

Site Investigation / Remedial Alternatives Report for 153 Fillmore Avenue City of Tonawanda, New York

Prepared for:

City of Tonawanda
200 Niagara Street
Tonawanda, New York 14150

Prepared by:

URS Corporation
282 Delaware Avenue
Buffalo, New York 14202

New York State Department of Environmental Conservation

April 2002

☒ Approved ☐ Approved with Conditions ☐ Resubmit With Revisions ☐ Disapproved

COMMISSIONER OF ENVIRONMENTAL CONSERVATION

Daniel K. King

Designated Representative

Date *MAY 1, 2002*

**SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT FOR
153 FILLMORE AVENUE
TONAWANDA, NEW YORK**

Prepared for:

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200 NIAGARA STREET
TONAWANDA, NEW YORK 14150**

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**URS CORPORATION
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BUFFALO, NEW YORK 14202**

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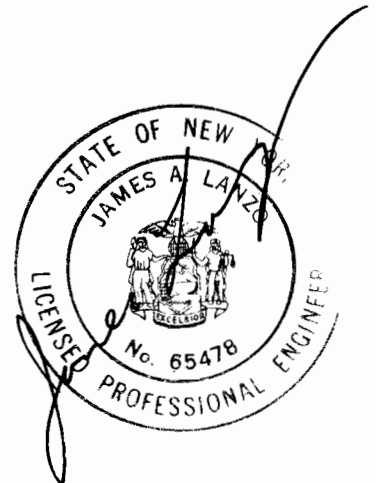


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1.0 INTRODUCTION

1.1 General

The City of Tonawanda (City) currently owns a 1.7 acre abandoned industrial facility at the intersection of Fillmore Avenue and Freemont Street in the City of Tonawanda (Figure 1-1). The City has entered into a Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate the site, as necessary, to allow redevelopment.

1.2 Purpose

Under terms of the VCA, the City completed closure of several underground storage tanks (USTs) on site and completed site investigation (SI) activities to delineate the nature and extent of contamination on the site. Based on the results of the SI and UST closures various remedial alternatives were developed and subsequently evaluated. A remedy for the site was then selected from these alternatives.

The purpose of this report is to present a summary of the UST closure and SI activities, development of the remedial alternatives, and the rationale for selection of a preferred alternative.

1.3 Organization of This Report

This report is divided into ten major sections:

Section 1.0	Provides an introduction to the project
Section 2.0	Presents a brief history of operations conducted at the site and a description of the site
Section 3.0	Summarizes the field activities associated with closure of the three USTs on-site

Section 4.0	Provides an overview of the Asbestos survey conducted for the buildings on-site
Section 5.0	Presents a brief description of demolition activities conducted at the site to date
Section 6.0	Summarizes the site investigation activities conducted for the project
Section 7.0	Discusses the results of the site investigation including the nature and extent of contamination
Section 8.0	Presents conclusions regarding site contamination based on the UST closure and site investigation activities
Section 9.0	Identifies potential remedial alternatives that might be employed at the site
Section 10.0	Provides a detailed analysis of the various alternatives and presents a preferred alternative

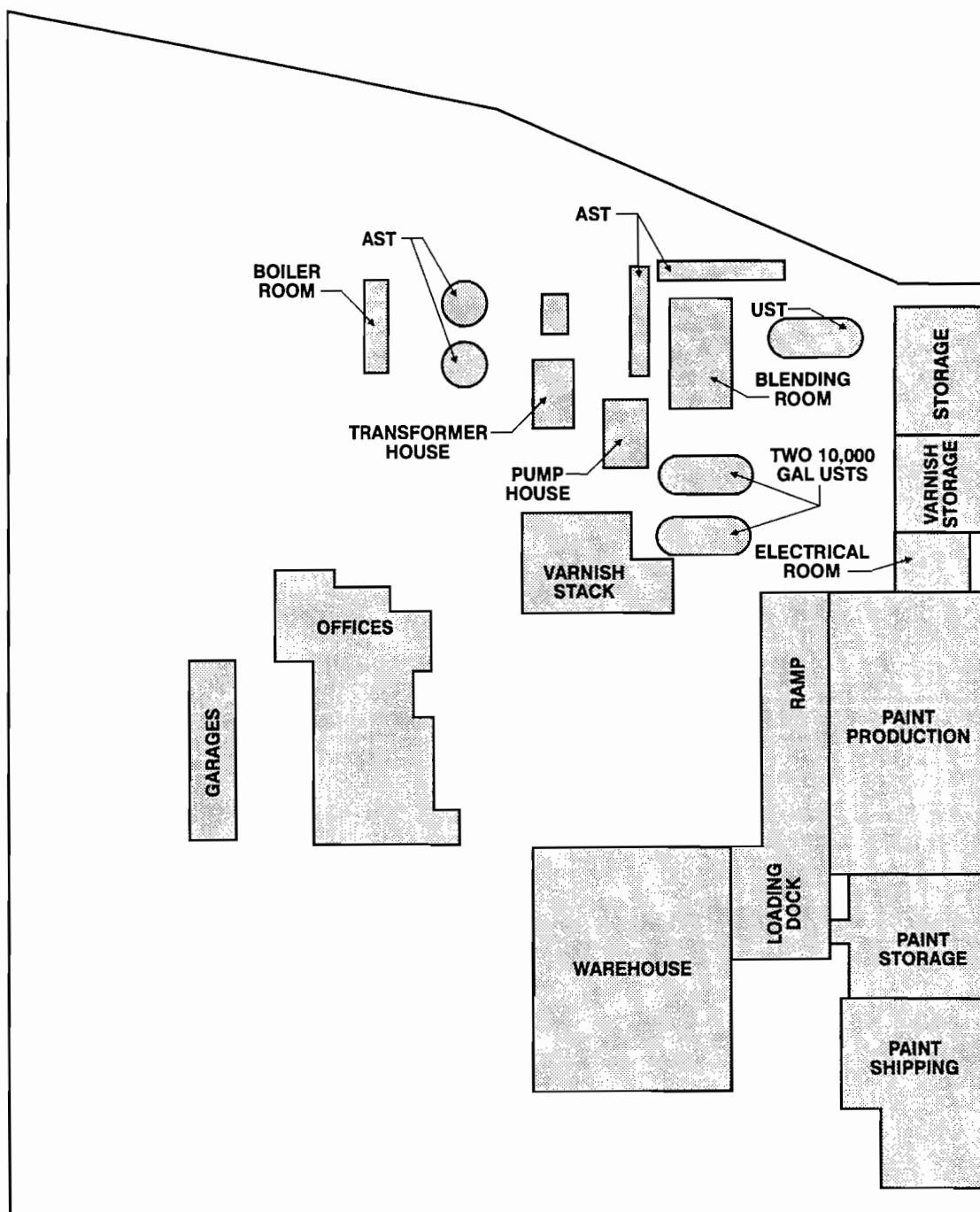
2.0 SITE HISTORY AND DESCRIPTION

The site is located at the intersection of Fillmore Avenue and Freemont Street in the City of Tonawanda and is presently an abandoned industrial facility (Figure 1-1). The 1.7-acre parcel is bounded on the east by an active railroad line, to the north and south by small commercial/industrial operations, and on the west by Fillmore Avenue. The subject property is located in a small industrial area adjacent to a residential neighborhood.

City directories for the period 1946 to 1957 list Tonawanda Roofing and Paint Company at 141 Fillmore (adjacent property immediately north of site) and National Manufacturing Corporation at 153 Fillmore under *Roofing Materials and Supplies*. This is consistent with reports from local workers in the area that roofing materials were produced at the National Manufacturing Site and installed by Tonawanda Roofing and Paint. This is further supported by the presence of four large ASTs and associated piping on the site that contain heavy, viscous, tar-like material.

In 1957, the National Manufacturing Corporation added paint manufacturing facilities at the subject property. Raw materials for paint production were shipped to the facility in bulk and were stored in above-ground storage tanks (ASTs) located in the tank rooms or underground storage tanks (USTs). The raw materials were transferred from the tank rooms to the manufacturing room where the paint was produced. The finished paint was then transferred to the warehouse where it was stored prior to shipment. The general layout of the facility is shown in Figure 2-1. National Manufacturing Corporation closed the facility in 1981.

In 1981, Envirotek Ltd, a solvent recycling company, reopened the facility as a Resource Conservation and Recovery Act (RCRA) treatment, storage, and disposal (TSD) facility. Containers of RCRA hazardous wastes were transported to the facility where they were stored pending reshipment to a RCRA disposal facility. Containers of RCRA characteristic ignitable, corrosive, and toxic hazardous wastes were stored at the facility from 1981 to 1986. A number of containers were left at the facility when Envirotek Ltd abandoned the facility in 1988.



FILLMORE AVENUE

NYSDEC contacted the United States Environmental Protection Agency (USEPA) concerning the subject property on June 29, 1987. The USEPA conducted a preliminary assessment (PA) under the Comprehensive Environmental Response, Compensation and Liabilities Act (CERCLA) on November 29-30, 1988 to determine if the subject property should be included on the National Priority List (NPL). The PA disclosed that an estimated 770 55-gallon drums and 1,000 smaller containers of RCRA flammable, combustible, and corrosive hazardous wastes were present at the subject property. Several process vessels, four large ASTs, two USTs and six transformers were also present at the subject property.

On July 18, 1989 the USEPA initiated remedial action activities at the site. These initial remedial action activities were completed on October 15, 1990, and included:

- the identification and categorization of all RCRA hazardous wastes;
- repackaging of 31,165 gallons of liquids and 11,655 pounds of solids and shipping off-site for incineration;
- repackaging 204 cubic yards of solids and shipping off-site for land disposal; and,
- repackaging 61,975 pounds of solids and shipping off-site for recycling.

A summary of the remedial action activities are presented in a report entitled, "Federal On-Scene Coordinator's Report – Envirotek 1, Tonawanda, Erie County, New York", prepared by Roy F. Weston, Inc. and dated November 1990. A copy of the report is in Appendix A.

The NYSDEC conducted a limited site investigation in November 1997. This investigation was intended to determine if the site posed a significant threat to human health or the environment. This investigation consisted of the collection of 5 surface water/sediment samples from Ellicott Creek and 8 surface soil samples from the site with analysis for Target Compound List (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides/polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals plus cyanide.

The results of this investigation indicated no impairment of the Creek sediments or surface waters associated with the site. Surface soils at the site showed exceedances of NYSDEC soil cleanup objectives for SVOCs (mostly carcinogenic polynuclear aromatic hydrocarbons (PAHs)), PCBs and numerous metals. The highest levels were observed in the northeast corner of the site. The results of this investigation are summarized in a letter report prepared by the NYSDEC (Appendix A).

3.0 UNDERGROUND STORAGE TANK CLOSURE

3.1 General

As part of the VCA the underground storage tanks (USTs) previously identified at the site were to be removed and properly disposed. This work was conducted during the period of January 30 to March 30, 2001. The UST removal was performed by Elmwood Tank & Piping Corporation (Elmwood) of Tonawanda, New York under contract to URS. Oversight of the work and confirmatory sampling was provided by personnel from URS. The work was performed in accordance with the NYSDEC – approved, “Underground Storage Tank System Removal Work Plan,” prepared by URS, dated December 2001.

Two USTs (i.e. UST-1 and UST-2) had been identified during previous investigations in the ‘courtyard’ area north of Buildings I and J (Figure 3-1). However, a third UST (UST-3) located between Buildings J and H (Figure 3-1) was discovered shortly after the field work was initiated. Prior to removal of the USTs, an attempt was made to sample the contents of all three tanks. However, it was only possible to obtain a sample from UST-1 wherein the vent pipe had been broken off at the point where it connects to the top of the tank. This allowed a bailer to be inserted directly into the tank. The vent pipe on UST-2 contained numerous 90° elbows which prevented sampling through the pipe. Additionally, the vent pipe on UST-3 was bent and crushed so that a bailer couldn’t be inserted. The sampling conducted on UST-1 indicated that the tank was full of liquid. The upper 18 inches consisted of a mixture of highly volatile organic solvents. The remainder of the tank appeared to be full of water.

The liquid sample from UST-1 was submitted for analysis of TCL VOCs, SVOCs and PCBs. The results, which are in Appendix B-1 and summarized in Table 3-1, indicated very high concentrations of organic solvents (i.e. methyl ethyl ketone (MEK), benzene, toluene, ethylbenzene, xylene, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, sec-butylbenzene and isopropyltoluene). No SVOCs or PCBs were detected in the sample.

TABLE 3-1
SUMMARY OF DETECTED ANALYTES IN WASTE SAMPLES
153 FILLMORE AVE

Location ID		AST-1	SOIL STOCKPILE	SOIL STOCKPILE	SOIL STOCKPILE	SOIL STOCKPILE
Sample ID		FA-010813-1	JX-SOIL	SP-1	SP-2	SP-3
Matrix		Liquid Waste	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/13/01	02/14/01	03/05/01	03/06/01	03/06/01
Parameter	Units					
Volatiles						
1,2,4-Trimethylbenzene	UG/KG	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	UG/KG	NA	NA	NA	NA	NA
2-Butanone (MEK)	UG/KG	NA	NA	NA	NA	NA
4-Isopropyltoluene	UG/KG	NA	NA	NA	NA	NA
Benzene	UG/KG	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	NA	NA	NA	NA	NA
m&p-Xylene	UG/KG	NA	NA	NA	NA	NA
n-Propylbenzene	UG/KG	NA	NA	NA	NA	NA
o-Xylene	UG/KG	NA	NA	NA	NA	NA
sec-Butylbenzene	UG/KG	NA	NA	NA	NA	NA
Toluene	UG/KG	NA	NA	NA	NA	NA
TCLP Volatiles						
2-Butanone (MEK)	UG/L	NA				
Benzene	UG/L	NA			50	17 J
Vinyl chloride	UG/L	NA				
TCLP Semivolatiles						
Pyridine	UG/L	NA				
Total cresols	UG/L	NA				14 J
PCBs						
Aroclor 1260	UG/KG		NA	210		
TCLP Metals						
Barium	UG/L	NA	1,900	1,530	1,030	1,080
Lead	UG/L	NA	849	126	113	

Flags assigned during chemistry validation are shown.

NA - Not analyzed

Only Detected Results Reported.

Advanced Selection: TABLE 3-1 (2 OF 2)

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[MATRIX] = 'LW' OR [MATRIX] = 'SL' OR [MATRIX] = 'ST' OR ([MATRIX] = 'SO' AND [LOCID] = 'SOIL STOCKPILE')

TABLE 3-1
SUMMARY OF DETECTED ANALYTES IN WASTE SAMPLES
153 FILLMORE AVE

Location ID		AST-1	SOIL STOCKPILE	SOIL STOCKPILE	SOIL STOCKPILE	SOIL STOCKPILE
Sample ID		FA-010813-1	JX-SOIL	SP-1	SP-2	SP-3
Matrix		Liquid Waste	Soil	Soil	Soil	Soil
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/13/01	02/14/01	03/05/01	03/06/01	03/06/01
Parameter	Units					
RCRA Characteristics						
Ignitability	DEG F	> 200	> 200	> 200	> 200	> 200
pH	PH UNITS	NA	7.57	8.08	7.92	7.95

Flags assigned during chemistry validation are shown.

- Not analyzed

Only Detected Results Reported.

