1,2-dichloroethene	10	U
	bromochloromethane	10	U
	chloroform	10	U
<del></del>	1,1,1-trichloroethane	10	U _
	carbon tetrachloride	10	U
_	1,1-dichloropropene	10	U
	benzene	10	U
	1,2-dichloroethane	10	Ū
	trichloroethene	10	U
	1,2-dichloropropane	10	U
	dibromomethane	10	U
	bromodichloromethane	10	U
	cis-1,3-dichloropropene	10	U
	toluene	10	U
	trans-1,3-dichloropropene	10	U
	1,1,2-trichloroethane	10	U
<u></u>	tetrachloroethene	8	J
	1,3-dichloropropane	10	U
_	dibromochloromethane	10	U
	1,2-dibromoetharie	10	U
	chlorobenzene	10	U
	1,1,1,2-tetrachloroethane	10	U
	ethylbenzene	10	U
	m,p-xylene	10	U
	o-xylene	10	U
	styrene	10	U
	bromoform	10	U

EPA SAMPLE NO	E	P	Α	S	41	ΛP	LE	: NO	2
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Lab Name:	Toxikon C	orp	Contract:	
Lab Code:	TOXIKON	Case No.:	SAS No.: SE	OG No.: 4
Matrix: (soil/	water) <u>V</u>	NATER	Lab Sample ID:	9704314.1
Sample wt/v	ol: <u>5</u>	5.0 (g/ml) <u>ML</u>	Lab File ID:	B0358.D
Levei: (low/r	med) <u>L</u>	.OW	Date Received:	04/17/97
% Moisture:	not dec.	, 	Date Analyzed:	04/23/97
GC Column:	RTX-VC	D ID: 0.53 (mm)	Dilution Factor:	1.0
Soil Extract \	Volume:	(uL)	Soil Aliquot Volun	ne: (ul

### CONCENTRATION UNITS:

CAS NO.	COMPOUND (u	g/L or ug/Kg)	UG/L		Q
	isopropylbenzene			1	
	bromobenzene			10	U
	1,1,2,2-tetrachloroeth	ane		10	U
	1,2,3-trichloropropane	÷		10	U
	n-propylbenzene			10	U
	2-chlorotoluene			10	U
	4-chlorotoluene			10	U
	1,3,5-trimethylbenzen	e		10	U
	tert-butylbenzene			10	U
	1,2,4-trimethylbenzen	e		10	U
	sec-butylbenzene			10	U
	1,3-dichlorobenzene			10	U
	4-isopropyltoluene			10	U
	1,4-dichlorobenzene			10	U
	1,2-dichlorobenzene			10	U
	n-butylbenzene			10	U
	1,2-dibromo-3-chloro	propane		10	U
	1,2,4-trichlorobenzen		<del>_</del>	10	U
	hexachlorobutadiene			10	U
	naphthalene			10	Ū
	1,2,3-trichlorobenzend			10	U

fishink

S Wiggins ave., Bedrord, MA 01730 Telephone: (617) 275-3330 Fax: (617) 275-7478

## I CHAIN OF CUSTOEY RECORD

MORK OPDER # ()1 -04 -45)-

DUE DATE : 5 - 7 - 97

COM	PANY: ELJT	- Inc						SAMPLE TYPE	CON	ITAINE	R TYPE			<u>/</u>			ANA	ALYSI	ES _			
ADDF	RESS: 1029	Chestin		1.				1. WASTEWATER 2. SOIL		LASTIC ILASS	/			1		/)/	Τ,	7	7	7-/	//	//
DHON	Ne.#: (617 ) 333			2164		32.5-	971)	3. SLUDGE	V - V			<b>Y</b> .			\ <del>\</del>	//						/ /
P.O. #		27	rax:	#. 67	/ )=	<u> </u>	3/10	4. OIL 5. DRINKING WAT	EΒ		(6)	γαυ		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/.//	/ /	/ ,	/ ,	/ /	/ /	/ /	
	ECT MANAGER:		Ch.	in Iki	-			6. WATER (GW/M			\$\\\{\right\}	$\sqrt{}$	4		<i>\$</i> //							
PROJ	ECT ID/LOCATIO	N: <u>Ro</u>	ry C	leanin	٠,	NYD	= (	7. OTHER (SPECI		/x/	( )			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/ /	/ /	/ ,	/ ,	/ /	/ ,	/ /	
TOXIKON		SAMPLE	_	NTAIN			IPLING	PRESERVATIV	/E /	%/ //	3%	3/	33/1	3//							INST	SPECIAL RUCTIONS/ COMMENTS
#	IDENTIFICATION				# 2	DATE		HKr	<del>/</del> x	<u>/_</u>		/	<del>/_</del> _/		_	_	<del>/ ·</del> -	_	$\leftarrow$		<u> </u>	COMMENTS
	FFF-7827-11	MW	40se	1	2	14/1/x	7 11:48	1103 Chette		7	×	کم						<u> </u>	<u> </u>			
2	INF-7827-RW1-	DV MW	402	6	2		11/35	HCL	X												ASP	DELIV
3	1nf-7827-RUZ-00		40x 8	6	2		11:37	HCL "	$\lambda$													
4	146-7817-843-00	MIJ	40.1	6	2	*	11:39	114	X													
														,								
																					<i>,</i>	'
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• .						Ple	yre f	n Rese		617	-33	)-2	877	,							_	<u>_</u>
				<u> </u>	$\vdash$			7		-				-7					<del>                                     </del>			<del></del> -
		+	-	-	-			<del>  .</del>	<del></del>		-				├	<u>.</u>	-					<del></del>
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<u> </u>	· <u>-</u>		<del> </del>	4 -	-	ļ	<b>-</b>	<u> </u>	_	<u> </u>		_			<u> </u>		ļ	-	<b>↓</b>			<u>.                                    </u>
0000	1	<u> </u>	<u> </u>			<u> </u>													<u> </u>			
0										,												
SAMPLE	D BY	DATE: 2					OTATIO	N #:				. 1						·				
RELINQU	JISHER BY: 10	TIME: 1	<del> </del>	70 Z Y	<u>- ਮੁਆ</u> - ਤ		CEIVED E	3Y) // //	D	ATE: 4	4 -	280	×-97	_				BUSII	NESS	DAY	TURN A	ROUND
J-1	W. Centifie	TIME: /	'6 -		- 0	٥	(Kuu	Vierles	TI	ME:		_	-00			OUT		nsal i	nforn	natio	า	
RELINQU	JISHED BY: \V	DATE: TIME:	<u>-</u>		<u>-</u>	RE	CEIVED F	OR LAB BY:		ME:			<u>-</u>		Are th	iere a	ny oth	er kno	own or	suspe	cted	
METHOD	OF SHIPMENT	· 11716.				cc	OLER TE	MPERATURE		-			<u> </u>		those	listed	abov	e?	sample es, 1st			

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer	Laboratory			Analytical F	Requiremer	nts	
Sample	Sample	*VOA	*BNA	*VOA	*Pest	*Metals	*Other
Code	Code	GC/MS	GC/MS	GC	PCBs		1
		Method	Method	Method	Method		
		#	#	#	#		
EFF7827-11	9704452.01	8260				Pb&Fe	TSS&TDS
NF7827-RW1-00	9704452.02	8260					
NF7827-RW2-00	9704452.03	8260					
NF7827-RW3-00	9704452.04	8260					
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							1

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANAYLYSES

Laboratory		Date	Date Rec'd	Date	Date
Sample ID	Matrix	Collected	at Lab	Extracted	Analyzed
9704452.01	WATER	4/23/97	4/24/97	4/30/97	5/2/97
9704452.02	WATER	4/23/97	4/24/97		5/2/97
9704452.03	WATER	4/23/97	4/24/97		5/2/97
9704452.04	WATER	4/23/97	4/24/97		5/2/97
	_				
		_			
		_			
		_			

EPA SAMPLE NO.

Lab Name: Toxiko	n Corp.	Contract:	EFF78	52/11 
Lab Code: TOXIK	CON Case No.:	SAS No.: SI	OG No.: 5	
Matrix: (soil/water)	WATER	Lab Sample ID:	9704452.01	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	G2301.D	
Level: (low/med)	LOW	Date Received:	04/24/97	
•				
% Moisture: not dec.		Date Analyzed:	05/02/97	
GC Column: 624	1D: 0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volur	ne:	(u
	CO	NCENTRATION UNITS:		
CAS NO.	COMPOUND (ug/	L or ug/Kg) UG/L		Q
	dichlorodifluoromethane	e	10	U
	chloromethane		10	Ü
	vinyl chloride		10	Ü
	bromomethane		10	U
	chloroethane		10	U
	trichlorofluoromethane		10	U
	1,1-dichloroethene		10	U
	methylene chloride	·	1 .	JB
	methyl-tert-butyl-ether		2	J
	trans-1,2-dichloroethen 1,1-dichloroethane		10	Ü
	2,2-dichloropropane	•	10	U
	cis-1,2-dichloroethene		10	Ü
	bromochloromethane		10	Ü
	chloroform		10	U
	1,1,1-trichloroethane		10	U
	carbon tetrachloride		10	U
	1,1-dichloropropene		10	U
	benzene		10	U
	1,2-dichloroethane		10	U
	trichloroethene		10	U
	1,2-dichloropropane dibromomethane		10 10	U U
	bromodichloromethane		10	U
	cis-1,3-dichloropropene		10	Ü
	toluene		10	Ŭ
	trans-1,3-dichloroprope	ne	10	Ú
	1,1,2-trichloroethane		10	U
	tetrachloroethene		10	U
	1,3-dichloropropane		10	U
	dibromochloromethane		10	U
	1,2-dibromoethane		10 10	U
	chlorobenzene	10	10 10	U U
	1,1,1,2-tetrachloroethan ethylbenzene	IC	10	U
	m,p-xylene		10	U
	o-xylene		10	U
	styrene		10	Ü
	bromoform		10	U

EPA SAMPLE NO.