Advanced Selection: TABLE 3-1 (2 OF 2)

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[MATRIX] = 'LH' OR [MATRIX] = 'SL' OR [MATRIX] = 'ST' OR ([MATRIX] = 'SO' AND [LOCID] = 'SOIL STOCKPILE')

TABLE 3-1
SUMMARY OF DETECTED ANALYTES IN WASTE SAMPLES
153 FILLMORE AVE

Location ID		SPENT CARBON	UST 1&2	UST-1
Sample ID		DRUM-CARBON	UST-SLUDGE	UST-1
Matrix		Solid Waste	Sludge	Liquid Waste
Depth Interval (ft)		-	-	-
Date Sampled		03/09/01	03/09/01	11/16/00
Parameter	Units			
Volatiles				
1,2,4-Trimethylbenzene	UG/KG	NA	NA	6,660,000
1,3,5-Trimethylbenzene	UG/KG	NA	NA	5,150,000
2-Butanone (MEK)	UG/KG	NA	NA	1,720,000 J
4-Isopropyltoluene	UG/KG	NA	NA	344,000
Benzene	UG/KG	NA	NA	247,000 J
Ethylbenzene	UG/KG	NA	NA	6,070,000
Isopropylbenzene	UG/KG	NA	NA	1,540,000
m&p-Xylene	UG/KG	NA	NA	73,700,000 D
n-Propylbenzene	UG/KG	NA	NA	1,340,000
ylene	UG/KG	NA	NA	15,200,000 D
sec-Butylbenzene	UG/KG	NA	NA	132,000 J
Toluene	UG/KG	NA	NA	1,680,000
TCLP Volatiles				
2-Butanone (MEK)	UG/L	556 J		NA
Benzene	UG/L	11 J	32 J	NA
Vinyl chloride	UG/L	25 J		NA
TCLP Semivolatiles				
Pyridine	UG/L	8 J	8 J	NA
Total cresols	UG/L		2 J	NA
PCBs				
Aroclor 1260	UG/KG	NA	NA	
TCLP Metals				
Barium	UG/L	NA	NA	NA
Lead	UG/L	NA	NA	NA

Flags assigned during chemistry validation are shown.

- Not analyzed

Only Detected Results Reported.

Advanced Selection: TABLE 3-1 (2 OF 2)

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TABLE 3-1
SUMMARY OF DETECTED ANALYTES IN WASTE SAMPLES
153 FILLMORE AVE

Location ID		SPENT CARBON	UST 1&2	UST-1
Sample ID		DRUM-CARBON	UST-SLUDGE	UST-1
Matrix		Solid Waste	Sludge	Liquid Waste
Depth Interval (ft)		-	-	-
Date Sampled		03/09/01	03/09/01	11/16/00
Parameter	Units			
RCRA Characteristics				
Ignitability	DEG F	NA	127	NA
pH	PH UNITS	NA	NA	NA

Flags assigned during chemistry validation are shown.

- Not analyzed

Only Detected Results Reported.

Advanced Selection: TABLE 3-1 (2 OF 2)

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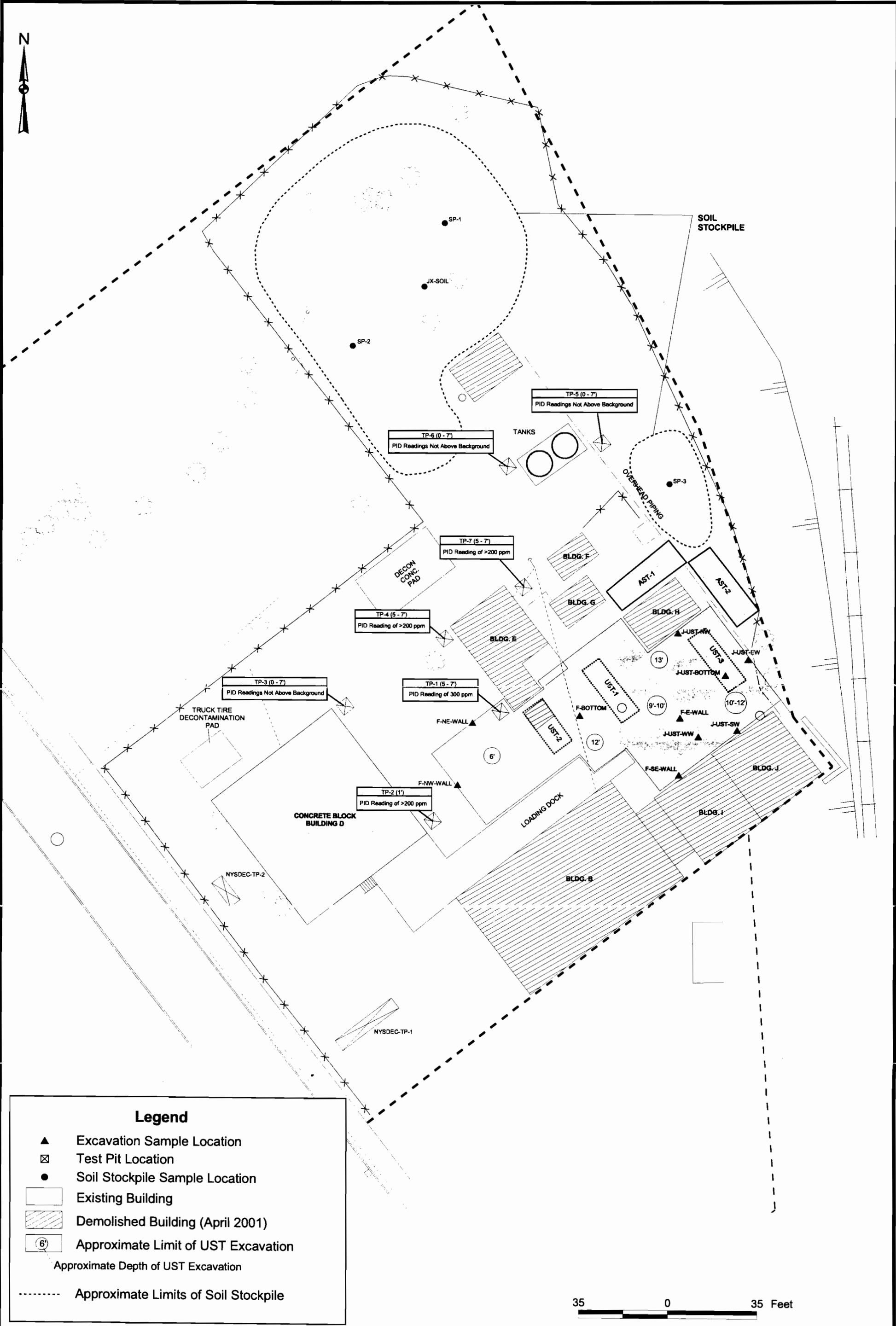
[MATRIX] = 'LH' OR [MATRIX] = 'SL' OR [MATRIX] = 'ST' OR ([MATRIX] = 'SO' AND [LOCID] = 'SOIL STOCKPILE')

TABLE 3-1
SUMMARY OF DETECTED ANALYTES IN WASTE SAMPLES
153 FILLMORE AVE

Location ID		UST 1&2	UST 1&2	UST-1	UST-2
Sample ID		JX-Water	BT2-TGW	BLDG-E-E-UST	BLDG-E-W-UST
Matrix		Untreated Water	Treated Water	Tank Water	Tank Water
Depth Interval (ft)		-	-	-	-
Date Sampled		02/05/01	02/09/01	02/06/01	02/06/01
Parameter	Units				
Volatiles					
1,2-Dichloroethane	UG/L				27 J
Benzene	UG/L	12		34 J	1,110
Ethylbenzene	UG/L	811 D		116	1,650
m&p-Xylene	UG/L	4,720 D		815	19,800 D
Methylene chloride	UG/L		9.3		
o-Xylene	UG/L	1,050 D		477	3,740 D
Toluene	UG/L	163		275	1,600
trans-1,2-Dichloroethene	UG/L	6			
Vinyl chloride	UG/L	45			

Flags assigned during chemistry validation are shown.

Only Detected Results Reported.



Additionally, digging around the vent pipe on UST-1 with a shovel indicated that the solvents had leaked from the broken vent pipe into the soils surrounding the USTs. Readings taken with a photoionization detector (PID) in the shallow excavation around the vent pipe and in the breathing zone were significantly elevated (i.e. several thousand ppm).

3.2 UST Excavation

Based on the elevated level of VOCs observed in the soils around the USTs, all removal activities were performed in Level B (i.e. supplied air) personal protection.

Excavation of UST-3 was initiated first. Soil was removed to expose the tank which was secured with concrete deadmen. As the excavation was deepened below about three feet the excavation filled with groundwater. The groundwater subsequently was pumped into a 20,000 gallon Baker tank so that the concrete could be broken up to free the tank for removal. A total of about 18,600 gallons of solvent-contaminated groundwater was pumped into the Baker tank. The 10,000 gallon UST (26'4" long X 8 ft diameter) was removed and placed on the decontamination pad for cleaning. The tank was opened and purged with CO₂ prior to cutting the tank open. The UST was empty, dry and contained only a small amount of 'scale' on the inside walls. There were no visible holes in the tank. The tank walls were scraped manually and the scale placed in a 5-gallon drum pending analysis and disposal. Following cleaning, the tank was transported to Lake Erie - Levin Recycling in Tonawanda, NY as scrap steel.

Soils around the tank and the groundwater that collected in the excavation exhibited elevated PID readings indicative of VOC contamination. The excavation was continued north and south until the foundations of Buildings H and J respectively, prevented further excavation. To the east, the excavation extended to the fence line at the base of the railroad embankment. To the west, the excavation was stopped before UST-1 was encountered. Soil removal was continued to depths of about 10-12 feet. The limits/depths of excavation are shown in Figure 3-1.

Groundwater was pumped into the Baker tank as necessary to allow the excavation to be completed and confirmatory samples to be collected from the sidewalls and bottom of the excavation following tank removal. Four composite soil samples (J-UST-NW, -EW, -SW, and -WW) were collected from the sidewalls (i.e. one from each wall) and one composite sample was collected from the bottom of the excavation (i.e. J-UST-BW). These samples were submitted to a NYSDOH-certified laboratory for analysis of the NYSDEC Spill Technology and Remediation Series (STARS) list of VOCs and SVOCs. The results are in Appendix B-2 and summarized in Table 3-2. The sampling locations are shown in Figure 3-1.

Following removal of UST-3 and excavation of the contaminated soil around the tank, the excavation was filled with bank-run gravel to the original ground surface. During backfilling, two four inch diameter PVC pipes equipped with 5-foot long slotted screen sections, were installed at the north and south ends of the excavation to allow monitoring of water levels. The bottom of the screens were set at the base of the excavation (approximately 10-12 feet).

Following completion of UST-3 closure, the soil was removed to expose UST-1 and UST-2. Neither tank was equipped with tiedowns. Consequently, the tanks were opened to allow the liquids to be removed prior to pulling the tanks. Initially, about 4,100 gallons of product (mixed solvents) were vacuumed from UST-1 by Frank's Vacuum Service of Niagara Falls, NY. Previous analysis (Table 3-1) indicated that this product was hazardous based on ignitability. Therefore, the applicable hazardous waste manifest was prepared for transport and disposal of the product at Hukill Chemical Co. in Bedford, OH. The waste manifest is in Appendix C. The remaining liquids (about 23,000 gallons) from the two tanks (primarily groundwater) were pumped to the Baker tank for onsite treatment. The USTs subsequently were removed and placed on the decontamination pad where they were purged, opened and cleaned. Examination of the cleaned tanks indicated numerous small pinholes in both tanks. Following cleaning the tanks were transported to Lake Erie - Levin Recycling as scrap steel. Two 55-gallon drums of 'tank bottoms' were generated from the cleaning. Waste characterization analysis of a composite sample of the sludges from UST-1 and 2 (drum-sludge), which are in Appendix B-1 and summarized in Table 3-1, indicated that these sludges are hazardous. The applicable hazardous waste manifests were prepared and the waste transported offsite and disposed at Hukill Chemical Company in Bedford, Ohio. The waste manifests are in Appendix C.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			F-BOTTOM	F-E-WALL	F-NE-WALL	F-NW-WALL	F-SE-WALL
Sample ID			F-BOTTOM	E-WALL	NE-WALL	NW-WALL	SE-WALL
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/26/01	02/27/01	02/27/01	02/26/01	02/27/01
Parameter	Units	Criteria*					
Volatiles							
Acetone	UG/KG	200	130	180	47		
Benzene	UG/KG	60		1			150
Ethylbenzene	UG/KG	5500				830	6,600
m&p-Xylene	UG/KG	1200	200			890	24,000
Methylene chloride	UG/KG	100		11	9	31	
o-Xylene	UG/KG	1200	85			190	1,200
Semivolatiles							
2-Methylnaphthalene	UG/KG	36400	89 J		1,200	630 J	15,000
Acenaphthene	UG/KG	50000			450	1,400 J	2,000 J
Anthracene	UG/KG	50000	120 J		230 J	3,600	
Benzo(a)anthracene	UG/KG	224 or MDL	68 J		220 J	2,700	
Benzo(a)pyrene	UG/KG	61 or MDL			180 J	1,900	
Benzo(b)fluoranthene	UG/KG	1100				2,200	
Benzo(g,h,i)perylene	UG/KG	50000			90 J		
Benzo(k)fluoranthene	UG/KG	1100					
bis(2-Ethylhexyl)phthalate	UG/KG	50000		580	410		
Carbazole	UG/KG	-	150 J				
Chrysene	UG/KG	400			210 J	1,900	
Dibenzofuran	UG/KG	6200			240 J	1,600	2,300 J
Fluoranthene	UG/KG	50000	250 J		540	7,000	
Fluorene	UG/KG	50000	89 J		330	2,100	2,100 J
Indeno(1,2,3-cd)pyrene	UG/KG	3200				1,100 J	

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

MDL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			F-BOTTOM	F-E-WALL	F-NE-WALL	F-NW-WALL	F-SE-WALL
Sample ID			F-BOTTOM	E-WALL	NE-WALL	NW-WALL	SE-WALL
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/26/01	02/27/01	02/27/01	02/26/01	02/27/01
Parameter	Units	Criteria*					
Semivolatiles							
Naphthalene	UG/KG	13000	310		1,700	1,400 J	51,000
Phenanthrene	UG/KG	50000	370		830	10,000	2,900 J
Pyrene	UG/KG	50000	180 J		450	5,600	
Metals							
Aluminum	MG/KG	SB	NA	NA	NA	NA	NA
Antimony	MG/KG	-	NA	NA	NA	NA	NA
Arsenic	MG/KG	7.5 or SB					
Barium	MG/KG	300 or SB	20.1	155	59.9	74.7	71.8
Beryllium	MG/KG	-	NA	NA	NA	NA	NA
Cadmium	MG/KG	1 or SB					
Calcium	MG/KG	SB	NA	NA	NA	NA	NA
Chromium	MG/KG	10 or SB	5.8	19.9	7.8	11.9	16.9
Cobalt	MG/KG	30 or SB	NA	NA	NA	NA	NA
Copper	MG/KG	25 or SB	NA	NA	NA	NA	NA
Iron	MG/KG	2000 or SB	NA	NA	NA	NA	NA
Lead	MG/KG	400 **	12.2	17.4	50.9	5.9	29.6
Magnesium	MG/KG	SB	NA	NA	NA	NA	NA
Manganese	MG/KG	SB	NA	NA	NA	NA	NA
Mercury	MG/KG	0.1		0.070			0.10
Nickel	MG/KG	13 or SB	NA	NA	NA	NA	NA
Potassium	MG/KG	SB	NA	NA	NA	NA	NA
Sodium	MG/KG	SB	NA	NA	NA	NA	NA

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

DL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			F-BOTTOM	F-E-WALL	F-NE-WALL	F-NW-WALL	F-SE-WALL
Sample ID			F-BOTTOM	E-WALL	NE-WALL	NW-WALL	SE-WALL
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/26/01	02/27/01	02/27/01	02/26/01	02/27/01
Parameter	Units	Criteria*					
Metals							
Vanadium	MG/KG	150 or SB	NA	NA	NA	NA	NA
Zinc	MG/KG	20 or SB	NA	NA	NA	NA	NA

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

IDL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			J-UST-BOTTOM	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Sample ID			J-UST-BW	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			11.5-12.0	4.0-5.0	4.0-5.0	4.0-5.0	4.0-5.0
Date Sampled			02/01/01	02/01/01	02/01/01	02/01/01	02/01/01
Parameter	Units	Criteria*					
Volatiles							
Acetone	UG/KG	200	35		36		110
Benzene	UG/KG	60					
Ethylbenzene	UG/KG	5500				1,700	
m&p-Xylene	UG/KG	1200	10			10,000	
Methylene chloride	UG/KG	100		7			
o-Xylene	UG/KG	1200				1,200	
Semivolatiles							
2-Methylnaphthalene	UG/KG	36400				81 J	
Acenaphthene	UG/KG	50000				1,400	
Anthracene	UG/KG	50000				1,000	
Benzo(a)anthracene	UG/KG	224 or MDL				830	
Benzo(a)pyrene	UG/KG	61 or MDL				950	
Benzo(b)fluoranthene	UG/KG	1100				820	
Benzo(g,h,i)perylene	UG/KG	50000				320	
Benzo(k)fluoranthene	UG/KG	1100				380	
bis(2-Ethylhexyl)phthalate	UG/KG	50000					
Carbazole	UG/KG	-					
Chrysene	UG/KG	400				690	
Dibenzofuran	UG/KG	6200				260 J	
Fluoranthene	UG/KG	50000				1,200	
Fluorene	UG/KG	50000				680	
Indeno(1,2,3-cd)pyrene	UG/KG	3200				300	

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

MDL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			J-UST-BOTTOM	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Sample ID			J-UST-BW	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			11.5-12.0	4.0-5.0	4.0-5.0	4.0-5.0	4.0-5.0
Date Sampled			02/01/01	02/01/01	02/01/01	02/01/01	02/01/01
Parameter	Units	Criteria*					
Semivolatiles							
Naphthalene	UG/KG	13000				310	
Phenanthrene	UG/KG	50000				3,200	
Pyrene	UG/KG	50000				3,100	
Metals							
Aluminum	MG/KG	SB	7,930	4,970	6,330	4,790	6,820
Antimony	MG/KG	-				6.3	
Arsenic	MG/KG	7.5 or SB	4.8	2.5	2.7	2.4	2.2
Barium	MG/KG	300 or SB	52.5	30.8	40.4	61.0	74.4
Beryllium	MG/KG	-	0.41	0.24	0.31	0.28	0.37
Cadmium	MG/KG	1 or SB				0.87	
Calcium	MG/KG	SB	70,900	53,400	68,900	67,900	2,150
Chromium	MG/KG	10 or SB	10.4	7.2	8.1	8.5	9.3
Cobalt	MG/KG	30 or SB	8.4	5.6	7.2	6.2	5.1
Copper	MG/KG	25 or SB	27.3	16.1	18.4	22.4	14.1
Iron	MG/KG	2000 or SB	20,900	11,900	15,500	10,900	14,400
Lead	MG/KG	400 **	13.8	7.5	7.9	77.7	14.9
Magnesium	MG/KG	SB	14,300	12,200	12,700	30,600	1,750
Manganese	MG/KG	SB	508	535	592	356	265
Mercury	MG/KG	0.1					
Nickel	MG/KG	13 or SB	21.5	14.8	18.4	13.2	15.1
Potassium	MG/KG	SB	1,080	687	821	1,080	516
Sodium	MG/KG	SB	111	121	94.5	147	76.6

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

* - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

DL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

TABLE 3-2
SUMMARY OF DETECTED ANALYTES IN UST EXCAVATION SOIL SAMPLES
153 FILLMORE AVE

Location ID			J-UST-BOTTOM	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Sample ID			J-UST-BW	J-UST-EW	J-UST-NW	J-UST-SW	J-UST-WW
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			11.5-12.0	4.0-5.0	4.0-5.0	4.0-5.0	4.0-5.0
Date Sampled			02/01/01	02/01/01	02/01/01	02/01/01	02/01/01
Parameter	Units	Criteria*					
Metals							
Vanadium	MG/KG	150 or SB	19.3	14.0	14.9	11.8	15.9
Zinc	MG/KG	20 or SB	61.8	41.6	47.2	157	44.2

*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

IDL - Method Detection Limit

NA - Not analyzed

SB - Site Background

Only Detected Results Reported.

Soils around both USTs exhibited elevated PID readings indicative of VOC contamination. Consequently, the excavation was continued to depths varying from 15 feet under the tanks to about 6 feet away from the tanks. The excavation was continued to the north and south until the foundation associated with Building 'E' and the loading dock ramp, respectively, limited further excavation. To the east the excavation was tied in with the UST-3 excavation. To the west and northwest, the excavation was extended until PID readings in the upper 5 feet of soils were less than 200 ppm. The limits and depths of the excavation for all three USTs are presented graphically in Figure 3-1.

Groundwater was pumped into the Baker tank as necessary to allow the excavation to be completed and confirmatory samples to be collected from the sidewalls and bottom of the excavation following tank removal. Four composite soil samples (F-NW wall, -NE wall, -SE wall, and -E wall) were collected from the sidewalls (i.e. one from each wall) and one composite sample was collected from the bottom of the excavation (i.e. F-bottom). These samples were submitted to a NYSDOH-certified laboratory for analysis of the NYSDEC STARS list of VOCs and SVOCs. The results are in Appendix B-2 and summarized in Table 3-2. The sampling locations are shown in Figure 3-1.

Following removal of UST-1 and UST-2 and excavation of the contaminated soil around the tanks, the excavation was filled with bank-run gravel to the original ground surface. During backfilling, three additional four inch diameter PVC pipes equipped with 5-foot long slotted screen sections, were installed in the excavation to allow monitoring of water levels. The bottom of the screens were set at the base of the excavation (approximately 6-13 feet).

3.3 Test Pits

In an attempt to delineate the lateral extent of the VOC contamination in soils around the three USTs and thereby determine the limits of soil excavation, a series of seven test pits (TP-1 to -7) were excavated at the locations shown in Figure 3-1. The test pits were excavated in one foot increments to depths of 5 to 7 feet. PID readings were obtained continuously during the excavation to determine the approximate depth at which VOC-contaminated soils were encountered. The results indicated that three of these test pits (i.e. TP-3, 5 and 6) were 'clean'

(i.e. no elevated PID readings above background were recorded at any depths). Three of the test pits (i.e. TP-1, -4 and 7) exhibited no elevated readings above background until a depth of about 5 feet was reached. The readings rapidly increased to levels > 200 ppm in the zone between 5-7 feet. TP-2 had readings > 200 ppm at a depth of one foot.

Additionally, two test pits (NYSDEC TP-1 and -2) were excavated in the southwestern corner of the site along Fillmore Avenue (Figure 3-1) at the request of the NYSDEC to investigate potential offsite migration related to the USTs. These pits were excavated to a depth of about 11 feet. The soils were logged by a geologist and screened with a PID. No PID readings above background were obtained until groundwater was encountered at about 9 feet. Samples of both the soil and groundwater were collected and analyzed for VOCs. The test pit logs are in Appendix D, the analytical results are in Appendix B-3 and summarized in Table 7-2.

3.4 Contaminated Water Management

As noted above, all the groundwater from the UST excavations and the water in the USTs was pumped into a 20,000 gallon Baker tank. Additionally, wash water from the truck tire decontamination pad installed at the entrance to the site (Figure 3-1) was also pumped into the Baker tank. The contaminated water (sample JX-WATER) subsequently was pumped through 55 gallon drums of activated carbon connected in series to remove any organic compounds from the water. The 'clean' water was staged in a second 20,000 gallon Baker tank. Initially, three carbon drums hooked up in series were utilized. As the first carbon drum experienced 'breakthrough' it was removed and the remaining two drums were utilized. Likewise, as the second drum was used up, it was removed from the system and the third drum was used alone to process the contaminated water. The 'clean' water in the second Baker tank was sampled when the tank became full and analyzed for VOCs (Sample BT2-TGW). The results of this sampling, which are in Appendix B-1 and summarized in Table 3-1, indicated that there were no detectable VOCs in the treated water. Consequently, a permit was obtained from the Town of Tonawanda to discharge the water to the sanitary sewer manhole located on Fillmore Avenue across from the site. A copy of the permit is in Appendix E. During the UST removal activities, a total of about 60,000 gallons of VOC-contaminated water were treated onsite and discharged to the sanitary sewer system.

Following treatment and discharge of all the contaminated waters generated during the UST removal the sediment in the first Baker tank was vacuumed out and disposed offsite in a permitted facility. Both tanks were steam cleaned and vacuumed out to ensure they were clean prior to removal from the site. Samples of the final rinse water were analyzed and showed no detectable levels of VOCs. Additionally, a composite sample of the activated carbon from the three 55 gallon drums (i.e., sample DRUM-CARBON) was collected and analyzed for hazardous waste characteristics. The results of the analysis, which are in Appendix B-1 and summarized in Table 3-1, indicated that the carbon was hazardous for VOCs. The drums subsequently were manifested as hazardous waste and transported to Hukill Chemical Company, in Bedford, Ohio. The manifest is in Appendix C.

3.5 Contaminated Soils Management

The soils from the UST excavations were placed in temporary staging areas located north of Building 'K' and east of AST-1 (Figure 3-1). These staging areas were prepared by stripping the vegetation and upper few inches of soil/fill with a bulldozer and pushing it out towards the perimeter of the area to create berms about two feet high. The areas were lined with polyethylene sheeting prior to placement of the contaminated soils. The more heavily contaminated soils, as evidenced by higher PID readings and visual observations, were placed in the staging area east of AST-1. The stockpiled soils were covered with Polyethylene sheeting after completion of the UST excavations.

Four grab samples (i.e., SP-1, SP-2, SP-3, and JX-SOIL) were collected from the contaminated soil stockpiles at the approximate locations shown on Figure 3-1, and analyzed for hazardous waste characteristics. The analytical results in Appendix B-1 and summarized in Table 3-1 indicate that the soils are non-hazardous and therefore can be disposed in a sanitary landfill or possibly re-used on site. A total of about 2,000 cubic yards of contaminated, non-hazardous soils were generated from the UST excavations and are stockpiled onsite.

4.0 ASBESTOS SURVEY

Concurrent with the UST excavation, an asbestos survey of the onsite buildings and the four ASTs was performed on February 20, 2001 by URS personnel. The intent of the survey was to identify asbestos containing materials (ACM) in anticipation of demolition of the buildings. The results of the survey are summarized in a report entitled, "Pre-Demolition Building Survey for Asbestos-Containing Material for 153 Fillmore Avenue, City of Tonawanda, New York," dated March 2001. A copy of this report is available at the City of Tonawanda Engineering Department.

5.0 BUILDING DEMOLITION

The City of Tonawanda solicited bids and retained Cambria Contracting of Lockport, New York to demolish some of the onsite buildings. Prior to demolition work, the asbestos identified in the asbestos survey report was removed from the buildings and disposed offsite in a permitted facility. Subsequently, the buildings were demolished. The steel beams, tanks and other metal materials were re-cycled. The concrete and brick were crushed onsite and used to backfill the basements to grade. Excess material was spread around the site or hauled offsite to a C&D disposal facility.

The warehouse and associated loading dock were left "as-is". Additionally, the four ASTs, some of the overhead piping, transformer carcasses and two tanks from inside the building were not included in this stage of demolition. These items will be included in the final site remediation program. The limits of the demolition completed to date are shown on Figure 3-1.

6.0 SITE INVESTIGATION

6.1 General

Analytical data from the NYSDEC sampling (1997) indicated that the surface soils at the site are contaminated. Specifically, several SVOCs, mostly carcinogenic (c) PAHs, some metals and PCBs were detected in the NYSDEC samples at concentrations which exceed the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046: *Determination of Soil Cleanup Objectives and Cleanup Levels* (January 1994, revised). The cPAHs and metals concentrations which exceed TAGM 4046 levels were found to be similar across the site. The northeast corner of the site was shown to have elevated levels of PCBs and lead. Consequently, the surface soil sampling program under this SI was performed to:

- supplement previous analytical data collected by the NYSDEC;
- provide additional data on elevated PCBs and lead in the northeast corner of the site; and
- provide representative coverage of the remaining portions of the site not excavated during UST removal or tested by the NYSDEC.

Additionally, analytical data from the UST excavation and test pit sampling indicated that the subsurface soils in the vicinity of the USTs were contaminated with VOCs (primarily xylene, toluene, and MEK at concentrations which significantly exceed TAGM 4046 levels. Most of the VOC – contaminated material above 5 feet bgs was removed during the UST closure. However, the lateral and vertical extent of the contaminated soils below 5 feet was not fully delineated. As a result, the subsurface soil sampling program under this SI was designed to:

- define the site stratigraphy;
- delineate the lateral and vertical extent of contamination associated with the former USTs; and,
- provide representative coverage of the remainder of the site.

The site investigation was conducted in accordance with the Site Investigation Work Plan prepared by URS (June 2001) and subsequently approved by NYSDEC.

The site investigation was completed during the period of July 25 to August 13, 2001 and consisted of surface and subsurface soil sampling and installation of groundwater monitoring wells. The presence of soil contamination was investigated using a combination of manual sampling and Geoprobe direct push sampling techniques. Locations for the surface soil samples and Geoprobe borings are shown in Figure 6-1. Air monitoring was conducted during all intrusive activities in accordance with the Community Air Monitoring Program found in the Health and Safety Plan (HASP) (Part D) of the Work Plan. Air monitoring consisted of monitoring for VOCs using a Toxic Vapor Analyzer (TVA). Direct push sampling was performed by Zebra Environmental, Inc. of Amherst, NY using a truck-mounted rig. Laboratory analyses were completed by Friend Laboratory, Inc. (FLI) of Waverly, New York, a NYSDOH certified lab.

6.2 Surface Soil Sampling

Surface soil samples were collected in accordance with procedures outlined in the NYSDEC-approved Site Investigation Work Plan. Generally, the sampling consisted of using a pre-cleaned stainless steel spoon or trowel to obtain soil material from 0 - 2 inches. Where grass/vegetation was present, it was cut around the sampling location and rolled back out of the way. The soil/fill was then collected from 0-2 inches immediately below the root zone. A total of 11 samples (SS-1 to -11) were collected onsite at the locations shown in Figure 6-1. Two background samples (SS-12 and -13) were collected in the small public park (Eastern Park) located on the west side of Fillmore Avenue, approximately 0.5 mile south of the site (Figure 1-1). All 13 samples were submitted for analysis of TCL VOCs, SVOCs, Pesticides, PCBs and RCRA metals.

6.3 Subsurface Soil Sampling

A total of 22 soil borings were installed at the site using direct push methods. Fourteen of these borings (SB-1 to -14) were utilized to define the site stratigraphy and allow collection of subsurface soil samples. The remaining 8 locations (MW-1 to -8) were used both for sample

collection and installation of monitoring wells. The locations of the soil borings and monitoring wells are shown in Figure 6-1.

The borings were advanced using a four foot long 2-inch diameter macrocore sampler equipped with a clear acetate liner. Soil cores were typically collected from 0-4', 4-8', 8-12', etc. The liners were removed at the surface and opened to allow logging of the soil/fill materials by a geologist and screening with a PID for VOCs. The boring logs are in Appendix F.

Subsurface soil samples were collected in 6 of the soil borings (SB-06, -08, -09, -10, MW-05 and -07) and analyzed for TCL VOCs, SVOCs, pesticides, PCBs, and RCRA Metals.

6.4 Groundwater Investigation

In order to investigate groundwater conditions eight monitoring wells (mini-wells) (MW-1 to MW-8) were installed around the perimeter of the site. The mini-wells were placed at appropriate up- and down-gradient locations as shown in Figure 6-1 to determine the presence and extent of groundwater contamination, if any. Based on past experience in the area, it was anticipated that the water table would be about 5-to-10 feet bgs. The mini-wells were completed to depths ranging from 11.3 to 13.5 feet below ground surface (bgs). In general, 10 foot screens were installed to straddle the water surface. The well construction diagrams are in Appendix G.