Lab Name: Toxikor	n Corp.	Contract:		EFF7	82711	1
Lab Code: TOXIKO	ON Case No.:	SAS No.:	SDO	G No.: 5		
Matrix: (soil/water)	WATER	L <b>a</b> b Sai	mple ID: 9	704452.0	1	
Sample wt/vol:	5.0 (g/ml) ML	Lab File	e ID:	32301.D		
Level: (low/med)	LOW	Date Re	eceived: 0	4/24/97		
% Moisture: not dec.		Date Ar	nalyzed: 0	5/02/97		
GC Column: 624	ID: 0.20 (mm)	Dilution	Factor: 1	.0		
Soil Extract Volume:	(uL)	Soil Alic	uot Volum	e:		(uL
		CONCENTRATION	LINITS:			
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
	isopropylbenzene bromobenzene 1,1,2,2-tetrachloro 1,2,3-trichloropropin-propylbenzene 2-chlorotoluene 4-chlorotoluene 1,3,5-trimethylbenzene 1,2,4-trimethylbenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzen 1,2-dichlorobenzen 1,2-dibromo-3-chlo 1,2,4-trichlorobenzen hexachlorobutadien	zene zene ne ne ne propropane ene		10 10 10 10 10 10 10 10 10 10 10 10 10	מ טיטימ מ מ מ מימים מימים מ מימים	

EPA SAMPLE NO.

INF()RW1001

Lab Name: Toxikon Corp. Contract: TOXIKON SAS No.: SDG No.: 5 Lab Code: Case No.: Lab Sample ID: 9704452.02 Matrix: (soil/water) WATER Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G2302.D Date Received: 04/24/97 LOW Level: (low/med) Date Analyzed: 05/02/97 % Moisture: not dec. GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

		CONCENTRATIO	CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	**	Q
1	dichlorodifluoro	methane		10	U
i	chloromethane			10	. <u>U</u>
	vinyl chloride			10	U
	bromomethane			10	U
	chloroethane			10	<u> </u>
	trichlorofluorom	ethane		10	U
	1,1-dichloroethe	ene		10	U
	methylene chlor	ride		10	U
	methyl-tert-buty	l-ether		6	J
	trans-1,2-dichlo			10	U
	1,1-dichloroetha	ane		10	U
	2,2-dichloroprop	oane		10	U
	cis-1,2-dichloro			29	
	bromochlorome			10	U
	chloroform			10	U
	1,1,1-trichloroet	hane		10	U
	carbon tetrachio			10	U
	1,1-dichloroprop			10	U
	benzene			10	Ū
	1,2-dichloroetha	ane		10	Ü
	trichloroethene		-	17	В
	1,2-dichloroprop	pane	*	10	Ū
	dibromomethan	•		10	Ü
	bromodichlorom			10	U
	cis-1,3-dichloro			10	U
	toluene	•		10	U
	trans-1,3-dichlo	ropropene		10	U
	1,1,2-trichloroet			10	U
	tetrachloroether	ne		450	E
	1,3-dichloroprop	oane		10	U
	dibromochlorom		•	10	U
	1,2-dibromoetha	ane		10	U
	chlorobenzene			10	U
	1,1,1,2-tetrachlo	proethane		10	U
	ethylbenzene			10	U
•	m,p-xylene			10	U
	o-xylene			10	U
			•		
	styrene			10	U

EPA SAMPLE NO.

INF()RW1001

Lab Name: Toxikor	Corp.	Contract:				
Lab Code: TOXIKO	ON Case No.:	SAS No.:	S	DG No.: 5	5	
Matrix: (soil/water)	WATER	Lab S	ample ID:	9704452.	02	
Sample wt/vol:	5.0 (g/ml) MI	L Lab F	ile ID:	G2302.D		
Level: (low/med)	LOW	Date	Received:	04/24/97		
% Moisture: not dec.		Date A	Analyzed:	05/02/97		
GC Column: 624	ID: 0.20 (mm)		on Factor:	1.0	-	
Soil Extract Volume:	(uL)		liquot Volu		(	(uL
	= 14 1		•		·	•
		CONCENTRATIO	N UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
	isopropylbenzene	· · · · · · · · · · · · · · · · · · ·		10	Ũ	
	bromobenzene			10	U	-i
	1,1,2,2-tetrachlor	oethane		10	Ū	÷
	1,2,3-trichloropro		•	10	Ü	
	n-propylbenzene		:	10	Ú	
•			•	10	Ū	
	4-chlorotoluene			10	Ū	•
	1,3,5-trimethylber	nzene		10	U	•
	tert-butylbenzene			10	Ū	
	1,2,4-trimethylber	nzene		10	Ū	
	sec-butylbenzene	)		10	Ü	
	1,3-dichlorobenze	ene		10	U	
	4-isopropyltoluen	e		10	Ú	
	1,4-dichlorobenze	ene		10	U	
	1,2-dichlorobenze	ene		10	U	
	n-buty/benzene			10	U	
	1,2-dibromo-3-ch	loropropane		10	U	
	1,2,4-trichloroben	zene		10	U	
	hexachlorobutadi	ene		10	U	
	naphthalene			10	U	
	1,2,3-trichloroben	zene	•	10	Ū	

EPA SAMPLE NO.

INF()RW1001DL

\_\_\_\_ Contract: Lab Name: Toxikon Corp. SAS No.: SDG No.: 5 Lab Code: TOXIKON Case No.: Lab Sample ID: 9704452.02DL WATER Matrix: (soil/water) 1.0 Lab File ID: G2314.D Sample wt/vol: (g/ml) ML Level: (low/med) LOW Date Received: 04/24/97 % Moisture: not dec. Date Analyzed: 05/05/97 ID: 0.20 (mm) GC Column: 624 Dilution Factor: 1.0 (uL) Soil Aliquot Volume: Soil Extract Volume: (uL)

CAS NO.		or ug/Kg)	UG/L	Q
	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		50	Ū
	1.1		50	U
	vinyl chloride		50	U
	bromomethane		50	Ū
	chloroethane	** * * * * * *	50	U
	trichlorofluoromethane	*	50	
	1,1-dichloroethene		50	Ü
	methylene chloride		50	U
	methyl-tert-butyl-ether	<del>-</del>	50	Ü
	trans-1,2-dichloroethene		50	U
	1,1-dichloroethane		50	U
	2,2-dichloropropane		50	U
	cis-1,2-dichloroethene		22	J
	bromochloromethane		50	U
	chloroform		50	Ú
	1,1,1-trichloroethane		50	Ü
	carbon tetrachloride		50	U
	1,1-dichloropropene		50	U
	benzene		50	Ū
	1,2-dichloroethane		50	U
	trichloroethene		15	J
	1,2-dichloropropane		50	Ü
	dibromomethane		. 50	U
	bromodichloromethane		50	U
	cis-1,3-dichloropropene		. 50	U
	toluene		50	U
	trans-1,3-dichloropropene		50	U
•	1,1,2-trichloroethane		50	U
	tetrachloroethene		400	
	1,3-dichloropropane		50	U
	dibromochloromethane	•	50	Ū
	1,2-dibromoethane		50	U
	chlorobenzene		50	U
	1,1,1,2-tetrachloroethane		50	U
	ethylbenzene		50	U
	m,p-xylene		50	. U
	o-xylene		. 50	U
	styrene	-	50	U
	bromoform		50	U

EPA SAMPLE NO.

Lab Name: Toxik	on Corp.	Contract:		INF()R	W1001 	DL
Lab Code: TOXII	KON Case No.:	SAS No.:	SI	OG No.: 5	<u> </u>	
Matrix: (soil/water)	WATER	Lab	Sample ID:	9704452.0	D2DL	
Sample wt/vol:	1.0 (g/ml) M	IL Lab	File ID:	G2314.D		
Level: (low/med)	LOW	Date	Received:	04/24/97		
% Moisture: not ded		Date	Analyzed:	05/05/97		
GC Column: 624	ID: 0.20 (mm)		ion Factor:			
	<del></del> ` '	,				/I.\
Soil Extract Volume	: (uL)	5011	Aliquot Volur	ne:	<u>-</u>	(uL)
		CONCENTRATION	ON UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
	isopropylbenzene bromobenzene 1,1,2,2-tetrachlo 1,2,3-trichloropro n-propylbenzene 2-chlorotoluene 4-chlorotoluene 1,3,5-trimethylbe tert-butylbenzene 1,2,4-trimethylbe sec-butylbenzene 1,3-dichlorobenz 4-isopropyltoluer 1,4-dichlorobenz n-butylbenzene 1,2-dibromo-3-ch 1,2,4-trichlorobe hexachlorobutad naphthalene	enzene enzene enzene enzene enzene enzene enzene ene		50 50 50 50 50 50 50 50 50 50 50 50 50 5		
	·	nzene				

EPA SAMPLE NO.