Drill cuttings generated by the drilling method which exhibited no signs of contamination were raked into the soils adjacent to the borehole. Drill cuttings with TVA readings greater than 10 parts per million (ppm) were containerized in United States Department of Transportation (USDOT) approved 55-gallon drums.

A round of groundwater elevation measurements was obtained once the wells stabilized (Table 6-1). Upon completion, all mini-wells were developed to ensure good hydraulic communication with the water-bearing zone. Additionally, the elevation of the groundwater in each well was calculated and a groundwater contour map of the site prepared (Figure 6-2). One groundwater sample was collected from each of the eight mini-wells and analyzed for TCL VOCs, SVOCs, PCBs, and RCRA metals. QA/QC samples were collected in accordance with the approved SI Work Plan.

TABLE 6-1
GROUNDWATER LEVEL READINGS
153 FILLMORE AVE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Specific Gravity	Date	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-01 MNW	10090.755	5000.840	574.90	574.90	574.82	A	1	10/17/2001	7.00	567.82	0.00	567.82	
MW-02 MNW	10156.704	4951.890	575.32	575.32	575.19	A	1	10/17/2001	6.53	568.66	0.00	568.66	
MW-03 MNW	10249.346	4881.555	575.26	575.26	575.15	A	1	10/17/2001	6.24	568.91	0.00	568.91	
MW-04 MNW	10307.069	4837.472	574.92	574.92	574.82	A	1	10/17/2001	6.04	568.78	0.00	568.78	
MW-05 MNW	10430.674	5084.944	574.32	578.57	578.32	A	1	10/17/2001	8.41	569.91	0.00	569.91	
MW-06 MNW	10354.057	5129.385	574.28	578.18	578.13	A	1	10/17/2001	7.93	570.20	0.00	570.2	
MW-07 MNW	10195.317	5199.566	574.61	578.13	577.91	A	1	10/17/2001	4.86	573.05	0.00	573.05	
MW-08 MNW	10156.104	5150.740	574.85	578.60	578.43	A	1	10/17/2001	8.16	570.27	0.00	570.27	

NM - No Measurement
NP - No Product

The value noted in the column labeled Specific Gravity is an estimated value for free product, if found.

Geol. Zone: F-Fill
S-Sand
R-Bedrock
CS-Clayey Silt
P-Peat
C-Clay
T-Till

Type: MNW - Monitoring Well
ABN - Abandoned Well
PZ - Piezometer



NOTE: Background surface soil samples SS-12 and SS-13 were collected in the public park located on the west side of Fillmore Avenue approximately 0.5 miles south of the site (See Figure 1-1).

Monitoring Well

Soil Boring

Surface Soil Sample Location

Excavation Sample Location

Test Pit Location

Soil Stockpile Sample Location

Existing Building

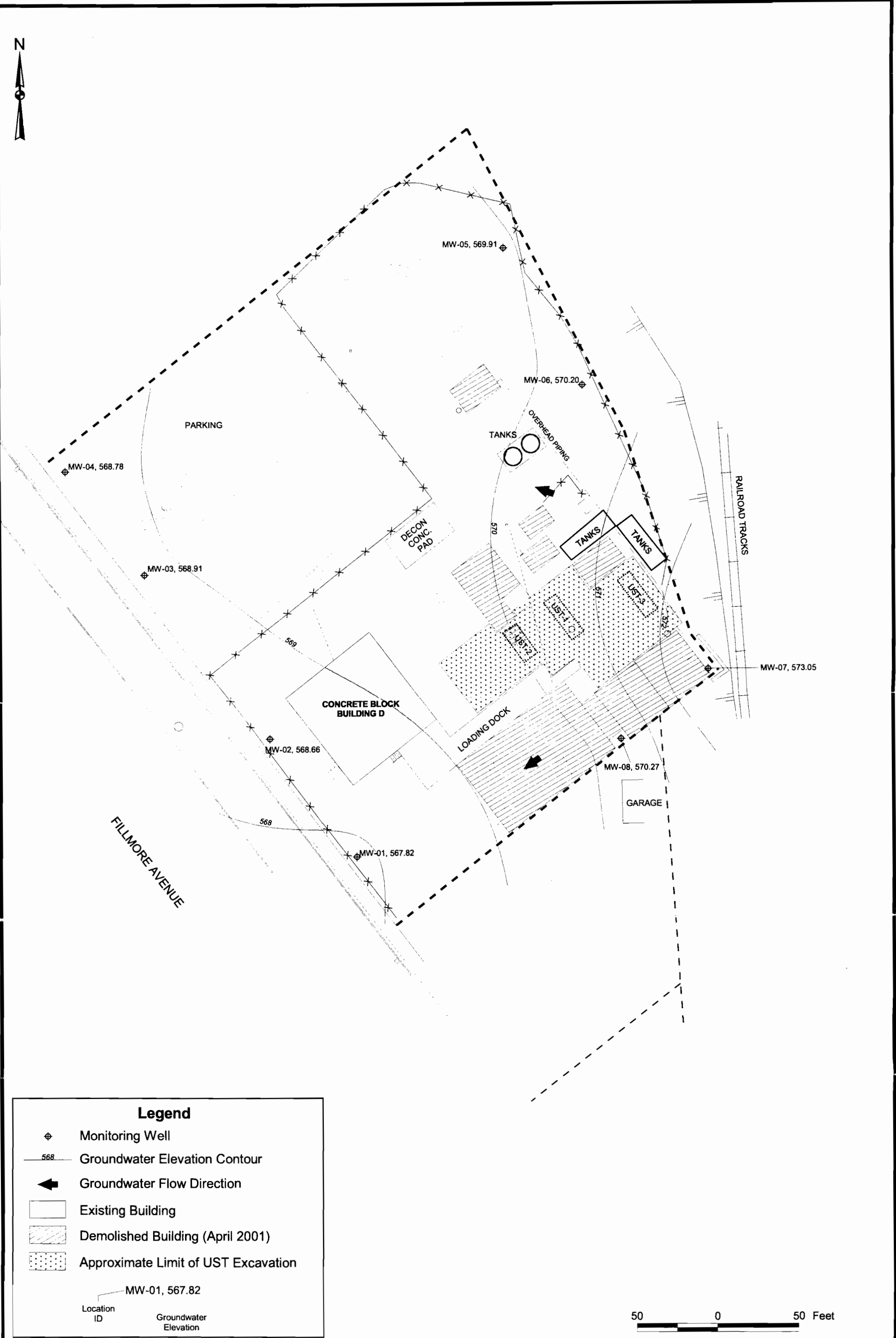
Demolished Building (April 2001)

Approximate Limit of UST Excavation

Approximate Location of Underground Storage Tank (Removed)

Approximate Limits of Soil Stockpile





6.5 Analytical Testing Data Verification

A limited data verification was performed on all samples collected. This data verification was limited to a review of the following criteria:

- Holding times
- Data completeness
- Comparison of surrogate, spike, and duplicate recoveries to validation criteria
- Blank contamination
- 10% quantitation check that reported sample results are correct
- Tentatively identified compounds (TICs) will be qualified by the laboratory only
- Proper sample analysis
- Sample chromatograms
- NYSDEC ASP Sample Preparation and Analysis Summary Forms

Based on this review, a data usability summary report (DUSR) was prepared. The DUSR is contained in Appendix H.

7.0 SITE CONDITIONS

7.1 Site Geology

The United States Department of Agriculture (USDA) Soil Conservation Service *Soil Survey of Erie County, New York* (1972) describes the soil types in this area as Urban land soil consisting of nearly level urbanized areas and areas of well drained to poorly drained soils and disturbed soils, on lowland plains. Due to the history of this site, it is likely that these soils are overlain by various types of fill and/or have been reworked to accommodate the commercial/urban use of the property.

The native soils of the area were formed in glacial material that were deposited during the ice age. Subsurface soils are made up of lake silt, sand and clay deposits from glacial/post-glacial ancestral lakes. The principal bedrock formations are Queenston shale, Lockport dolomitic limestone, and Rochester shale. Local shallow groundwater flow may be influenced by subsurface foundations associated with the past property use. However, general groundwater flow will be westerly and northwesterly toward Ellicott Creek, a tributary to the nearby Niagara River, which is located approximately 400 feet southwest of the site.

Test pit excavations completed during the UST removal, and soil borings at the site indicate that the upper portion of the site consists of 0-to 4-feet of fill materials consisting primarily of sandy loam with some cinders, concrete/brick fragments and traces of wood and metal.

The fill material is underlain by medium gray to tan fine sandy silt extending to depths of 15 feet, or more. Bedrock was not encountered on the site.

7.2 Groundwater

Groundwater typically was encountered at depths of about 5 to 7-feet, although groundwater levels vary from about 2 feet below ground surface (bgs) near the railroad embankment on the east side of the site to about 9-feet bgs near Fillmore Avenue on the West.

The groundwater contour map (Figure 6-2) indicates that groundwater flow at the site is generally to the west or northwest towards Ellicott Creek.

7.3 Nature and Extent of Contamination

7.3.1 Surface Soils

Analytical data for the 13 surface soil samples collected at the site (SS-01 to SS-13) is summarized in Table 7-1. The concentrations of the detected compounds were compared with the cleanup objectives outlined in NYSDEC TAGM 4046. Any exceedances of the NYSDEC cleanup objectives are highlighted in the Table and depicted graphically on Figure 7-1.

As shown in the Figure and Table, low levels of SVOCs consisting primarily of PAHs, and metals were detected in all 13 samples at concentrations that exceed the TAGM 4046 cleanup objectives. The highest observed concentrations of SVOCs and metals were in the northeast corner of the site (i.e. SS-03, -07, -08, -09, -10 and -11). PCBs were also detected in the sample from SS-10 at a concentration (1.4 mg/kg) that exceeds the TAGM 4046 criteria for surface soils (i.e. 1.0 mg/kg). This is consistent with results from the earlier NYSDEC surface soil sampling that indicated elevated levels of PCBs in the vicinity of SS-10. No VOCs were observed at concentrations exceeding the TAGM 4046 criteria.

The highest levels of contamination are in the vicinity of SS-10.

7.3.2 Subsurface Soils

The evaluation of subsurface soil conditions is based on data from the UST soil excavation, UST confirmatory sampling, Test Pits with PID readings only, the NYSDEC-requested test pits, 14 soil borings and 8 monitoring well borings.

TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SS-01	SS-02	SS-03	SS-04	SS-05
Sample ID				SS-01	SS-02	SS-03	SS-04	SS-05
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)					
Volatiles								
Bromomethane	UG/KG	-	-	6 B				
Chloromethane	UG/KG	-	-					
Methylene chloride	UG/KG	100	-	17 B	7			10 B
Semivolatiles								
2-Methylnaphthalene	UG/KG	36400	-				81 J	100 J
Acenaphthene	UG/KG	50000	-					130 J
Acenaphthylene	UG/KG	41000	-					
Anthracene	UG/KG	50000	-		77 J	2,300 J	150 J	250 J
Benzo(a)anthracene	UG/KG	224 or MDL	-	500	360	7,500	550	780
Benzo(a)pyrene	UG/KG	61 or MDL	-	480	380	7,100	580	640
Benzo(b)fluoranthene	UG/KG	1100	-	580	640	9,900	800	940
Benzo(g,h,i)perylene	UG/KG	50000	-	590	440	6,700	630	580
Benzo(k)fluoranthene	UG/KG	1100	-	230 J	260 J	3,300 J	290 J	320
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-				250 J	410
Butylbenzylphthalate	UG/KG	50000	-					650
Carbazole	UG/KG	-	-					
Chrysene	UG/KG	400	-	420	440	7,900	640	760
Dibenzofuran	UG/KG	6200	-					
Di-n-butylphthalate	UG/KG	8100	-					
Fluoranthene	UG/KG	50000	-	570	630	10,000	900	1,400
Fluorene	UG/KG	50000	-			1,000 J	72 J	120 J

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

Method Detection Limit

Site Background

Only Detected Results Reported.

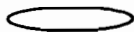
TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SS-01	SS-02	SS-03	SS-04	SS-05
Sample ID				SS-01	SS-02	SS-03	SS-04	SS-05
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)					
Semivolatiles								
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	480	350	5,300	500	590
Naphthalene	UG/KG	13000	-			1,200 J	140 J	200 J
Phenanthrene	UG/KG	50000	-	330	340	11,000	600	1,000
Pyrene	UG/KG	50000	-	1,200	1,400	38,000	1,700	1,500
PCBs								
Aroclor 1254	UG/KG	1000	-					
Aroclor 1260	UG/KG	1000	-	180				
Metals								
Arsenic	MG/KG	7.5 or SB	3 - 12	2.5	1.6	8.2	6.9	2.0
Cadmium	MG/KG	300 or SB	15 - 600	89.9	36.8	99.7	205	55.7
Chromium	MG/KG	10 or SB	0.1 - 1	0.68	0.52	1.9	1.5	0.98
Lead	MG/KG	400 **	200 - 500	168	70.1	318	244	35.5
Mercury	MG/KG	0.1	0.001 - 0.2	0.28	3.0	0.27	0.16	0.080

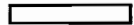
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

- Site Background

Only Detected Results Reported.

TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SS-06	SS-07	SS-08	SS-09	SS-10
Sample ID				SS-06	SS-07	SS-08	SS-09	SS-10
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)					
Volatiles								
Bromomethane	UG/KG	-	-					
Chloromethane	UG/KG	-	-					
Methylene chloride	UG/KG	100	-	11 B		15 B	17	12
Semivolatiles								
2-Methylnaphthalene	UG/KG	36400	-					6,600 J
Acenaphthene	UG/KG	50000	-		360 J			15,000
Acenaphthylene	UG/KG	41000	-		470 J			
Anthracene	UG/KG	50000	-		1,900	1,700 J	4,500	38,000
Benzo(a)anthracene	UG/KG	224 or MDL	-	440	4,500	4,500	8,900	65,000
zo(a)pyrene	UG/KG	61 or MDL	-	470	4,800	4,400	7,200	57,000
Benzo(b)fluoranthene	UG/KG	1100	-	630	5,300	5,500	8,700	80,000
Benzo(g,h,i)perylene	UG/KG	50000	-	310	4,600	4,900	6,900	24,000
Benzo(k)fluoranthene	UG/KG	1100	-	320	1,800	2,000 J	3,900 J	33,000
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-					
Butylbenzylphthalate	UG/KG	50000	-					
Carbazole	UG/KG	-	-					20,000
Chrysene	UG/KG	400	-	440	3,700	4,600	8,800	63,000
Dibenzofuran	UG/KG	6200	-		390 J			11,000 J
Di-n-butylphthalate	UG/KG	8100	-					3,600 J
Fluoranthene	UG/KG	50000	-	740	8,300	7,800	13,000	150,000
Fluorene	UG/KG	50000	-		690 J	980 J	2,500 J	18,000

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

Site Background

Only Detected Results Reported.

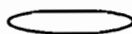
TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SS-06	SS-07	SS-08	SS-09	SS-10
Sample ID				SS-06	SS-07	SS-08	SS-09	SS-10
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)					
Semivolatiles								
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	280 J	4,600	3,600 J	5,700	21,000
Naphthalene	UG/KG	13000	-		340 J	890 J		18,000
Phenanthrene	UG/KG	50000	-	380	6,300	7,500	15,000	130,000
Pyrene	UG/KG	50000	-	900	12,000	18,000	36,000	130,000
PCBs								
Aroclor 1254	UG/KG	1000	-		290	340		
Aroclor 1260	UG/KG	1000	-				510	1,400
Metals								
Arsenic	MG/KG	7.5 or SB	3 - 12	3.5	3.8	4.6	8.7	4.6
Cadmium	MG/KG	300 or SB	15 - 600	151	370	289	1,030	429
Cadmium	MG/KG	1 or SB	0.1 - 1	1.4	1.5	1.5	3.4	2.4
Chromium	MG/KG	10 or SB	1.5 - 40	17.5	66.4	64.3	185	32.6
Lead	MG/KG	400 **	200 - 500	116	582	554	587	687
Mercury	MG/KG	0.1	0.001 - 0.2	0.19	2.1	0.60	0.26	0.15

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

- Site Background

Only Detected Results Reported.