INF()RW2001

Lab Name: Toxikor	n Corp.	Contract:	INF()RVV2UU	
Lab Code: TOXIKO	ON Case No.:	SAS No.: S	DG No.: <u>5</u>	
Matrix: (soil/water)	WATER	Lab Sample ID:	9704452.03	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	G2303.D	
Level: (low/med)	LOW	Date Received:	04/24/97	
•	200		05/02/97	
% Moisture: not dec.		Date Analyzed:		
GC Column: 624	ID: 0.20 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ime:	(uL
	СО	NCENTRATION UNITS:		
CAS NO.	COMPOUND (ug.	/L or ug/Kg) UG/L	Q	
	dichlorodifluoromethan	e	10 U	
•	chloromethane		10 U	,
•	vinyl chloride		10 U	
	bromomethane	•	10 U	
	chloroethane		10 U	
	trichlorofluoromethane	4	10 U	
	1,1-dichloroethene	,	10 U	
	methylene chloride		<u>10</u> <u>U</u>	
	methyl-tert-butyl-ether		<u>10</u> U	
	trans-1,2-dichloroethen	ie <u> </u>	10 U	-
	1,1-dichloroethane	;	10 U	
	2,2-dichloropropane		10 U	
	cis-1,2-dichloroethene	•	20 10 U	
	bromochloromethane chloroform		10 U	
	1,1,1-trichloroethane		10 U	
	carbon tetrachloride	•	10 U	
	1,1-dichloropropene	•	10 U	
	benzene		10 U	
	1,2-dichloroethane		10 U	
	trichloroethene		16 B	
	1,2-dichloropropane		10 U	
	dibromomethane		10 U	
	bromodichloromethane		10 U	
	cis-1,3-dichloropropene		10 U	
	toluene		10 U	
	trans-1,3-dichloroprope	ene	10 U 10 U	
	1,1,2-trichloroethane tetrachloroethene		920 E	
	1,3-dichloropropane	•	10 U	
	dibromochloromethane	1	10 U	
	1,2-dibromoethane		10 <u></u>	276
	chlorobenzene	•	10 U	
	1,1,1,2-tetrachloroetha	ne	10 U	
	ethylbenzene		10 U	
	m,p-xylene		10 U	
	o-xylene		10 U	
	styrene		10 U	
	bromoform		10 U	

EPA SAMPLE NO.

		_				INF	()RW200	)1
Lab Name:	Toxikor	i Corp.		Contrac	>t:			
Lab Code:	TOXIK	NC	Case No.:	SAS	No.:	SDG No.:	5	
Matrix: (soil/	water)	WATE	R		Lab Sample ID	): 9704452	2.03	
Sample wt/v	ol:	5.0	(g/ml) Mi	L	Lab File ID:	G2303.E	)	
Level: (low/	med)	LOW			Date Received	i: 04/24/97	,	
% Moisture:	-				Date Analyzed	. 05/02/97	,	
		ID.	0.20 (mm)		Dilution Factor	1 7 T		
GC Column:	624	ID.	0.20 (mm)			· · · - ·		
Soil Extract	Volume:		(uL)	:	Soil Aliquot Vo	lume:		(ul
				CONCENTR	ATION UNITS	<b>S</b> :		
CAS NO	Э.	CC	MPOUND	(ug/L or ug/k	(g) UG/L		Q	
		ic	sopropylbenzene			10	U	
			romobenzene	<u> </u>		10	U	
			,1,2,2-tetrachlor	oethane		10	Ū	
			,2,3-trichloropro			10	Ū	
		n	-propylbenzene			10	U	
		. 2	-chlorotoluene			10	U	
		4	-chlorotoluene			10	U	
		1	,3,5-trimethylber	nzene		2	J	
			ert-butylbenzene			10	U	
			,2,4-trimethylbe			7	J	
			ec-butylbenzene			10	U	
			,3-dichlorobenze			10	U	
			-isopropyltoluen			10	U	
			,4-dichlorobenze			10	U	
			,2-dichlorobenze	ene		10	, U	
			-butylbenzene			10	U	
			,2-dibromo-3-ch			10	, U	
			,2,4-trichlorober			10	U	
			exachlorobutadi	ene		10	U	
			aphthalene			10	U	
		4	O O I d'alla de la calla de			40	1.1	

1,2,3-trichlorobenzene

10

EPA SAMPLE NO.

INF()RW2001DL

Date Analyzed: 05/05/97

Contract: Lab Name: Toxikon Corp. SAS No.: SDG No.: 5 **TOXIKON** Case No.: Lab Code: Lab Sample ID: 9704452.03DL Matrix: (soil/water) WATER Sample wt/vol: Lab File ID: 0.5 (g/ml) ML G2315.D Date Received: 04/24/97 Level: (low/med) LOW

GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0

% Moisture: not dec.

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

		CONCENTRATIO	ON UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
	dichlorodifluoror	methane		100	 U
	chloromethane		-	100	Ú
	vinyl chloride			100	U
	bromomethane			100	IJ
	chloroethane		٠	100	U
	trichlorofluorome	ethane	-	100	U
	1,1-dichloroethe		•	100	Ü
	methylene chlor		•	100	U
	methyl-tert-butyl		•	100	Ū
	trans-1,2-dichlor		•	100	Ü
	1,1-dichloroetha			100	Ŭ
	2,2-dichloroprop			100	Ü
	cis-1,2-dichloroe			16	j
	bromochlorome			100	Ŭ
	chloroform	(IIIII)		100	Ŭ
	1,1,1-trichloroet	hana	•	100	Ü
	carbon tetrachic		•	100	U
			•	100	U
	1,1-dichloroprop	ene		100	U
	benzene			100	U
	1,2-dichloroetha	ine			
	trichloroethene			15	J
	1,2-dichloroprop			100 100	U
	dibromomethan			100	Ü
	bromodichlorom			100	U
	cis-1,3-dichloror	пореле		100	U
	toluene	ronronono		100	Ü
	trans-1,3-dichlor			100	U
	1,1,2-trichloroeti tetrachloroether			860	U
				100	U
	1,3-dichloroprop			100	U
	dibromochlorom			100	U
	1,2-dibromoetha	ane		100	U
	chlorobenzene				
	1,1,1,2-tetrachlo	proetnane		100	U
	ethylbenzene			100	Ų
	m,p-xylene			100	
	o-xylene			100	U
	styrene			100	U
	bromoform			100	U

EPA SAMPLE NO.

INF()RW2001DL

	··	_			0 1			INF()	RW200	1DL
Lab Name:	Toxikor	n Corp.			Contra					
Lab Code:	TOXIK	ON	Case N	No.:	SAS	3 No.:	S	DG No.:	5	
Matrix: (soil/	water)	WATE	R			Lab S	ample ID:	9704452	2.03DL	
Sample wt/ve	ol:	0.5	(g	/ml) Ml	L	Lab F	ile ID:	G2315.E	)	
Level: (low/r	med)	LOW				Date F	Received:	04/24/97	7	
% Moisture:	•						Analyzed:			
				, ,			-			
GC Column:	624	ID:	0.20	(mm)		Dilutio	n Factor:	1.0		
Soil Extract \	Volume:		(	uL)		Soil A	liquot Volu	ıme:		(u
					CONCENT	RATIO	N UNITS:			
CAS NO	D.	CO	MPOU	ND	(ug/L or ug/	/Kg)	UG/L		Q	
		ic	opropyl	henzene				100	Ü	
4			romobe				•	100	Ü	
		• •			oethane		٠	100	U	
		1	,2,3-tricl	nloropro	pane			100	U	
:		n	-propylb	enzene				100	U	i
		2	-chlorote	oluene				100	U	
			-chlorote					100	Ų	
			,3,5-trim					100	Ų	
			ert-butyll					100	U	
			,2,4-trim	_				100	U	
			ec-butyli					100	U	
		1	,3-dichlo	orobenze	ene			100	U	
		4	-isoprop	yltoluen	е			100	U	
		1.	,4-dichlo	orobenze	ene			100	U	
		1	,2-dichlo	orobenze	ene			100	U	
			-butylbe					100	U	
		1.	,2-dibroı	mo-3-ch	loropropane			100	U	
		1.	,2,4-trich	nlorober	nzene			100	U	
		h	exachlo	robutadi	ene			100	U	
		, n	aphthale	ene				100	U	
			<u> </u>					400		

1,2,3-trichlorobenzene

100

U

EPA SAMPLE NO.

Lab Name: Toxiko	n Corp.	Contract:	INF()RW3001
Lab Code: TOXIK	ON Case No.:	SAS No.:	SDG No.: 5
Matrix: (soil/water)	WATER	Lab Sample II	D: 9704452.04
Sample wt/vol:	5.0 (g/ml) <b>M</b> L	Lab File ID:	G2304.D
•	· · · · · · · · · · · · · · · · · · ·		
Level: (low/med)	LOW	Date Receive	
% Moisture: not dec.		Date Analyzed	d: 05/02/97
GC Column: 624	ID: 0.20 (mm)	Dilution Facto	r: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot Vo	olume: (I
	co	NCENTRATION UNIT	S:
CAS NO.	COMPOUND (ug	g/L or ug/Kg) UG/L	Q
	dichlorodifluoromethar	ne j	10 U
-	view ablasida		10 U
	bromomethane	1	<u>10</u> <u>U</u>
	chloroethane	:	. 1 <u>0</u> U
	trichlorofluoromethane		10 U
	1,1-dichloroethene	· ·	10 U
	methylene chloride		10 U
	methyl-tert-butyl-ether		4 J
	trans-1,2-dichloroether	ne .	10 U 10 U
	1,1-dichloroethane 2,2-dichloropropane		10 U
	cis-1,2-dichloroethene		23
	bromochloromethane		10 U
	chloroform	•	10 U
	1,1,1-trichloroethane		10 U
	carbon tetrachloride	*	10 U
	1,1-dichloropropene		10 U
	benzene		10 U
	1,2-dichloroethane		10 U
	trichloroethene		10 U
	1,2-dichloropropane	•	10 U
	dibromomethane	_	10 U
	bromodichloromethane	· ·	10 U 10 U
	cis-1,3-dichloropropen toluene	e	10 U
	trans-1,3-dichloroprope	ene	10 U
	1,1,2-trichloroethane	J	10 _U
	tetrachloroethene	i i	540 E
	4 3 dionieropropane	and the first of t	10 U
	dibromochloromethane	e	10 U
	1,2-dibromoethane		10 U
	chlorobenzene		10 U
	1,1,1,2-tetrachloroetha	ine	10 U
	ethylbenzene		10 U
	m,p-xylene		10 U
	o-xylene		10 U
	styrene		10 U

EPA SAMPLE NO.