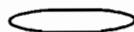
TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SS-11	SS-12	SS-13
Sample ID				SS-11	SS-12	SS-13
Matrix				Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)			
Volatiles						
Bromomethane	UG/KG	-	-			
Chloromethane	UG/KG	-	-	5 B		
Methylene chloride	UG/KG	100	-	7	8	7
Semivolatiles						
2-Methylnaphthalene	UG/KG	36400	-			
Acenaphthene	UG/KG	50000	-			
Acenaphthylene	UG/KG	41000	-			
Anthracene	UG/KG	50000	-			
Benzo(a)anthracene	UG/KG	224 or MDL	-	140 J	320 J	160 J
Benzo(a)pyrene	UG/KG	61 or MDL	-	140 J	340	880
Benzo(b)fluoranthene	UG/KG	1100	-		530	3,400
Benzo(g,h,i)perylene	UG/KG	50000	-	100 J	260 J	
Benzo(k)fluoranthene	UG/KG	1100	-		260 J	1,400
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-			
Butylbenzylphthalate	UG/KG	50000	-			
Carbazole	UG/KG	-	-			
Chrysene	UG/KG	400	-	160 J	450	170 J
Dibenzofuran	UG/KG	6200	-			
Di-n-butylphthalate	UG/KG	8100	-		100 J	
Fluoranthene	UG/KG	50000	-	280 J	790	290 J
Fluorene	UG/KG	50000	-			

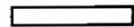
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

- Site Background

Only Detected Results Reported.

TABLE 7-1
SUMMARY OF DETECTED ANALYTES IN SURFACE SOIL SAMPLES
153 FILLMORE AVE

TOTAL
 SVOC
 0.44 ppm

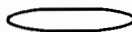
Location ID				SS-11	SS-12	SS-13
Sample ID				SS-11	SS-12	SS-13
Matrix				Soil	Soil	Soil
Depth Interval (ft)				0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled				07/26/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)			
Semivolatiles						
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-		230 J	
Naphthalene	UG/KG	13000	-			
Phenanthrene	UG/KG	50000	-	140 J	450	220 J
Pyrene	UG/KG	50000	-	300	730	
PCBs				1.26 ppm		
Aroclor 1254	UG/KG	1000	-	320		
Aroclor 1260	UG/KG	1000	-			
Metals						
Arsenic	MG/KG	7.5 or SB	3 - 12	4.4	16.0	6.7
Jim	MG/KG	300 or SB	15 - 600	712	97.2	99.3
Cadmium	MG/KG	1 or SB	0.1 - 1	2.3	1.5	1.7
Chromium	MG/KG	10 or SB	1.5 - 40	183	12.6	6.9
Lead	MG/KG	400 **	200 - 500	1,750	138	52.2
Mercury	MG/KG	0.1	0.001 - 0.2	0.41	0.20	0.12

TOTAL SVOC

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



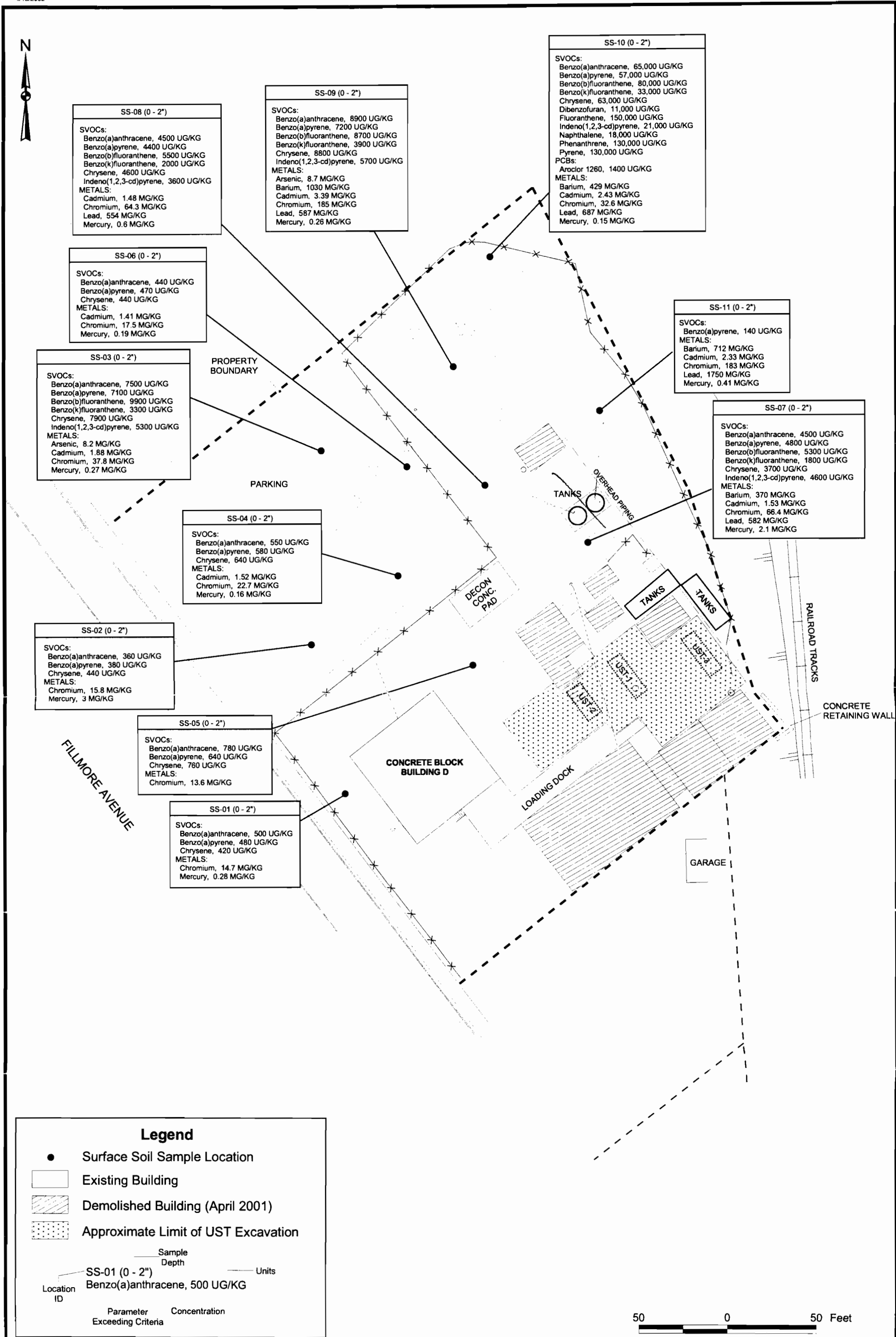
Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

Site Background

Only Detected Results Reported.



In general, all 14 soil borings (SB-01 to -14) with the exception of SB-2, -5, -12, and -13 exhibited a sheen and/or petroleum odor on the soil cores at, or just above, the water surface depth. Additionally, soil cores from MW-4, -5, -7, and -8 also exhibited a sheen and/or petroleum odor at similar depths. Soils from MW-1, -2, -3, and -6 exhibited no visual or olfactory evidence of contamination. Free product was also noted in SB-6 at 10-12', SB-11 at 10-11', MW-5 at 9.0-10.5', and MW-7 at 8.0-11.0'. Soil samples were collected from SB-06, -08, -09, -10, and MW-05 and -07 for analysis. Analytical data for subsurface soil samples collected from the soil borings monitoring wells and test pits NYSDEC-1 and -2 is summarized in Table 7-2. Analytical data for samples collected during the UST closure activities are summarized in Table 3-2. The detected concentrations were compared with the TAGM 4046 criteria and any exceedances were highlighted. The detected compounds with concentrations exceeding the suggested cleanup objectives are depicted graphically in Figure 7-2.

As noted previously, UST-1 was partially filled with solvents that had leaked from the vent pipe into the surrounding soils. As a result, the soils in the immediate vicinity of the USTs were heavily contaminated with VOCs as evidenced by both visual and PID data during the UST excavation. This contamination was noted in the soils around the USTs from the ground surface to depths greater than 15 feet. However, during tank removal activities, the limits of the excavation were extended laterally, except where building foundations prevented further excavation, until soils in the upper five feet did not exhibit PID readings above background. **Consequently, the primary sources of the VOCs (i.e. the liquids in the USTs and the VOC-contaminated soils above the capillary zone) have been removed.**

The confirmatory samples collected from the UST excavations (Table 3-2) indicated no exceedances for VOCs or SVOCs with the exception of samples from the south wall of UST-1 and -3 excavation and the northwest wall of UST-2 excavation. All metals detected in the confirmatory samples were below TAGM 4046 criteria or within typical background levels for Northeastern U.S.

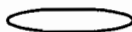
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				MW-05	MW-07	MW-07	NYSDEC-TP-1	NYSDEC-TP-2
Sample ID				MW-05	MW-07	MW-07	TP-1	TP-2
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				8.0-9.0	2.0-4.0	9.0-11.0	-	-
Date Sampled				07/25/01	07/26/01	07/26/01	02/14/01	02/14/01
Parameter	Units	Criteria (1)	Criteria (2)					
Volatiles								
Acetone	UG/KG	200	-		210	NA		
Chloromethane	UG/KG	-	-		29	NA		
Ethylbenzene	UG/KG	5500	-		780	NA	2 J	10 J
m&p-Xylene	UG/KG	1200	-		1,300	NA		
o-Xylene	UG/KG	1200	-		750	NA		
Toluene	UG/KG	1500	-		27	NA		
Semivolatiles								
2-Methylnaphthalene	UG/KG	36400	-	65,000	NA	87,000	NA	NA
Acenaphthene	UG/KG	50000	-		NA	56,000	NA	NA
naphthylene	UG/KG	41000	-		NA	14,000 J	NA	NA
Anthracene	UG/KG	50000	-		NA	39,000	NA	NA
Benzo(a)anthracene	UG/KG	224 or MDL	-		NA	13,000 J	NA	NA
Benzo(a)pyrene	UG/KG	61 or MDL	-		NA	8,200 J	NA	NA
Benzo(b)fluoranthene	UG/KG	1100	-		NA		NA	NA
Benzo(g,h,i)perylene	UG/KG	50000	-		NA		NA	NA
Benzo(k)fluoranthene	UG/KG	1100	-		NA		NA	NA
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-	11,000 J	NA		NA	NA
Carbazole	UG/KG	-	-		NA		NA	NA
Chrysene	UG/KG	400	-		NA	14,000 J	NA	NA
Dibenzofuran	UG/KG	6200	-		NA	7,000 J	NA	NA
Fluoranthene	UG/KG	50000	-		NA	28,000	NA	NA

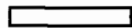
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

. Not analyzed

SB - Site Background

Only Detected Results Reported.

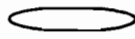
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				MW-05	MW-07	MW-07	NYSDEC-TP-1	NYSDEC-TP-2
Sample ID				MW-05	MW-07	MW-07	TP-1	TP-2
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				8.0-9.0	2.0-4.0	9.0-11.0	-	-
Date Sampled				07/25/01	07/26/01	07/26/01	02/14/01	02/14/01
Parameter	Units	Criteria (1)	Criteria (2)					
Semivolatiles								
Fluorene	UG/KG	50000	-	6,400 J	NA	45,000	NA	NA
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-		NA		NA	NA
Naphthalene	UG/KG	13000	-	4,800 J	NA	200,000	NA	NA
Phenanthrene	UG/KG	50000	-	19,000	NA	130,000	NA	NA
Pyrene	UG/KG	50000	-		NA	38,000	NA	NA
Metals								
Aluminum	MG/KG	SB	33000	NA	NA	NA	4,280	3,530
Arsenic	MG/KG	7.5 or SB	3 - 12	2.2	NA	3.4		2.6
Barium	MG/KG	300 or SB	15 - 600	34.9	NA	20.2	110	35.5
Bismuth	MG/KG	1 or SB	0.1 - 1	1.0	NA			
Calcium	MG/KG	SB	130 - 35000	NA	NA	NA	48,000	36,500
Chromium	MG/KG	10 or SB	1.5 - 40	4.8	NA	4.4	7.7	6.4
Cobalt	MG/KG	30 or SB	2.5 - 60	NA	NA	NA	7.7	4.1
Copper	MG/KG	25 or SB	1 - 50	NA	NA	NA	10.7	15.6
Iron	MG/KG	2000 or SB	2000 - 550000	NA	NA	NA	18,200	11,500
Lead	MG/KG	400 **	200 - 500	9.0	NA	18.0	4.1	6.5
Magnesium	MG/KG	SB	100 - 5000	NA	NA	NA	9,120	13,400
Manganese	MG/KG	SB	50 - 5000	NA	NA	NA	599	368
Mercury	MG/KG	0.1	0.001 - 0.2		NA			
Nickel	MG/KG	13 or SB	0.5 - 25	NA	NA	NA	11.0	9.5
Potassium	MG/KG	SB	8500 - 43000	NA	NA	NA	446	693

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

Not analyzed

SB - Site Background

Only Detected Results Reported.

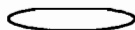
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				MW-05	MW-07	MW-07	NYSDEC-TP-1	NYSDEC-TP-2
Sample ID				MW-05	MW-07	MW-07	TP-1	TP-2
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				8.0-9.0	2.0-4.0	9.0-11.0	-	-
Date Sampled				07/25/01	07/26/01	07/26/01	02/14/01	02/14/01
Parameter	Units	Criteria (1)	Criteria (2)					
Metals								
Sodium	MG/KG	SB	6000 - 8000	NA	NA	NA	99.8	110
Vanadium	MG/KG	150 or SB	1 - 300	NA	NA	NA	12.0	9.3
Zinc	MG/KG	20 or SB	9 - 50	NA	NA	NA	43.0	50.7

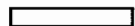
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

- Not analyzed

SB - Site Background

Only Detected Results Reported.

Advanced Selection: TABLE 7-2 SO

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([LOCID] LIKE 'NYSDEC' OR [LOCID] LIKE 'MW' OR [LOCID] LIKE 'SB') AND [MATRIX] = 'SO'

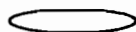
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SB-06	SB-08	SB-09	SB-10
Sample ID				SB-06	SB-08	SB-09	SB-10
Matrix				Soil	Soil	Soil	Soil
Depth Interval (ft)				10.0-12.0	9.0-11.0	6.0-8.0	6.0-8.0
Date Sampled				07/25/01	07/25/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)				
Volatiles							
Acetone	UG/KG	200	-			52	89
Chloromethane	UG/KG	-	-			9 B	14 B
Ethylbenzene	UG/KG	5500	-			190	
m&p-Xylene	UG/KG	1200	-			360	
o-Xylene	UG/KG	1200	-			37	
Toluene	UG/KG	1500	-				
Semivolatiles							
2-Methylnaphthalene	UG/KG	36400	-	4,300	3,800	2,200	
Acenaphthene	UG/KG	50000	-	2,000	2,000	1,500	
1-Naphthylene	UG/KG	41000	-				
Anthracene	UG/KG	50000	-	2,900	1,300	930	
Benzo(a)anthracene	UG/KG	224 or MDL	-	2,900	660	480	
Benzo(a)pyrene	UG/KG	61 or MDL	-	2,400	430	310	
Benzo(b)fluoranthene	UG/KG	1100	-	3,400	490	340	
Benzo(g,h,i)perylene	UG/KG	50000	-	1,700	160 J	110 J	
Benzo(k)fluoranthene	UG/KG	1100	-		210 J	180 J	
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-	5,600	330	1,400	510
Carbazole	UG/KG	-	-	1,200 J			
Chrysene	UG/KG	400	-	2,600	550	390	
Dibenzofuran	UG/KG	6200	-	1,300 J	1,100	790	
Fluoranthene	UG/KG	50000	-	7,500	2,000	1,400	

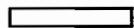
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

MDL - Method Detection Limit

- Not analyzed

SB - Site Background

Only Detected Results Reported.