INF()RW3001

	n Corp.	Contract:	INF()KVV	
ab Code: TOXIK	ON Case No.:	SAS <b>N</b> o.:	SDG No.: 5	
Matrix: (soil/water)	WATER	Lab Sample ID:	9704452.04	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	G2304.D	
_evel: (low/med)	LOW	Date Received:	04/24/97	
% Moisture: not dec.		Date Analyzed:	05/02/97	
GC Column: 624	ID: 0.20 (mm)	Dilution Factor:		
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:	(ul
	CO	NCENTRATION UNITS:		
CAS NO.	COMPOUND (ug/	L or ug/Kg) UG/L	(	Q
	bromobenzene 1,1,2,2-tetrachloroethar 1,2,3-trichloropropane n-propylbenzene 2-chlorotoluene 4-chlorotoluene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene		10 10 10 10 10 10 10	n n n n n

EPA SAMPLE NO.

INF()RW3001DL

Lab Name: Toxikor	n Corp.	Contract:	INF()RW3001DL
Lab Code: TOXIK	ON Case No.:	SAS No.: S	DG No.: 5
Matrix: (soil/water)	WATER	Lab Sample ID:	9704452.04DL
Sample wt/vol:	1.0 (g/ml) ML	Lab File ID:	G2316.D
Level: (iow/med)	LOW	Date Received:	04/24/97
% Moisture: not dec.		Date Analyzed:	05/05/97
	ID: 0.20 /mm)	Dilution Factor:	1.0
GC Column: 624	ID: 0.20 (mm)		
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ıme: (u
	cc	NCENTRATION UNITS:	
CAS NO.	COMPOUND (ug	g/L or ug/Kg) UG/L	Q
	dichlorodifluoromethar	ne	<u>5</u> 0 U
	chloromethane		50 U
	vinyl chloride	•	50 U
	bromomethane	•	50 U
	chloroethane	•	50 U
		•	50 U
	trichlorofluoromethane	-	
	1,1-dichloroethene	•	.50 <u>U</u>
	methylene chloride	• • •	<u>50</u> <u>U</u>
	methyl-tert-butyl-ether		50 U
	trans-1,2-dichloroether	ne	50 U
	1,1-dichloroethane		50 U
	2,2-dichloropropane		50 U
	cis-1,2-dichloroethene		19 J
	bromochloromethane		50 U
	chloroform		50 U
	1,1,1-trichloroethane		50 U
	carbon tetrachloride		50 U
	1,1-dichloropropene		50 U
	benzene		50 U
			50 U
	1,2-dichloroethane		50 U
	trichloroethene		
	1,2-dichloropropane		50 U
	dibromomethane	<u> </u>	50 U
	bromodichloromethane	- · · · · · · · · · · · · · · · · · · ·	50 U
	cis-1,3-dichloropropen	<u>e</u>	50 U
	toluene		.50 U
	trans-1,3-dichloroprope	ene	50 U
	1,1,2-trichloroethane		50 U
	tetrachloroethene		
	1,3-dichloropropane		50 U
	dibromochloromethane	9	50 U
	1,2-dibromoethane		50 U
	chlorobenzene		50 U
	1,1,1,2-tetrachloroetha	ine	50 U
	ethylbenzene		50 U
			50 U
	m,p-xylene		50 U
	o-xylene		50 U
	styrene		
	bromoform		50 U

EPA SAMPLE NO.

INF()RW3001DL

Lab Name: T	oxikon Corp.		Contract:	
Lab Code: T	OXIKON	Case No.:	SAS No.:	SDG No.: 5
Matrix: (soil/wat	ter) WATE	R	Lab Sampl	e ID: 9704452.04DL
Sample wt/vol:	1.0	(g/ml) ML	Lab File ID	: G2316.D
Level: (low/me			Date Rece	ived: 04/24/97
% Moisture: not	t dec.		Date Analy	zed: 05/05/97

GC Column: 624 ID: 0.20 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

		CONCENTRATIO	DIN DINITIO.		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
-	isopropylbenzer	ne		50	U
	bromobenzene			50	U
	1,1,2,2-tetrachle	oroethane		50	U
	1,2,3-trichloropr	opane		50	U
	n-propylbenzen	е		50	U
•	2-chlorotoluene			<u>50</u>	Ū
	4-chlorotoluene			50	U
'	1,3,5-trimethylb	enzene		50	U
	tert-butylbenzer	ne		50	Ü
	1,2,4-trimethylb	enzene		50	U
	sec-butylbenzer	ne		50	U
	1,3-dichloroben	zene		50	U
	4-isopropyltolue	ene		50	U
	1,4-dichloroben	zene		50	U .
	1,2-dichloroben	zene		50	U
	n-butylbenzene			50	U ,
	1,2-dibromo-3-d	hloropropane		50	U, ,
	1,2,4-trichlorobe	enzene		50	U
	hexachlorobuta	diene		50	U
	naphthalene			50	U
	1,2,3-trichlorobe	enzene		5 <b>0</b>	U

### **TOXIKON**

### QC SUMMARY - METALS

PROJECT: 9704452

SPIKE SAMPLE: 9704414.1

MATRIX: WATER

ANALYTE	METHOD	MS	LCS	DUPLICATE
<u> </u>	BLANK	(% REC)	(% REC)	(% RPD)
Fe	ND	82	84	0
Pb	ND	85	84	0

### **ACCEPTANCE CRITERIA**

ANALYTE	METHOD	MS	LCS	DUPLICATE
	BLANK	(% REC)	(% REC)	(% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

SAMPLE ID	EFF-7827-11	SAMPLE # 01	FRACTIONS: A			
Date & Time Collected	04/23/97	11:40:00	Category	MATER		
MD	PB	ND	TDS	360	TSS	ND
mg/L	DL=0.020	mg/L	DL=0.050	mg/L	DL=10.0	mg/L

## **TOXIKON**

## QA/QC REPORT

WORK ORDER: 9704452 MATRIX: WATER

	DUPLICATE		MATRIX SPIKE	
PARAMETER	PERCENT RPD	CONTROL LIMITS	PERCENT RECOVERY	CONTROL LIMITS
TSS	8.7	< 25	NA	80 - 120
TDS	3.5	< 25	NA	80 - 120
{				
			_	

#0266330

Location: Roxy Cleaners Groundwater Treatment System #
Description: Roxy Air Stripper, 195 Main St., Wynantskill, RW-1 INFLUENT

Description. Roxy All Stripper, 195 M	iam St., Wynamsk	111, 1077-1	INFLUEN		There is a sunt dame that Kills	aya ina minda		Carl A Treatment	Ing. Made as a construction of the	Andreas de l'Ondre d'Ondre	management with the selfcul
		in the party				encent		(230)			
स्यस्त्रक्षरणाम् । । । । । । । । । । । । । । । । । । ।	Defeators by the	H/4/2/#	的分分件	的母份等		1001/3/6	1044次维	<b>80/1 AT 8</b>			<b>新人公公</b>
	SAN COLUMN TO		<b>建筑器影响</b>	MALE MANAGEMENT					Parties (14, 1885)		
Bromomethane	< 50. MCG/L										
<b>できる。これでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、</b>	SO MOOL	Lake is fairled.	id or Lond	All designations of the	PER TURBUS			للخلفة كالمراجع المراجع			فتناون ومنق
Chloroethane	< 50. MCG/L										
Methylese Chlaride (Dichloromethune)	≤ 50 MCC/L	والتسميد فالتما	17	<b>4</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			3 ( المدين والمداول	2) سختي رياعا		7	والتنابية المالية
Acetone	< 50. MCG/L							78		22	18
Carbon Disulfide	≤ 50, MCG/L	حائمة والغوا	للجينان والكال					All Aircain	and the second		المسالية
1,1-Dichloroethene	< 50. MCG/L										<u> </u>
i Dichonettane	≤ 50. MCQ/L		A Tall and the	لتلب ونفذ أدراد				alut ji të sudhe dhe	problem and a state of	عافت الاستاد الجالات	فسيقاله واستعاره ومستطالتا
Cis/Trans-1,2-Dichloroethene (Total)	< 50. MCG/L	36	46	48	44	43		L		26	49
<b>61000000000000000000000000000000000000</b>	450 MCG/L LALE	4	واستعداده سوا	training in the	RESERVED IN		MATTER FOR	ALC: UNKNESS	مأنة ملاداته مندادته	The second second second second second second second second second second second second second second second se	Littlem : constal
1,2-Dichloroethane	< 50. MCG/L										
ABusines (Verley Ethyl Keytone)	S.50. MCC/A	المتني عاراه	eth Best Wille	# 2 - 4 III A # 4 E		المستول إن الشعا		and a statement	Lating pulped		-
1,1,1-Trichloroethane	< 50. MCG/L										
2000年2月1日 1000年2月1日 1000年1日 1	S SO MCC/LAND	Marian	مر الكريا أ ديالادم			24,014			relevant, comme	مناشفة بترسعانيه	عفش والسيطانيات
Bromodichloromethane	< 50. MCG/L										
DESCRIPTION OF THE PROPERTY OF	SR MOG/L		de la company	and the ball	And the second second	الأداية عادتها		District Street			المشاعد ووالفقا
Cis-1,3 Dichloropropene	< 50. MCG/L		<u> </u>			<u> </u>					
THE PROPERTY OF THE PROPERTY O	ESIL MOTILE	1.5	Aller Date 24	v.::.as:23	ا 2 نفسه و معالى و ان		20	120		2	21 سالمنتخب
Dibromochloromethane	< 50. MCG/L										
172 Inchlorostnene	\$50 MCG/L	Libit Laboration	All and the second	MIA 10 Hall ber (Amiric)	Life but street,		Alle lie de la consedici	dedia katha d	In the state of	فنسانة فينامنا بتقلف	والمتاح والمتافقة
Benzene	< 50. MCG/L		1	<u> </u>			ļ <u></u>				
Lane 13-Dichlorgoropene	4 SO MCG/LILE	A STREET	Adding the state of			Name of States	PROFESSION STREET		i i san a a na a si si sa a		معالفا فالمادان والتشاف
Bromoform	< 50. MCG/L		<u> </u>							<u> </u>	
4-Methyl-2-Pentatone (MIBK)	≤ 50. MCG/L	1411	والمعاض فأسافها	NEW MARKS	an line afficient	district the said	وفيطين المتراكية	referensia juda in disense	Gracie de la Constantia	Bulling is all alleges.	المحمولية المستعملية
2-Hexanone (Methyl Butyl Ketone)	< 50. MCG/L										
72.25.75.47.23.41.11.14.12.13.13.13.13.13.13.13.13.13.13.13.13.13.	S50 MCG/L	570	790		A 670	69C	620	930	770	570 يونو	790 شور سامه
1,1,2,2-Tetrachloroethane	< 50. MCG/L										
Tollege	≤50. MCG/L	المعدلة والك	ALCO MA PLANTS			العادة بمنابعا	Prince Tra	المنظل المالك		المعاشر في المعاس	Maria Baratania
Chlorobenzene	< 50. MCG/L							]			
Edyperizes	≤ SQ. MCG/L				a de base			A LONG	and the same of the same of	مستعلقين بيارينيون	
Styrene	< 50. MCG/L					1					
Total Xylenes was a same and a same a	< 50, MCG/L	de la Colesca de	Adamtic Sugarini	tila inga fi adeleter	iciae pa <b>ni</b>		A STATE OF THE STA		de Labella di Chida	المتأسسين والماقية	10.4 By 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Data Qualifications		J,J,_,B	BJ,J,J	BJ,J,J	J,J	J,J	BJ,J,J	BJ,BJ,J,J,J	BJ,BJ,J,BJ,J,J	BJ,BJ,J,BJ,J,J	BJ,BJ,J,J

Note: Data qualifications are in the order that they appear on the data sheets.

J = Estimated Value B = Blank

Location: Roxy Cleaners Groundwater Treatment System

#0266330

Description: Roxy Air Stripper, 195 Main St., Wynantskill, RW-2 INFLUENT

The companies	Description: Roxy Air Stripper, 195 Ma	iii si., wynaniskii										and the latest and th
Proceedings	Little Harrison Harrison Harrison						oncentra	ton MGG			Links of the same	2077/07/07
Form   Comment							の公分様	的旅作	<b>E 94 224</b>	2119/24/44	10-6412/4	MINNON (4)
Application   Application	Chadrante & Francisco de la Constante de la Co	SIMMOGRAE IS	HELDER	生性病性		AND HEAVILLE	LE MINI				AND STATES	
	Bromomethane	<100. MCG/L										,
Company   Comp	Vinyl Calorden (1)	<100.MCOLL	Edition of the	a decimal	and some also		A. District	on Achter	والمعارض والمالية		arit illiamenta.	PARTIE AND THE PARTIES AND THE
March   Marc	Chloroethane	<100. MCG/L										
Declaration   Declaration	Methylene Chloride (Dichlorunethane)	< 100 MCG/Landalate	2	A PROPERTY.			28					
Deblorechase	Acetone	<100. MCG/L										
Dichlorochane	Carbon Disulfide	< 100. MCG/L	المداد المام م	عقال تكفّلان علا	. Links Provided			en albemie	La la descripción de la constanta de la consta			
Company   Comp	1,1-Dichloroethene	<100. MCG/L										
Application   Application	Dichlomethane was a second of the second of	≤ 100. MCG/L		and and sails.	te tax de 16e	andan Produc		i sa jina i k			Sand-Sale Briston	والمنطقة المنطقة
2.Declared   2.00. MCG/L   2	Cis/Trans-1,2-Dichloroethene (Total)	<100. MCG/L		21	20		18					
Short   Shor	Coloroform	<100 MCG/L		ii. malimi	THE REAL PROPERTY.				العاقات كالإساسات			
1.1.1 Trichloroschane	1,2-Dichloroethane	<100. MCG/L										
Color   Colo	2-Buttenone (Methy Billy Keytone)	S100 MCG/L		and a relation			والمالية والمالية				and the large states.	and the family
2-10 MCG/L   2-1	1,1,1-Trichloroethane	<100. MCG/L										
100 MCG/L   100	Cartion Tetrachloride	S 100 MCG/L	-	a ded se la la company	والم المدادة والم	AND THE RESEARCH	Citation date of the	تقنفه فالمساد	است في المستعدد الما	A STATE OF THE STATE OF	A CONTRACTOR OF THE PARTY OF TH	THE REAL PROPERTY.
Cis-1,3 Dichloropropene	Bromodichloromethane							*** **********************************				a Millionia soldina serapanda moderna
Control   Cont	12-Dichloropropase	S 100 MCG/L	Are To be stated	A CONTRACTOR	والما والمراودين	Links with Law	Carlot de la comitación de la comitación de la comitación de la comitación de la comitación de la comitación de		Links of the last	فالتحارب والمتالك		The state of the s
Dibromochloromethane	Cis-1,3 Dichloropropene	<100. MCG/L										
1/2-Trichloroctime   1/2-Tri	Trichlereathene	S 100, MCG/L	the state of	19	-11		13	والمستسلسان	at miles on all	Secretaria de la constitución de	- ALCOHOL:	A STATE OF LAND
Service   Serv	Dibromochloromethane	<100. MCG/L										
Signo   Sign	1,12-Trichloroethane	< 100, MCG/L	القالون وتبارتونية	and an artificial	الماستان المسترا	at unique disease and the		The American			Landa Burthia	in the second second in
Bromoform	Benzene	<100. MCG/L										
Methyl 2-Pentatone (MtBK) (Histories)	Trans-1-3-Dichloropropene	≤ 100, MCG/L	demonate it also		والمنافعة والمنافعة	A sale and the sale	. ai sida di di di di di di di di di di di di di			Section in the latest	Annaire States State	والمستواط أنتوكا
2-Hexanone (Methyl Butyl Ketone)	Вготнобогт	<100. MCG/L					790					
Characterechese	4-Methyl-2 Pentatone (MIBK) that a second second	≤100 MCG/L	La Le Main	PARTITION AND	de de de		alle interiori		A SECULIAR SECURIT			ستتقتنف للعنقاف
1,1,2,2-Tetrachloroethane	2-Hexanone (Methyl Butyl Ketone)					The state of the s			The second second second			, m, co. 13
Chlorobenzene	Tetracklorechene	₹100 MCG/L	880	1400	1200 Izan	680 مستقصد شکات	<b>89</b> 0	630	A STANSON OF THE STANSON	Acade California	il and marketing	
Chlorobenzene	1,1,2,2-Tetrachloroethane	<100. MCG/L							A The Constant was to the			
Styrene <100. MCG/L Total Xylenes. <100. MCG/L  Converge to the state of the state	Toluene in a comment of the comment	< 100. MCG/L	division del parti	المعالمة المالية	المقالة والمقالة والما	AND DESCRIPTION AND ADDRESS.	الاختاط والمعالم	Section 1		Listens de ministra	The second second	AND STATE OF LEVE
Styrene <100. MCG/L  Total Xylenes. The state of the stat	Chlorobenzene								and duding			
Total Xylenes	Ethylbenzene	< 100. MCG/L	تمانية المتامة				تنابط الأخالين الأ		STANDARD COM		فلأشفاق لتنازين	d Martine Park
	Styrene	<100. MCG/L										
	Total Xylenes	< 100. MCG/L	La payaysa	A constant in	· · · · · · · · · · · · · · · · · · ·	ini kidide da	· i u musulip kiliki	S COMMITTEE S		بعدلات وحورت فاعتلا		Minima Labor.
	Data Qualifications		1,1						<u> </u>	<u> </u>		