Advanced Selection TABLE 7-2.S0

J:\35842 00\dlb\Program\program.mde

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{ [LOCID] LIKE 'NYSDEC' OR [LOCID] LIKE 'MW' OR [LOCID] LIKE 'SB' } AND [MATRIX] = 'SO'

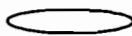
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SB-06	SB-08	SB-09	SB-10
Sample ID				SB-06	SB-08	SB-09	SB-10
Matrix				Soil	Soil	Soil	Soil
Depth Interval (ft)				10.0-12.0	9.0-11.0	6.0-8.0	6.0-8.0
Date Sampled				07/25/01	07/25/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)				
Semivolatiles							
Fluorene	UG/KG	50000	-	2,600	1,700	1,200	
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	1,600	230 J		
Naphthalene	UG/KG	13000	-		5,100	2,400	
Phenanthrene	UG/KG	50000	-	10,000	4,200	3,100	
Pyrene	UG/KG	50000	-	5,900	1,500	1,200	
Metals							
Aluminum	MG/KG	SB	33000	NA	NA	NA	NA
Arsenic	MG/KG	7.5 or SB	3 - 12	2.0	2.6	2.6	1.7
Barium	MG/KG	300 or SB	15 - 600	12.7	32.1	55.8	48.2
Cadmium	MG/KG	1 or SB	0.1 - 1		0.59	0.91	
Calcium	MG/KG	SB	130 - 35000	NA	NA	NA	NA
Chromium	MG/KG	10 or SB	1.5 - 40	4.9	7.7	10.3	8.6
Cobalt	MG/KG	30 or SB	2.5 - 60	NA	NA	NA	NA
Copper	MG/KG	25 or SB	1 - 50	NA	NA	NA	NA
Iron	MG/KG	2000 or SB	2000 - 550000	NA	NA	NA	NA
Lead	MG/KG	400 **	200 - 500	12.0	6.7	10.0	4.5
Magnesium	MG/KG	SB	100 - 5000	NA	NA	NA	NA
Manganese	MG/KG	SB	50 - 5000	NA	NA	NA	NA
Mercury	MG/KG	0.1	0.001 - 0.2				0.068
Nickel	MG/KG	13 or SB	0.5 - 25	NA	NA	NA	NA
Potassium	MG/KG	SB	8500 - 43000	NA	NA	NA	NA

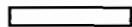
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

Not analyzed

SB - Site Background

Only Detected Results Reported.

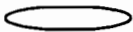
TABLE 7-2
SUMMARY OF DETECTED ANALYTES IN SUBSURFACE SOIL SAMPLES
153 FILLMORE AVE

Location ID				SB-06	SB-08	SB-09	SB-10
Sample ID				SB-06	SB-08	SB-09	SB-10
Matrix				Soil	Soil	Soil	Soil
Depth Interval (ft)				10.0-12.0	9.0-11.0	6.0-8.0	6.0-8.0
Date Sampled				07/25/01	07/25/01	07/26/01	07/26/01
Parameter	Units	Criteria (1)	Criteria (2)				
Metals							
Sodium	MG/KG	SB	6000 - 8000	NA	NA	NA	NA
Vanadium	MG/KG	150 or SB	1 - 300	NA	NA	NA	NA
Zinc	MG/KG	20 or SB	9 - 50	NA	NA	NA	NA

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Recommended Soil Cleanup Criteria.

Criteria (2)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised). Eastern USA Background.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

** - Typical average background levels for metropolitan areas range from 200 - 500 ppm.

- Method Detection Limit

- Not analyzed

SB - Site Background

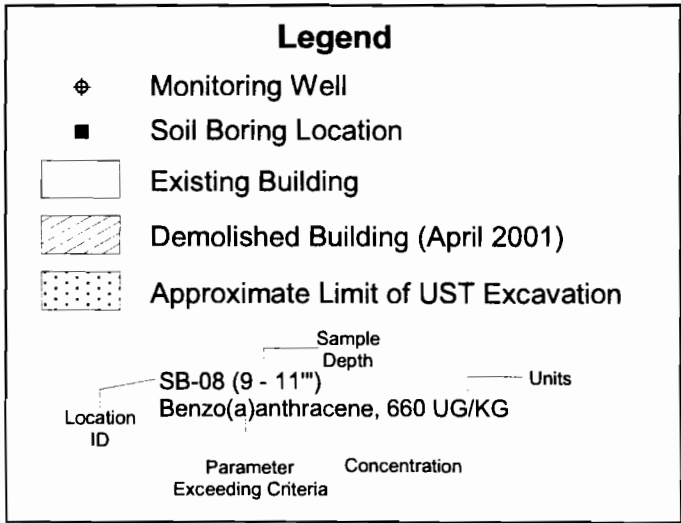
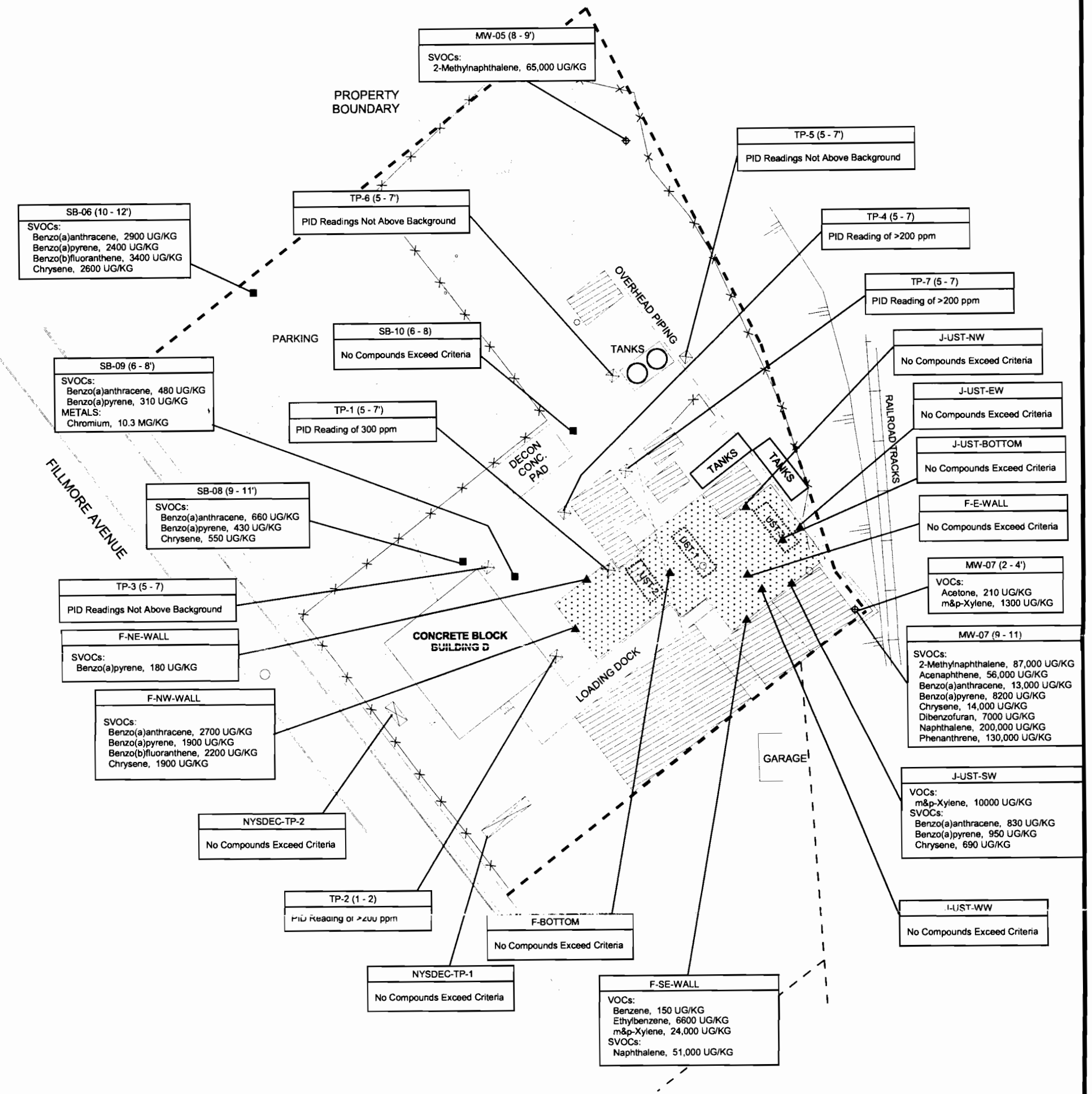
Only Detected Results Reported.

Advanced Selection: TABLE 7-2 SO

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([LOCID] LIKE 'NYSDEC' OR [LOCID] LIKE 'MW' OR [LOCID] LIKE 'SB') AND [MATRIX] = 'SO'

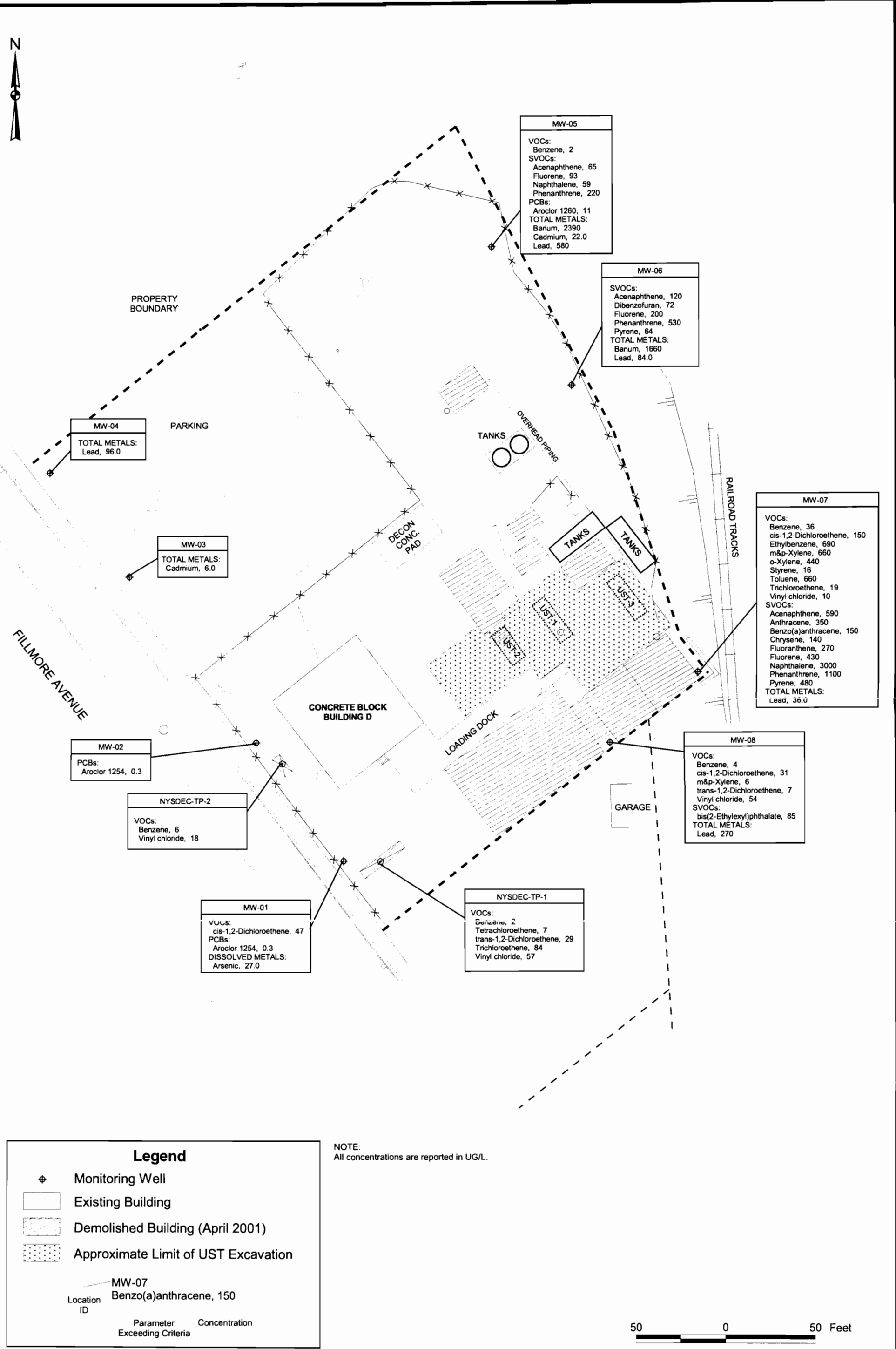


The seven test pits (TP-1 to -7) excavated to depths of seven feet around the perimeter of the UST excavation indicated that the soils above 5 feet were 'clean' (i.e. PID readings below background levels) in all test pits with the exception of TP-2. In TP-2 the PID readings were greater than 200 ppm at a depth of one foot. In three of the test pits (i.e. TP-1, -4 and -7) located north of UST-1 and -2 excavation, around former Building 'E', PID readings above 200 ppm were recorded at depths of 5 feet or greater. No elevated PID readings were noted in the remaining three test pits (i.e., TP-3, -5, and -6) at depths greater than 5 feet.

Soil samples collected at depths of about 9 – 11 feet in NYSDEC TP-1 and -2, located in the southwest corner of the site along Fillmore Avenue (Figure 3-1) did not exhibit any detectable VOCs at concentrations exceeding the TAGM 4046 criteria (Table 7-2).