Note: Data qualifications are in the order that they appear on the data sheets

1 (p)0266330c/mpnds Page 2 of 5

J = Estimated Value B = Blank

<sup>#</sup> RW-2 Not Operating

Location: Roxy Cleaners Groundwater Treatment System

#0266330

Description: Roxy Air Stripper, 195 Main St., Wynantskill, RW-3 INFLUENT

Description: Roxy Air Stripper, 195	Main St., Wynantskill	, RW-3 IN	FLUENT			_					
		In Water	COLUMN TO A STATE OF THE PARTY		A CONTRACTOR OF THE PARTY OF TH	Concent	milenely (C	religion and			
in the straight of the straigh	Detection Limit	25/2/974	和付出物理	<b>以20次面</b>	國 悠悠	<b>新文化</b>	国位1/24国	医(化)(化)		<b>\$44248</b>	章7/3/27章
Diduction of the second	ASSOME SERVE TO BE	<b>上线用表型</b>	30 1 10 P. 1 1 P.	State 1							
Bromomethane	< 50. MCG/L								L		
NAME OF THE PROPERTY OF THE PARTY OF THE PAR	E SO. MCG/Line Out.	de la section	and the second	Wind and Article		Mark proster	Personal Control		PROPERTY OF STREET		فالخدن وبصاف
Chloroethane	< 50. MCG/L										
Methylene Chloride (Dichloromethane)	4 50 MCO/L		والعلام المرادية		ne de la constitución de la cons	29					district and service.
Acetone	< 50. MCG/L	<u> </u>	<u> </u>					33	22	24	24
Cation Disulfide	S 50, MCO/L		at first lanced to	italia: Vilialia		A			التقامين بالتالي	أر ونق واقع لا الله	ر فلا فراد الطائد
1,1-Dichloroethene	< 50. MCG/L						_		0.6		
A Dichloredistre	E SQ MCG/L	المركز والمراجع المراجع	A	dad seededle	NAC BANK SE	كالعبية ببيد		فقراف فالأفد عوره			المنسا فياشيه
Cis/Trans-1,2-Dichloroethene (Total)	< 50. MCG/L	28	29	1						1	
Chambern Land Land Company of the Co	≤ 50. MCG/L		Land and the state of the	أأخ بعار يضمال		الفاحديي	aria Banasis di	المرافعة المعلقات مرد	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	المعتد العدادة	alleddin garafal a
1,2-Dichloroethane	< 50. MCG/L										
2-Butanone (Methyl Ethyl Keylone)	A SO MCOVI	المراجد عال	hip integrabile	CHILL MANUFALL	هالانتقاد المسادي	المسالسات		Life Control Line	MARK TATAL	Maritim Maritim	تتعفيه عامد
1,1,1-Trichloroethane	< 50. MCG/L							8 Ou 48 AV A	N		
	≤ 50 MCG/Lastina	sculeday de	and the same	, where the	China Mars Lond ()	والتوالية		فاف المنطق على الغا		A PARTIE AND A PAR	San telepisch between
Bromodichloromethane	< 50. MCG/L										
12 Dichlarprobane	SO MCGO Like of the	Ale in State	Ac all paints	والمنافعة المالية		فالمعالف متعاد					الأعالات المالية
Cis-1,3 Dichloropropene	< 50. MCG/L		<u> </u>								
TRANSPORT OF THE PROPERTY OF T	4 59, MOON	-	is a sea double	والشطيعة الديسي	Anticidade of the	مشاسير زند		المستوال المستوالية	1	paradica de Secul. 2	Militie Shire
Dibromochloromethane	< 50. MCG/L										
2-Trichlorocusine	S 50 MCO/	المتخطيا الماريون	. Li ingli ingilis	المتعاقب فالمتعاقب		ideal delication		Ald recipied to the	Adapted State	والمالسان الأرافيات	And the second
Benzene	< 50. MCG/L							b.000 30000 4		2	
Transe   1-Dichloropropens	± ≤ so MCO/L	المسلفة عينا	وكناه والانتهاف	Jed by Abbad		حالطين الما					AND AND DESCRIPTION
Bromoform	< 50. MCG/L										
L-Methyl-2-Reptations (MIBK)	SO MCG/L		a describ	established	A STATE OF STREET	الأفلام والدوادة		Pid Bur Alich			فافتين وفقن
2-Hexanone (Methyl Butyl Ketone)	< 50. MCG/L							Service and an extension of the service of			Anna and an an Anna an Anna
Tetrecklereathene	E SO MCO/L	720 ئىسلىلىن	750 A 250	760		14.54	SSO	53 نظمہ البعد ہ	THE PERSON NAMED IN	ور کستی استان ا	38كلىكى ھوند
1,1,2,2-Tetrachloroethane	< 50. MCG/L										
Toluence	S 50 MCOALL	واعظام المالية المات	والقابط والكونة والمرازع		فسيال بالمراب	والأخلاصية			منعن معلقة. وك	A PART OF THE PART	profesional designations
Chlorobenzene	< 50. MCG/L					dentis of ministration					
Ethylbenzene	S 50 MCG/L	a a marketina de la compansión de la compansión de la compansión de la compansión de la compansión de la compa	L-sidledia.	عالانساق الكاند		المستعدد المالية	والمعادة فالتكا	مفعله مدين ينتفل			مستنبلي سمعت
Styrene	< 50. MCG/L										2000
Total Xylenes	< 50, MC0/L	Same Ash & M.			·	- New Albert L		a Section 19 and the Lates			
Data Qualifications		J,J	BJ,J	BJ,J	BJ,J	1,1	J	BJ,B1,J,BJ,J,J	B1,B1,J,J,J	BJ,BJ,J,J,J,	BJ,BJ,J,J

Note: Data qualifications are in the order that they appear on the data sheets

f \p\0266330\cmprds Page 3 of 5

J = Estimated Value B = Blank

Location: Roxy Cleaners Groundwater Treatment System

#0266330

Description: Roxy Air Stripper, 195 Main St., Wynantskill, COMBINED

Description: Roxy Air Stripper, 195 Ma	ain Si., wynantskii										
THE RESERVE OF THE PARTY OF THE	Maria La Constitución					a di bitobilira	itantiv (ele	AND THE SECOND THE AND AND AND AND AND AND AND AND AND AND	THE STATE OF THE S		200 (07)
en engeleenmunikele en		174784	第3/13/3/代	<b>教法/出籍</b>		10/3/3/1	以外,化量	EMM WAS BE	国际人人为 多数		\$110/X/4
Calebration of the Control of the Co	₹50-MOGALACTIE 14	er e letu	ners and elicity	No. of Street,							
Bromomethane	< 50. MCG/L										
Vinyl Chorice	< 50. MCG/L	district the state of	Advadisable in	SECRETARIAN			والتراجع والمالي				indicate and in
Chloroethane	< 50. MCG/L										
Methylene Chloride (Dichloromethane)	≤50 MCQ/Laintain	Landidie bla	Bei att fabrauffin	mile diame 12	2لاملىك فسنفعلان	10 استخمانات			الشفيسيين	national and a second	5
Acetone	< 50. MCG/L					84		31	30		
Carbon Disulfide	≤50, MCG/L	delicate di	in the Contracti	deredo distribut	area cambia.		e plika nastalisa	الم المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة المساحدة	accompanies 0.3	decire to the call	Maria la CLL
1,1-Dichloroethene	< 50. MCG/L										TARREST TO SECURITARISM SECTION SECTIO
1.1-Dichloroethene	≤ 50. MCG/L	La La Carta	idisella di		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				المعادي بسياستان		المساسية بالمعتالية
Cis/Trans-1,2-Dichloroethene (Total)	< 50. MCG/L	19	34	24		21	22		24		
Calorotom	< \$0. MCG/L		de la la la la la la la la la la la la la	Lablace		فانسون داد	4	بالتنجسية دن			STATE LABOR.
1,2-Dichloroethane	< 50. MCG/L										
2-Butanone (Methyl Ethyl Keytone)	< 50. MCG/L		is state white	STATE OF THE STATE	Line in State of State	i i i i i i i i i i i i i i i i i i i	وبالغنامة سانست	كالما المنطقة فالمالية	فالتراقي في الألي وم الأمواد		المتبحة المطفلان
1,1,1-Trichloroethane	< 50. MCG/L								·		
Carbon Tetrachloride	< 50, MCG/I	in a fairth	A contact and the		-	والشار سال سند	at his an arrange	فترف فللتوالد لكار	فألق عروف ويونونونون		intlanta da chado
Bromodichloromethane	< 50. MCG/L	<u></u>									AMARIAN SALAS SALA
2-Dichloropropene	≤ 50. MCG/L	reference described	rectifications	على المالية المالية	ينانية فللمستخلص المتارك	national and their	المراجع المستوالين	فالشرب لعاملته بالر	فالناف ووزور وبعاقتان		A Michigan Company
Cis-1,3 Dichloropropene	< 50. MCG/L						<u> </u>				
Trickleroethone	≤ \$0. MCG/L	14	S Land			3معريسي	4	2	العالم طابقه فالشيف	de la company 3	Machine 3
Dibromochloromethane	< 50. MCG/L										
11.2-Trichloroethane	< 50, MCG/L	Somethine day 25	u links hadible			in tracking			سأنك للجزا فيأحا أفاقت سائمان	فالشفر والتالي والمار	iilkiikiltieretiit.
Benzene	< 50. MCG/L							-			
Trans-13-Dichloropropene	≤ 50. MCG/L	A Salah Balanca	lateriiliks iida			and the state of the	بالقادة مستقرها	وعالقال الجناس			
Bromoform	< 50. MCG/L										
4-Methyl-2-Pentatone (MIBK)	< 50. MCG/L	A make more	Hard fete Cha	(a. La la la la la la la la la la la la la la	de la constantina	فالمطاعة المحام		المعالمة فأخاره فاللها	A STATE OF THE STA		
2-Hexanone (Methyl Butyl Ketone)	< 50. MCG/L				_						
Tetrachlerections	< 50, MCG/Line Hall date	760	960		SEC	\$50	630	010 بطناء يا يابط	370 الموسطانيات تكني	440	480
1,1,2,2-Tetrachloroethane	< 50. MCG/L										
Toluene La La Landa  < 50, MCG/L 4	mildest etc. Philos	decision tribulation in	ALLE ALLE VIEW		in it in a like	. E. SAN PILAN		ALCOHOLOGICA (O.)		Q. Caracas Co. R	
Chlorobenzene	< 50. MCG/L										
Ethylbenzene	< 50. MCG/L	dia	L. II safása		in an interior	in buconia	ell entire the	الطان والتراث والتراث		والمعالمة والمائدة والمائدة	يبا كافران هو و لا ماساداً
Styrene	< 50. MCG/L										
Total Xylenes	< 50. MCG/L	4 - 6 1 - 2 . 4 - 1		a Madada	vini le d'Act l'a	4 Louis at	witer the b	il il il in in in in in in in in in in in in in	ridak a ji Shakish adabi.		and translated the
Data Qualifications		Е	1,1	BJ,J,J	BJ,J,J	J,J,J	I,I	BJ,BJ,J,BJ,J	BJ,BJ,J,J,	B1,B1,1,1,1	BJ,BJ,J,J,

Note Data qualifications are in the order that they appear on the data sheets

Combined influent for 6/18,6/24, and 7/1 are for RW1 and RW3 only

f \pu0266330:cmpnds Page 4 of 5

J = Estimated Value B = Blank

## INOW YOLK State Department of Heart.

### Wadworth Center

### Results of Weekly Start-Up Monitoring Examination

Location: Roxy Cleaners Groundwater Treatment System

#0266330

Description: Roxy Air Stripper, 195 Main St., Wynantskill, EFFLUENT

Description. Roxy All Stripper, 175 Wa											
Large (Compand List)	Détection Limit	57-4-14 ±5/2/97-		25/20/974	11272747		tion(NGG) 64.00%	A Transmission of the second	10/27/025	4.44 miles 1277/1972	2/8/97
	KIO MCO/LI TOTAL FE	e selen	# 1 15 to 14 Ex			Apr. Sept. Da	1.27.4.130	pinks/sta	r i like k	\$2-4,640 <b>\$</b> 8	240 (12.86
Bromomethane	< 10. MCG/L		<u> </u>								
	SIO MCG/L	a laideal Mills	Joseph Land Line		PARTY OF STREET						
Chloroethane	< 10. MCG/L	Car contraction from the said	<u>, , , , , , , , , , , , , , , , , , , </u>								
Veiz-labore (Calconepas)	SIO MCG/L		J. Brandist.	A LONG TO STATE OF LABOR.	PER SERVICE ATE,	della de	A County To	The second	A CALLED	0.3	is als inne 0.
Acetone	< 10. MCG/L							:	2		
Carbon Displice is a state of the control of the co	SIO MCG/I WEST	ک تات ده	a literatura de la compansión de la comp	Literatur		mar makeliniki	an Kraper de de de la constant de la		be a second	بعالة إسطان والمحاسة	Maryers
1,1-Dichloroethene	< 10. MCG/L										
-Debloroethane	≤I0.MCG/L	فالإنداد المالية	Attended the state of the state	in a social	A Little Library		i i i i i i i i i i i i i i i i i i i	est armenina d		A AMELIKATION	distant in the
Cis/Trans-1,2-Dichloroethene (Total)	< 10. MCG/L					0.4	1			0.2	
Charles H. H. H. L.	≤I0 MCG/L	and the state of	Section Land	ada seka			Progress of		Section Established	An are designed.	AND ELECTION
1,2-Dichloroethane	< 10. MCG/L										
2-Battacee (Methy) Ethy (Keytone)	≤10 MCQ/L: Linus		(r) design (see	and the little special	Charles and the same of		LULE RES	1.00			allebor of Marke
1,1,1-Trichloroethane	< 10. MCG/L					<u> </u>					
CAN THE STATE OF T	SIO.MCG/L		a disability	والمشار اللغيام الم		Administration of				فنساعته بالجيراليا	nika magazini
Bromodichloromethane	< 10. MCG/L										
A STATE OF THE STA	SID MCO/L					a plant de la la la la la la la la la la la la la			والمرابط للتاريخ والمارية	فاللائلة فالسحوا	with the course to
Cis-1,3 Dichloropropene	< 10. MCG/L										
Treslation to the second secon	≤I0. MCG/Latert in the	In all the 18 sty.	إناسله فعسانو غن	field of states		A STATE	andrivani, addi			والمتعالمة	indicate in the
Dibromochloromethane	< 10. MCG/L							ļ			•
THE PERSON NAMED IN PARTY OF P	SIO MCG/L	الله فالم أو أو أو	, Links Control	AND RESIDENCE		and market in		and the second		A PARTY STATE	والمالية والمتعاقبة
Benzene	< 10. MCG/L										
Trans-19-Dishloropropent	SIO MCG/L	to an idea falls	والمالية المالية والمالية		عنظلا أمريانه	تطايعون		a desirable	فعاللك تدعلها سنفسل	والمنافقة والمنافقة أو	distribution
Bromotorm	< 10. MCG/L										<u></u>
4 Methy 5-Pentatone (MIBK)	≤I0.MCG/L		alitalishini.	ibile Letterin				تخاله فدالنا عمال		-	dia de la desta
2-Hexanone (Methyl Butyl Ketone)	< 10. MCG/L							***			
	<10 MCG/L		أ المال من المال	and the same		0 شنست	N. L. L. N.	المحالات المحادة		0.5	deileiteit 0.
1,1,2,2-Tetrachloroethane	< 10. MCG/L						1				
Tohless	SIOLMOG/Lindian	en sanktrenere									day in the C
Chlorobenzene	< 10. MCG/L										
Emybenzaes	SIO MOGAL	فأنا الداد	and a selled	التعائد المنطور	PARTIES AND			a hereat in the	A STATE OF THE	A SECTION AND A SECURITY AND ASSESSMENT	
Styrene	< 10. MCG/L										
Total Xylenes X 115 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SIO. MCG/L	e manalist.	· · · · · · · · · · · · · · · · · · ·	Control Attob	-vertebbie	مشاوعوا يدين	distriction de la constitución d			A LOCAL MATERIAL	anders de la
Data Qualifications	MG/L	1	1	1	1		1 1		1	1 1	<u> </u>
Total place for Solds and South Solds and Sold	MG/Liverage Action	376	Jan. 378	- idea (144 days) 270	ya Dani Dani 384	25 May 32	2 Line 10 10 10 10 10 10 10 10 10 10 10 10 10	44 24 X X X X X X X X X X X X X X X X X	S adalas de la constitución de la constitución de la constitución de la constitución de la constitución de la c	380	4.04.35
	MCG/L	18	13	72	33	1					1:
	MCQQ	20 ساسخت	29	20	20			و المعالمة المارية الم		30	2. المالية المالية
Data Qualifications		1,1,1,1	J	BJ	ВЈ	J,.	<b>J</b>	BJ,BJ,J,	J BJ,	ı Bi,i,i	BJ,J,
Note: Data qualifications are in the order that they appear	al 1. a h a.		200	3 5/20 5/27 6/2 4							

Note: Data qualifications are in the order that they appear on the data sheets.