Subsurface soil samples collected from the 4 soil borings and the 3 monitoring well borings indicated the following:

- VOCs were only detected at concentrations exceeding the TAGM 4046 criteria in MW-7 at a depth of 2-4 feet. High levels of xylene and acetone were detected. This is consistent with solvents identified in UST-1 and the soils around the three tanks. Detectable levels of xylene and ethylbenzene also were noted in a soil sample from 6-8 feet in SB-9, about 20 feet downgradient of the UST excavation. However, the concentrations did not exceed TAGM 4046 criteria.
- SVOCs consisting primarily of PAHs were detected in subsurface soils at concentrations exceeding the TAGM 4046 criteria in SB-06, -08, -09, MW-05 and MW-07. The highest concentrations were observed in MW-07 and MW-05. The concentrations in the downgradient borings are typically 2-3 orders of magnitude lower than those measured in MW-05 and/or -07.
- There were no exceedances of TAGM 4046 criteria for metals



7.3.3 Groundwater

Groundwater samples were collected from the 8 monitoring wells (MW-1 to -8) and two test pits (NYSDEC-TP-1 and -2). The analytical data for these 10 samples is summarized in Table 7-3. The concentrations of the detected compounds were compared with the NYSDEC TOGS 1.1.1. criteria for Class GA groundwater. Any exceedance of the NYSDEC criteria are highlighted in the Table and depicted graphically on Figure 7-3. The results from these samples indicate the following:

- VOCs were detected in four wells (i.e. MW-01, -05, -07 and -08) at concentrations that exceed the TOGS 1.1.1 criteria. The VOCs were primarily solvents associated with the USTs. The greatest number of detected compounds and the highest concentrations were observed in MW-07, in the southeast (upgradient) corner of the site. Cis-1,2 – Dichloroethene was detected in MW-07, -08 and -01 in order of decreasing concentration.
- SVOCs consisting primarily of PAHs were detected at concentrations exceeding TOGS 1.1.1 criteria in MW-05, -06, and -07 along the upgradient edge of the site at the base of the railroad embankment. In general, the highest concentrations were observed in MW-07 and decreased in a northerly direction. No detectable SVOCs were observed in any of the downgradient monitoring wells along Fillmore Avenue, and only one compound (bis-2 –ethylhexylphthalate) exceeded TOGS 1.1.1 criteria in MW-08.
- Metal concentrations in unfiltered groundwater samples (i.e. total metals) exceeded the TOGS 1.1.1 criteria in most of the wells for one or more metals (i.e. arsenic, barium, cadmium, lead). However, the metal concentrations in filtered groundwater samples (i.e. dissolved metals) were all below the TOGS 1.1.1 criteria with the exception of arsenic in MW-01.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-01	MW-01	MW-02	MW-02	MW-03
Sample ID			MW-01	MW-01	MW-02	MW-02	MW-03
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/07/01	08/08/01	08/07/01	08/08/01	08/07/01
Parameter	Units	Criteria*					
Volatiles							
1,1-Dichloroethane	UG/L	5		NA		NA	
1,1-Dichloroethene	UG/L	5		NA		NA	
Acetone	UG/L	50		NA		NA	
Benzene	UG/L	1		NA		NA	
cis-1,2-Dichloroethene	UG/L	5	47	NA		NA	
Ethylbenzene	UG/L	5		NA		NA	
m&p-Xylene	UG/L	5		NA		NA	
o-Xylene	UG/L	5		NA		NA	
Styrene	UG/L	5		NA		NA	
1,1,2-Trichloroethene	UG/L	5		NA		NA	
Toluene	UG/L	5		NA		NA	
trans-1,2-Dichloroethene	UG/L	5		NA		NA	
Trichloroethene	UG/L	5		NA		NA	
Vinyl chloride	UG/L	2		NA		NA	
Semivolatiles							
2-Methylnaphthalene	UG/L	-	NA		NA		NA
Acenaphthene	UG/L	20	NA		NA		NA
Anthracene	UG/L	50	NA		NA		NA
Benzo(a)anthracene	UG/L	0.002	NA		NA		NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA		NA		NA
Chrysene	UG/L	0.002	NA		NA		NA
Dibenzofuran	UG/L	50	NA		NA		NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

NA - Not analyzed

Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-01	MW-01	MW-02	MW-02	MW-03
Sample ID			MW-01	MW-01	MW-02	MW-02	MW-03
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/07/01	08/08/01	08/07/01	08/08/01	08/07/01
Parameter	Units	Criteria*					
Semivolatiles							
Fluoranthene	UG/L	50	NA		NA		NA
Fluorene	UG/L	50	NA		NA		NA
Naphthalene	UG/L	10	NA		NA		NA
Phenanthrene	UG/L	50	NA		NA		NA
Pyrene	UG/L	50	NA		NA		NA
PCBs							
Aroclor 1254	UG/L	0.09	NA	0.3	NA	0.3	NA
Aroclor 1260	UG/L	0.09	NA		NA		NA
Metals							
senic	UG/L	25	NA	11.0	NA	5.0	NA
Barium	UG/L	1000	NA	301	NA	73.0	NA
Cadmium	UG/L	5	NA		NA		NA
Chromium	UG/L	50	NA		NA		NA
Lead	UG/L	25	NA	7.0	NA	2.0	NA
Mercury	UG/L	0.7	NA		NA		NA
Dissolved Metals							
Arsenic	UG/L	25	NA	27.0	NA	7.0	NA
Barium	UG/L	1000	NA	289	NA	81.0	NA
Lead	UG/L	25	NA		NA	1.0	NA
Mercury	UG/L	0.7	NA		NA		NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

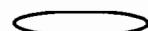
Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-03	MW-04	MW-04	MW-05	MW-05
Sample ID			MW-03	MW-04	MW-04	MW-05	MW-05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/08/01	08/07/01	08/08/01	08/07/01	08/08/01
Parameter	Units	Criteria*					
Volatiles							
1,1-Dichloroethane	UG/L	5	NA		NA		NA
1,1-Dichloroethene	UG/L	5	NA		NA		NA
Acetone	UG/L	50	NA		NA	30	NA
Benzene	UG/L	1	NA		NA	2	NA
cis-1,2-Dichloroethene	UG/L	5	NA		NA		NA
Ethylbenzene	UG/L	5	NA		NA		NA
m&p-Xylene	UG/L	5	NA		NA		NA
o-Xylene	UG/L	5	NA		NA		NA
Styrene	UG/L	5	NA		NA		NA
1,2-Dichloroethene	UG/L	5	NA		NA		NA
Toluene	UG/L	5	NA		NA		NA
trans-1,2-Dichloroethene	UG/L	5	NA		NA		NA
Trichloroethene	UG/L	5	NA		NA		NA
Vinyl chloride	UG/L	2	NA		NA		NA
Semivolatiles							
2-Methylnaphthalene	UG/L	-		NA	12	NA	800
Acenaphthene	UG/L	20		NA		NA	65
Anthracene	UG/L	50		NA		NA	
Benzo(a)anthracene	UG/L	0.002		NA		NA	
bis(2-Ethylhexyl)phthalate	UG/L	5		NA		NA	
Chrysene	UG/L	0.002		NA		NA	
Dibenzofuran	UG/L	50		NA		NA	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-03	MW-04	MW-04	MW-05	MW-05
Sample ID			MW-03	MW-04	MW-04	MW-05	MW-05
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/08/01	08/07/01	08/08/01	08/07/01	08/08/01
Parameter	Units	Criteria*					
Semivolatiles							
Fluoranthene	UG/L	50		NA		NA	
Fluorene	UG/L	50		NA		NA	93
Naphthalene	UG/L	10		NA		NA	59
Phenanthrene	UG/L	50		NA		NA	220
Pyrene	UG/L	50		NA		NA	
PCBs							
Aroclor 1254	UG/L	0.09		NA		NA	
Aroclor 1260	UG/L	0.09		NA		NA	11
Metals							
Arsenic	UG/L	25	6.0	NA	10.0	NA	11.0
Barium	UG/L	1000	749	NA	337	NA	2,390
Cadmium	UG/L	5	6.0	NA		NA	22.0
Chromium	UG/L	50		NA		NA	
Lead	UG/L	25	13.0	NA	96.0	NA	580
Mercury	UG/L	0.7		NA		NA	
Dissolved Metals							
Arsenic	UG/L	25		NA		NA	
Barium	UG/L	1000	77.0	NA	233	NA	405
Lead	UG/L	25		NA	7.0	NA	24.0
Mercury	UG/L	0.7		NA		NA	0.3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-06	MW-06	MW-07	MW-07	MW-08
Sample ID			MW-06	MW-06	MW-07	MW-07	MW-08
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/07/01	08/08/01	08/07/01	08/08/01	08/07/01
Parameter	Units	Criteria*					
Volatiles							
1,1-Dichloroethane	UG/L	5		NA		NA	
1,1-Dichloroethene	UG/L	5		NA		NA	
Acetone	UG/L	50		NA		NA	
Benzene	UG/L	1		NA	36	NA	4
cis-1,2-Dichloroethene	UG/L	5		NA	150	NA	31
Ethylbenzene	UG/L	5		NA	690	NA	
m&p-Xylene	UG/L	5	5	NA	660	NA	6
o-Xylene	UG/L	5		NA	440	NA	
Styrene	UG/L	5		NA	16	NA	
Trichloroethene	UG/L	5		NA		NA	
Toluene	UG/L	5		NA	660	NA	
trans-1,2-Dichloroethene	UG/L	5		NA		NA	7
Trichloroethene	UG/L	5		NA	19	NA	
Vinyl chloride	UG/L	2		NA	10	NA	54
Semivolatiles							
2-Methylnaphthalene	UG/L	-	NA	800	NA	1,100	NA
Acenaphthene	UG/L	20	NA	120	NA	590	NA
Anthracene	UG/L	50	NA		NA	350	NA
Benzo(a)anthracene	UG/L	0.002	NA		NA	150	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	NA		NA		NA
Chrysene	UG/L	0.002	NA		NA	140	NA
Dibenzofuran	UG/L	50	NA	72	NA		NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

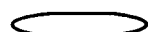
Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-06	MW-06	MW-07	MW-07	MW-08
Sample ID			MW-06	MW-06	MW-07	MW-07	MW-08
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/07/01	08/08/01	08/07/01	08/08/01	08/07/01
Parameter	Units	Criteria*					
Semivolatiles							
Fluoranthene	UG/L	50	NA		NA	270	NA
Fluorene	UG/L	50	NA	200	NA	430	NA
Naphthalene	UG/L	10	NA		NA	3,000	NA
Phenanthrene	UG/L	50	NA	530	NA	1,100	NA
Pyrene	UG/L	50	NA	64	NA	480	NA
PCBs							
Aroclor 1254	UG/L	0.09	NA		NA		NA
Aroclor 1260	UG/L	0.09	NA		NA		NA
Metals							
Arsenic	UG/L	25	NA		NA	6.0	NA
Barium	UG/L	1000	NA	1,660	NA	163	NA
Cadmium	UG/L	5	NA		NA		NA
Chromium	UG/L	50	NA	22.0	NA		NA
Lead	UG/L	25	NA	84.0	NA	36.0	NA
Mercury	UG/L	0.7	NA	0.20	NA		NA
Dissolved Metals							
Arsenic	UG/L	25	NA		NA	8.0	NA
Barium	UG/L	1000	NA	420	NA	106	NA
Lead	UG/L	25	NA	15.0	NA	1.0	NA
Mercury	UG/L	0.7	NA		NA	0.3	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

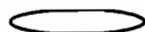
Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-08	NYSDEC-TP-1	NYSDEC-TP-2
Sample ID			MW-08	TP-1-GW	TP-2-GW
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			08/08/01	02/14/01	02/14/01
Parameter	Units	Criteria*			
Volatiles					
1,1-Dichloroethane	UG/L	5	NA		3 J
1,1-Dichloroethene	UG/L	5	NA	1 J	
Acetone	UG/L	50	NA		
Benzene	UG/L	1	NA	2 J	6
cis-1,2-Dichloroethene	UG/L	5	NA	NA	NA
Ethylbenzene	UG/L	5	NA		
m&p-Xylene	UG/L	5	NA		
o-Xylene	UG/L	5	NA		
Styrene	UG/L	5	NA		
tetrachloroethene	UG/L	5	NA	7	
Toluene	UG/L	5	NA		
trans-1,2-Dichloroethene	UG/L	5	NA	29	
Trichloroethene	UG/L	5	NA	84	
Vinyl chloride	UG/L	2	NA	57	18
Semivolatiles					
2-Methylnaphthalene	UG/L	-		NA	NA
Acenaphthene	UG/L	20	13	NA	NA
Anthracene	UG/L	50		NA	NA
Benzo(a)anthracene	UG/L	0.002		NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	5	85	NA	NA
Chrysene	UG/L	0.002		NA	NA
Dibenzofuran	UG/L	50		NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum), Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

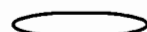
Only Detected Results Reported.

TABLE 7-3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER SAMPLES
153 FILLMORE AVE

Location ID			MW-08	NYSDEC-TP-1	NYSDEC-TP-2
Sample ID			MW-08	TP-1-GW	TP-2-GW
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			08/08/01	02/14/01	02/14/01
Parameter	Units	Criteria*			
Semivolatiles					
Fluoranthene	UG/L	50	8	NA	NA
Fluorene	UG/L	50		NA	NA
Naphthalene	UG/L	10		NA	NA
Phenanthrene	UG/L	50	6	NA	NA
Pyrene	UG/L	50	9	NA	NA
PCBs					
Aroclor 1254	UG/L	0.09		NA	NA
Aroclor 1260	UG/L	0.09		NA	NA
Metals					
Arsenic	UG/L	25	14.0	NA	NA
Barium	UG/L	1000	880	NA	NA
Cadmium	UG/L	5		NA	NA
Chromium	UG/L	50	15.0	NA	NA
Lead	UG/L	25	270	NA	NA
Mercury	UG/L	0.7		NA	NA
Dissolved Metals					
Arsenic	UG/L	25		NA	NA
Barium	UG/L	1000	232	NA	NA
Lead	UG/L	25	2.0	NA	NA
Mercury	UG/L	0.7		NA	NA

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

NA - Not analyzed

Only Detected Results Reported.

8.0 CONCLUSIONS

8.1 General

The data collected during the UST closure and SI indicate that the primary contaminants at the site are VOCs and SVOCs. These contaminants are present in surface and subsurface soils and groundwater. Additionally some metals and minor amounts of PCBs were identified in surface soils. The potential sources and distribution of these contaminants are discussed below.

8.2 Contamination Associated With the USTs

Historical information about operations at the facility and analytical data for liquids collected from the USTs indicate that the USTs were utilized by National Manufacturing for storage of paint thinners (VOCs) and possibly by Envirotek for the storage of waste solvents (VOCs). It does not appear that any SVOCs were stored in these tanks. During the life of the facility, leakage and/or spillage of the solvents occurred in, and around, the USTs. It appears that the primary leakage occurred from UST-1. This tank still had about 18 inches of solvents at the start of the UST removal, and the vent pipe was broken at the point where it originally connected to the top of the tank. Over time, it is likely that the UST gradually filled with groundwater due to infiltration through small holes in the tank or direct inflow through the vent port when groundwater levels rose above the top of the tank. As the groundwater level rose inside the tank, the solvents which are lower in density than water and consequently float on the water, were displaced and pushed out of the broken vent port into the soils surrounding the USTs. Ongoing discharges of solvents from the tank spread both laterally and vertically through the soils around the tanks. Additional leakage from UST-2 or -3 or spillage at the surface in the vicinity of the tanks may have exacerbated the process. As the solvents percolated downward through the soils they eventually contacted the groundwater where they were carried along by groundwater flow and/or moved through the groundwater due to dispersion. This resulted in a 'mounding' of solvents in the soils immediately around the USTs and above the water surface (i.e. typically above 5-7 feet). Contaminant migration in this zone is essentially vertical downward. The solvents in the zone below 5-7 feet (i.e. capillary fringe and water table) are transported laterally by capillary action, groundwater flow and/or dispersion.

This conceptual model is supported by the elevated PID readings and visual/olfactory evidence from the UST excavation that indicated VOC contamination in soils above the water surface (i.e. above 5-7 feet). Additional support is provided by the elevated levels of VOCs (in particular xylene and ethylbenzene) observed in MW-07 and -08 and detectable levels of VOCs in SB-09 (i.e. xylene, ethylbenzene) and NYSDEC TP-1(ethylbenzene).

Based on the data it is evident that both soil and groundwater in the immediate vicinity of the former USTs were impacted by VOCs. However, the majority of the VOC-contaminated soils above the water surface and a large portion of the soils below the water surface around and below the USTs were removed during the UST removal and soil excavation completed as part of the UST closure activities. Additionally, a large volume (60,000 gallons) of VOC-contaminated groundwater was removed during the UST excavations, treated onsite and discharged to the sanitary sewer. The result of these activities is that the 'source' of the VOCs has essentially been eliminated and only some residual VOCs remain on the site. There is still evidence of limited VOC contamination in the soil/groundwater below 5-7 feet. However, this contamination is of limited areal extent and appears to be confined to the site. Groundwater flow across the site (Figure 6-2) is generally to the west or northwest towards Ellicott Creek. The monitoring wells along the western (downgradient) margin of the site (i.e. along Fillmore Avenue) show no VOCs at concentrations that exceed the NYSDEC TOGS 1.1.1 standards for groundwater with the exception of cis-1,2-dichloroethene in MW-01. Consequently, it is concluded that VOCs are essentially confined to soils below the water surface in the general vicinity of the UST excavation and that offsite migration of VOCs associated with solvents from the USTs is very limited, or non-existent.