J = Estimated Value B = Blank

TSS < 1on 5/2,5/13,5/20, 5/27, 6/3, 6/10, 7/1,7/8

LEAD < 20 on 5/2, 5/13, 5/20, 5/27, 6/3, 6/10, 6/24, 7/1,7/8

Effluent for 6/18, 6/24, 7/1 and 7/8 are for RW1 and RW3 only

Page 5 of 5

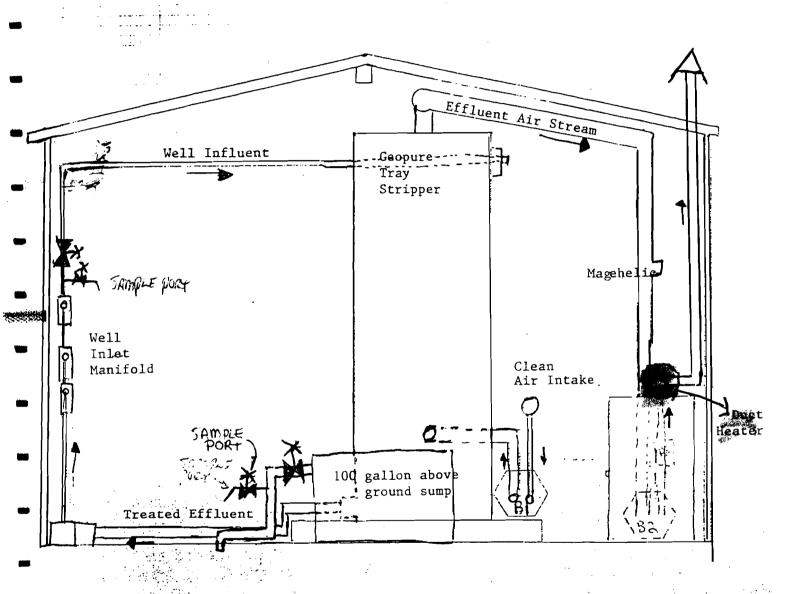
APPENDIX C

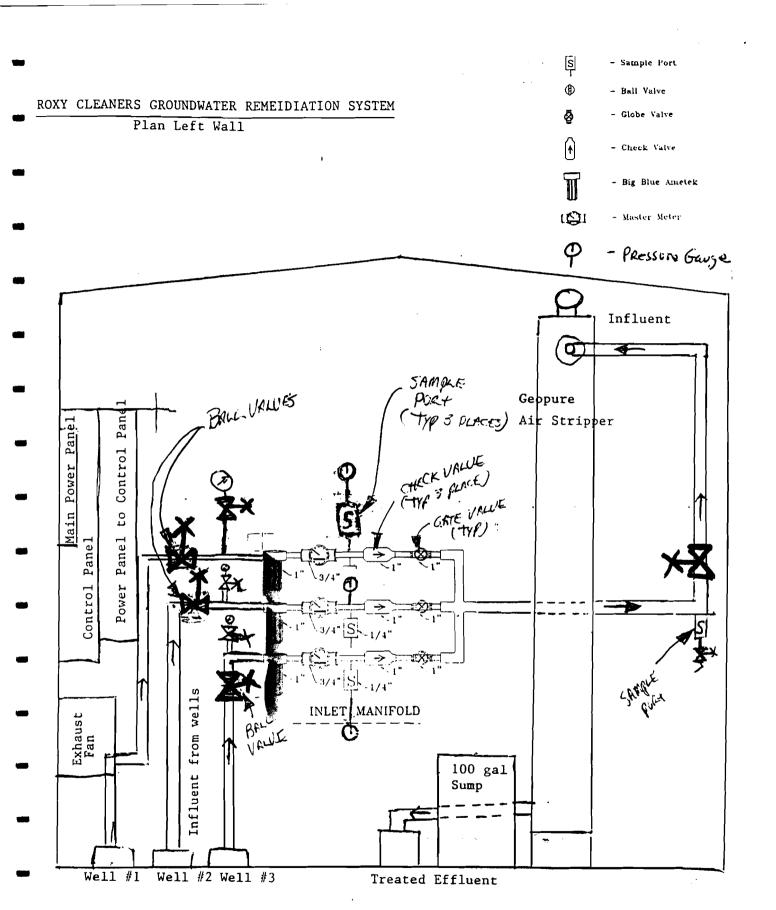
Record Drawings

# CONTRACTOR'S AS-BUILT SKETCHES

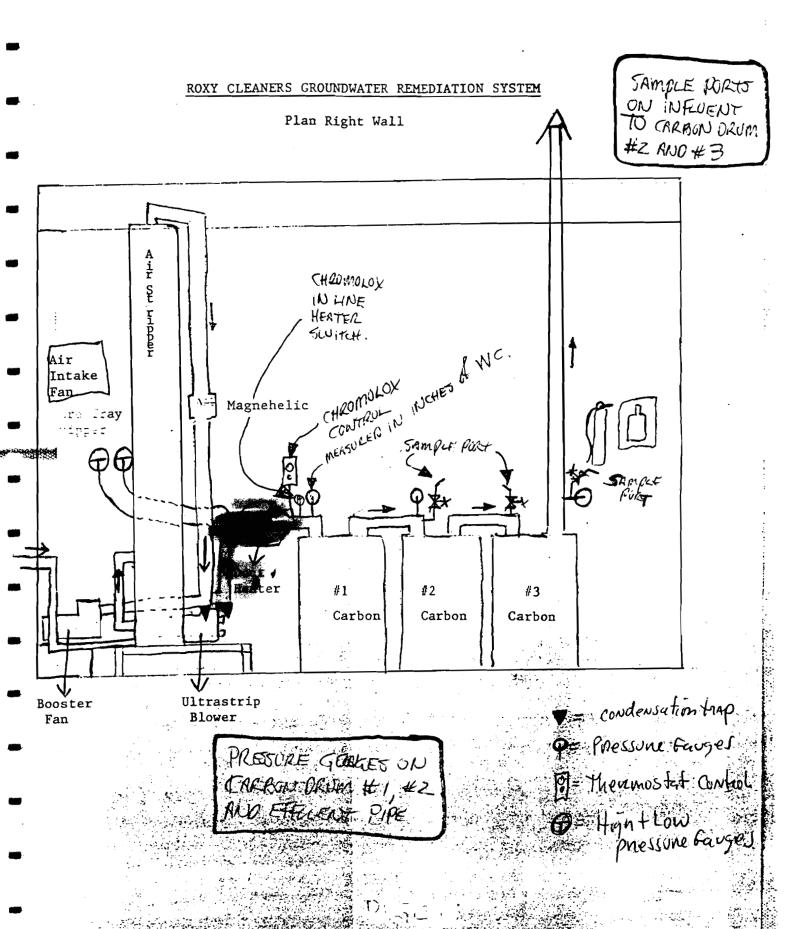
### ROXY CLEANERS GROUNDWATER REMEDIATION SYSTEM

Front View Plan



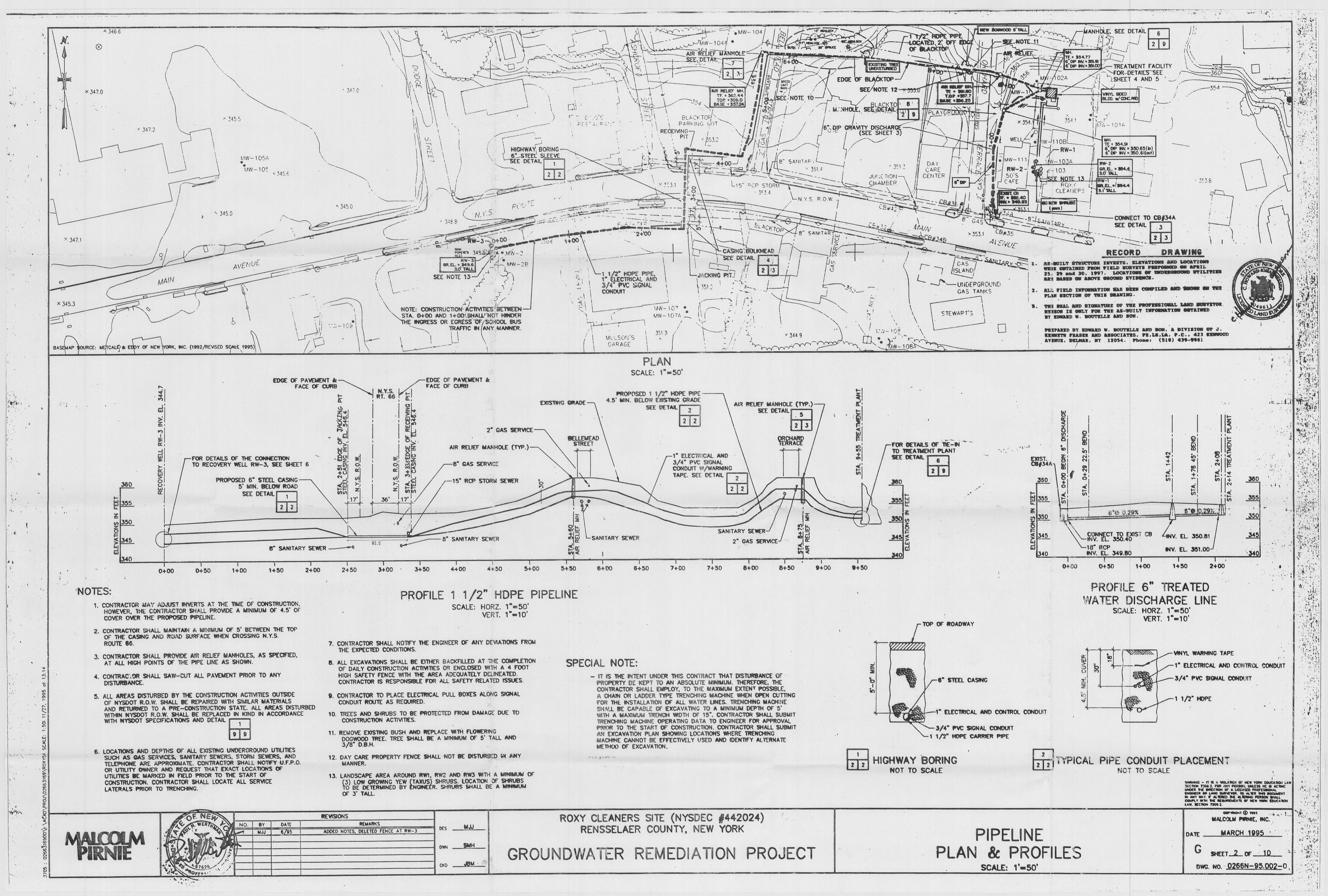


AGO CUECTAVIT CTREET DO DOVIGO NEWTON URBER EAU C MA COMA COT COO COTT



ENVIRONMENTAL WASTE TECHNOLOGY, INC.

1039 CHESTNUT STREET P.O. BOX 38 NEWTON UPPER FALLS, MA 02164 - 617 332-2877



APPENDIX D

**Bid Tabulation** 

			11-240	01-10	D-9U	Ç	Ş	7	Ç,	UP-1.3	7	UP-6.	LS:-7	9-51	LS-5	FS.4	- S-3	5.2	LS-1		Bid rem						UP-10	8-40	UP-5	무		GF-1.3	UP-1.2	UP-1.1	<u>رجا</u>	, S C C C C C C C C C C C C C C C C C C C		LS:3	LS-2	1-81	Bid item	~	CIE U		YXCB
Pollution Liability Ins.			Site Services	Health and Safety	Select Fill	Air Kelet Manhcles	Precast Manholes	Casing under it. 66	HOCK EXCEVEDION	6 Decharge Pipe			Vapor Phase Carton	Mob./Demob.	hshu. & Alarms	Electrical Work	Well Pumps	Treamant Equip.	Treatment Building		n Description		Pollution Liability ins.			SECIVIOR BILC	_	+	Air Relief Manholes	Precasi Manholes	Rock Excavation			-	Vanor Phase Certon	Mot Change	Electrical Work	Well Pumps	Treatment Equip.		Description		Theyen I-10-Eo	RICE Opered 1.18 CS	LANCOS CONTRA
			deys	day's	C.Y.	ench	Bach	1.5	ic.Y.	Î.F.	L.F.	15	Ls	LS.	L.S.	LS	LS.	LS	LS.	-	Unit Q					Idaya	days	C.Y	each	each	C.Y		[. ;		77 6	n și	, ķ,	ķ	L.S.	_	Uni: O		log John Uninin	THE PLANTS	אזכם סכו
		-	50	36	ŝ	-	-	90	ō	214	200	26		-1	1	1	1	1 2	11	~~· .	U AINO	Mai		Total	-	l B	8		2	2) 8	3 5	214		\$ \$	-			1	5		YENO	E	ואנחנות	TOWN TON	NULLVALL
		-	\$B2.75	\$80.00	\$1000	\$3,710.00	\$2,915.00	\$554.00	\$100.00		Г	Γ	\$5,630.00	\$14.850.00	\$4,000,00	\$12,000.00	\$19.375.0Q	\$38,700.00	\$31,600,00		Unui Cost	Maine Environmental				\$66.00	\$200.00	\$13.00	\$2,000.00	\$2,000.00	£50.00	£20.00	\$18.00	\$20.00	52 450 00 F	\$11,000,00	\$26,000.00	\$14,500.00	\$42,600,00	\$25,000.00	Unit Cost	ENGINEER'S EST	<u> </u>	SIENO. 4	211212
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