8.3 SVOC Contaminated Areas

As discussed above, SVOCs consisting primarily of PAHs were detected in the subsurface soils at concentrations exceeding TAGM 4046 criteria in MW-07, MW-05, SB-06, -08 and -09. The greatest number of compounds and the highest concentrations were recorded in MW-07 with decreasing number/concentrations in the other locations. The lowest concentrations were in SB-09. The groundwater data reflects the soil conditions with SVOCs being detected at concentrations exceeding the TOGS 1.1.1 standards for groundwater in MW-05, -06 and -07. The greatest number

of compounds and the highest concentrations were in MW-07. In general, the type of contaminants were similar in all three wells, however, the number/concentrations decreased in a northerly direction, with the lowest concentrations being in MW-05. The distribution and concentrations of SVOCs in these three wells may be indicative of a source being located in the southeast corner of the site near MW-07. However, it is also possible that these SVOCs are related to spills and or leakage that may have occurred in the eastern portion of the site along the toe of the railroad embankment from facility operations conducted in this portion of the site. As noted the four ASTs and the overhead/underground piping in this area show evidence of having stored and/or conveyed very heavy oils/tar-like materials. These ASTs and the associated piping are most likely related to the manufacturing/supply of roofing materials that was conducted at the facility from 1947-1956, and possibly more recently. During the SI, it was discovered that AST-1 was leaking a very heavy, viscous oil onto the ground under the tank. Sorbents were used to contain the oils under the AST. Analysis of liquids leaking from AST-1 onto the ground (Table 3-1 and Appendix B-1) indicated non-hazardous lube-type oils. The oils in AST-1 and on the ground under the AST were vacuumed and disposed at Vexor Technology, Inc., in Medina, Ohio.

It is also possible that leakage and/or spillage of petroleum products associated with the active rail line along the eastern margin of the site or migration of contaminants from industrial properties and/or inactive hazardous waste sites east of the railroad tracks may be the source of the SVOCs. Additionally, some of the workers at the facility located immediately north of the site, stated that a roofing company had previously occupied the property. While they were there, they reportedly placed roofing shingles in the parking lot area and cleaned the roofing equipment in the back portions of the property (i.e. in the general area of the northeastern corner of the 153 Fillmore site). The cleaning solutions were apparently discharged onto the ground. While no direct evidence of these discharges was observed, the contaminants detected in the soils and groundwater are consistent with such a scenario. Additionally, numerous large 'blebs' of tar-like material were encountered in the near-surface soils in the northeast corner of the site during clearing and grubbing operations associated with preparation of the temporary soil stockpile areas. The tar materials also may be associated with the historic manufacture/supply of roofing materials at the site.

Whereas there is only limited data available regarding the usage and type of product stored in the USTs, the historical and analytical data that is available, indicates that the USTs were utilized solely for the storage of VOCs. Consequently, it appears that the SVOCs detected in the soils and groundwater at the site are not directly related to leakage of product from the USTs.

With respect to SVOC contamination observed in groundwater at the site, it is possible that the elevated levels of SVOCs may be attributed in whole, or in part, to PAHs that have adsorbed onto the soil grains. The purging/sampling records from the wells indicate that the groundwater samples were turbid. Consequently, the sediment in the samples may have contained PAHs. A similar situation occurred with the metals concentrations in the groundwater samples. The data indicates that the total metal concentrations (i.e. unfiltered samples) were higher than the dissolved metal concentrations (i.e. filtered samples). The filtered samples were not analyzed for SVOCs.

9.0 IDENTIFICATION AND DEVELOPMENT OF REMEDIAL ALTERNATIVES

9.1 Introduction

This section presents the methodology and rationale used to develop remedial action alternatives for the 153 Fillmore Avenue site.

9.2 Remedial Action Objectives

The objective of the NYSDEC Voluntary Cleanup Program is to investigate and evaluate sites that have been impacted due to real or perceived environmental contamination so that they can be remediated, as necessary, and redeveloped. This objective includes the identification and development of remedial alternatives. In order to evaluate the practicality and feasibility of meeting this objective, it has been assumed that the site will continue to be used solely for commercial/industrial purposes. Appropriate remedial action alternatives based on commercial/industrial land use were subsequently developed and evaluated. A remedy for the site was then selected from these alternatives.

9.3 Standards, Criteria and Guidance Values

As noted above, contaminants were detected both in soil and groundwater at the site. Consequently, the following documents were utilized in order to determine whether or not the concentrations exceeded regulatory standards, guidance values or other criteria established for soil and groundwater.

- NYSDEC Technical and Administrative Guidance Memorandum HWR-94-4046 Determination of Soil Cleanup Objectives and Cleanup Levels, January 1994 (TAGM 4046)
- NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1)

It is to be noted that the TAGM 4046 criteria have been developed based on residential use scenarios. Consequently, with industrial re-use scenarios, as proposed for this site, these criteria are used for initial screening of the site. Final cleanup goals subsequently are developed on a case by case basis with the NYSDEC and NYSDOH. Likewise, the TOGS 1.1.1 criteria are used in cases where the groundwater is utilized, or may be potentially utilized in the future, as a source of drinking water. Considering that groundwater is not now, or likely to be in the future, a source of drinking water, the TOGS 1.1.1 criteria are used for initial screening of the site. Final cleanup goals will be developed with the NYSDEC and NYSDOH.

9.4 Qualitative Risk Assessment

9.4.1 Chemicals of Concern

Contaminants detected at the site at concentrations exceeding TAGM 4046 and/or TOGS 1.1.1 are identified in Tables 7-1, -2 and -3, and include the following:

Surface Soils

- SVOCs consisting of Benzo(a) anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzofuran, Fluoranthene, Indeno(1,2,3-cd)pyrene, naphthalene, Phenanthrene and pyrene
- PCBs
- Metals – arsenic, barium, cadmium, chromium, lead and mercury

Subsurface Soils

- VOCs – acetone and m&p-xylene
- SVOCs consisting of 2-methylnaphthalene, Acenaphthene, Benzo(a) anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenzofuran, naphthalene and Phenanthrene
- Metals – chromium

Groundwater

- VOCs – benzene, cis-1,2-dichloroethene, ethylbenzene, m&p-xylene, o-xylene, styrene, toluene, trichloroethene and vinyl chloride
- SVOCs - Acenaphthene, anthracene, Benzo(a) anthracene, Chrysene, fluoranthene, fluorene, naphthalene, Phenanthrene and pyrene
- PCBs – Aroclor 1254, Aroclor 1260
- Metals (dissolved) - Arsenic

9.4.2 Potential Exposure Pathways

The primary routes of human exposure to VOCs, SVOCs , PCBs and metals include inhalation or ingestion of vapors or contaminated dust as well as dermal contact. In general, the SVOCs, PCBs and metals are not very mobile in soils, in that they have low solubility in water, do not volatilize readily and tend to adsorb to the soil grains.

9.4.3 Potential Receptors

Potential receptors that may be exposed to contaminants at the site include construction workers, future workers/visitors at the site and trespassers.

9.4.4 Risk Assessment

The primary risk at the site is associated with surface soils that are contaminated with SVOCs, PCBs and metals. Whereas all the surface soils sampled exhibited exceedances of the TAGM 4046 criteria for one or more parameters, the highest concentrations and greatest number of compounds were identified in the northeastern portion of the site. It is to be noted that several SVOCs, consisting primarily of cPAHs, and metals (Arsenic, Cadmium, Chromium and Mercury) were detected in the background surface soil samples (SS-12 and -13) at concentrations exceeding TAGM 4046 criteria. The concentrations of the detected compounds in the background samples were generally similar or lower than the on-site samples. Human

exposure may result from direct dermal contact with the soils, or inhalation or ingestion of contaminated dust.

Subsurface soils at the site also contain SVOCs, some VOCs and one metal (chromium) at concentrations that exceed the TAGM 4046 criteria. However, the concentrations and number of compounds are generally lower than in the surface soils. Additionally, the potential for human exposure to contaminants in the subsurface soils is much more limited. Future industrial/commercial site workers/visitors will not be exposed to the subsurface soils unless the areas are disturbed by excavation or other similar activities. Future construction workers may be exposed via dermal contact and inhalation or ingestion of contaminated dust or inhalation of vapors during excavations (i.e. footers, foundations, utility lines, etc.) that penetrate below the ground surface. VOCs consisting of acetone and xylene were detected at concentrations exceeding TAGM 4046 criteria in only one location on the site (i.e. MW-07) at a depth of 2-4 feet. Additionally, the VOC concentrations were relatively low. Consequently, it is unlikely that the VOCs could volatilize sufficiently to present an inhalation exposure pathway to someone working on site above the ground surface in the vicinity of MW-07. This is supported by air monitoring data collected in the UST area prior to initiation of remedial activities that did not show any elevated readings in the breathing zone. Only after the soils in this area were disturbed did the air monitoring indicate elevated levels of VOCs in the breathing zone. Additionally, the majority of the VOC-contaminated soils at depths less than 5 feet have been excavated and removed and the areas backfilled with clean soils.

Whereas groundwater at the site contains VOC and SVOCs at concentrations exceeding the TOGS 1.1.1 criteria in some locations, it was determined to pose only a minor risk to human health. In general, groundwater is encountered at the site at depths greater than 5 to 7 feet with flow to the west-northwest. The elevated levels of SVOCs and VOCs were detected in the upgradient wells along the eastern margin of the site, along the toe of the railroad embankment. No elevated levels were detected in the downgradient wells located along Fillmore Avenue with the exception of one compound (cis-1,2-dichloroethene) in MW-01. This indicates that there is very limited, if any, offsite migration of VOCs from the site. SVOC data in MW-05, -06, and -07 indicates a possible plume along the toe of the railroad embankment that may be migrating in a general northerly direction. Concentrations of SVOCs in MW-05, the most northerly well, are

lower than those observed in MW-06 and -07. However, the concentrations still exceed the groundwater criteria. Considering that this well is within about 50 feet of the property line, it is possible that there is some offsite migration of SVOCs from the site to the north.

In any case, the entire area is adequately supplied by public water. Consequently, groundwater is not a current or likely future source of drinking water. The only other potential human exposure would be to construction workers in excavations that extend to below the groundwater surface. Inasmuch as the groundwater surface is generally below 5 to 7 feet, it is highly unlikely that any future excavations for foundations (typically 3 – 4 feet) or utilities (typically 3 to 6 feet) will encounter the groundwater.

Based on the above discussions, the remedial alternatives developed for this site need to focus on eliminating or minimizing potential dermal contact and ingestion or inhalation of contaminated dust associated primarily with surface soils and to a much lesser extent, subsurface soils and groundwater at the site.

9.5 General Response Actions

General response actions may be applied at a site to meet the remedial action objective. They may include treatment, containment, excavation, extraction, disposal, institutional controls, no action, or a combination of responses. The following general response actions were identified for soils and groundwater at the site:

- Containment;
- Excavation and off-site disposal;
- Institutional controls; and,
- No action.

Treatment of soil and/or groundwater, either on-site or off-site, was not included as a general response action due to the high cost of treatment and the limited nature of the contamination, which consists primarily of SVOCs (mostly PAHs), with some very limited VOCs and metals. PAHs are difficult to destroy, either by incineration or biodegradation, and

these compounds are difficult to remove from soils as vapors. Mobilization and operation of an on-site treatment system would be costly considering the size of the site, the low volume of contaminated soils and/or groundwater, and the relatively low levels of contaminants in both media.

9.6 Development of Alternatives

The general response actions identified in Section 9.5 have been assembled into remedial action alternatives that address the contamination concerns at the site. Four alternatives were developed which include:

- Alternative 1 - No Action;
- Alternative 2 - Institutional Controls;
- Alternative 3 - Partial Containment and Institutional Controls;
- Alternative 4 - Partial Excavation with On-site Re-use, Containment, and Institutional Controls; and
- Alternative 5 - Partial Excavation with Off-site Disposal, Containment and Institutional Controls.

These alternatives are evaluated in Section 10.0.

10.0 DETAILED ANALYSIS OF ALTERNATIVES

10.1 Introduction

A detailed analysis of the remedial action alternatives developed for the site consists of the presentation and analysis of relevant information necessary to select a remedy for the site. The proposed alternatives were analyzed in this report using the following seven evaluation criteria as defined in 6 NYCRR 375:

1. Overall protection of human health and the environment;
2. Compliance with remedial action objectives;
3. Short-term effectiveness;
4. Long-term effectiveness and permanence;
5. Reduction of toxicity, mobility, and volume;
6. Implementability; and,
7. Cost.

The criterion of community acceptance will be evaluated by NYSDEC following issuance of the proposed plan.

10.2 Individual Analysis of Alternatives

The components of each alternative are further defined in the following paragraphs with regard to volumes or areas of contaminated media to be addressed; the technologies to be used; and any performance requirements associated with those technologies. It is to be noted that removal and off-site disposal of the stockpiled soils from the UST excavation/removal is common to all of the alternatives. Therefore, the cost of the removal/disposal has not been included in evaluation of alternatives

10.2.1 Alternative 1 – No Action

Under the No Action alternative, the stockpiled soils from the UST excavation/removal would be removed and disposed off site. However, no remedial activities would take place on site to remove, contain, or treat contaminated soils and/or groundwater. The surface and subsurface soils would remain on-site in their present condition. Groundwater also would be left in its current condition. In addition, no institutional controls would be implemented.

This alternative is easy to implement and has no cost associated with it. However, it does not comply with the remedial goals in that it does not eliminate direct contact hazards or the potential for inhalation or ingestion of contaminated dust associated primarily with surface soils and to a lesser extent subsurface soils at the site. Additionally, it is not effective either in the short or long-term and does not reduce the toxicity, mobility, or volume of the contaminants.

10.2.2 Alternative 2 – Institutional Controls

Under this alternative, the stockpiled soils from the UST excavation/removal would be removed and disposed off site. Additionally, institutional controls, consisting of deed restrictions limiting future use of the site to commercial/industrial purposes and development of guidelines for future excavation activities at the site would be implemented. Future use of groundwater would also be restricted and/or prohibited.

This alternative is relatively easy to implement and has only minimal cost associated with it. However, it does not comply with the remedial goals in that it does not eliminate direct contact hazards or the potential for inhalation or ingestion of contaminated dust associated primarily with surface soils and to a lesser extent subsurface soils at the site. Additionally, it is not effective either in the short or long-term and does not reduce the toxicity, mobility, or volume of the contaminants.

10.2.3 Alternative 3 – Partial Containment and Institutional Controls

Under this alternative, the stockpiled soils from the UST excavation/removal would be removed and disposed off site. The surface and subsurface soils and groundwater would be left in their current condition. However, the contaminated surface soils over the entire site would be graded, as necessary, then covered with a 12-inch layer of clean soil suitable to sustain vegetative growth (i.e., grass) or paved with 8 inches of crushed stone and 4 inches of asphalt. The extent of the areas to be covered with soil and/or asphalt will be dependent on future site development plans. The soils around the perimeter of the site would be excavated to a depth of 12 inches, so that the top of the final cover soil layer matches the elevation of surrounding properties. Institutional controls, consisting of deed restrictions limiting future use of the site to commercial/industrial purposes and development of guidelines for future excavation activities at the site would be implemented. Future use of groundwater would also be restricted and/or prohibited.

This alternative would be relatively easy to implement in that it only requires grading of the site followed by placement and spreading of clean soil. The cost is moderate due to the need to import and place sufficient soils to cover the entire site (i.e., 2 acres) with 12 inches of soil (i.e., about 3,200 cy) and/or asphalt (9,680 sy). Additionally, it complies with the remedial goals and eliminates all direct contact hazards and the potential for inhalation and/or ingestion of contaminated dust associated with surface soils. It also eliminates the potential for direct contact with subsurface soil and/or groundwater with the exception of construction workers during excavations that penetrate through the clean cover soils or paved areas. This alternative is effective in both the short and long-term, assuming the integrity of the soil/asphalt cover is maintained. It reduces the mobility; however, it does not reduce the toxicity or volume of the contaminants.

10.2.4 Alternative 4 – Partial Excavation with On-Site Reuse, Containment and Institutional Controls

Under this alternative, the stockpiled soils from the UST excavation/removal would be removed and disposed off-site. An additional 12" of soil would be excavated from the NE corner of the site in the area with elevated levels of PAHs, metals, and PCBs in the surface soils. Surface soils across the western half and southeast quadrant of the site also would be excavated and or graded as necessary to allow placement of 12-inches of imported clean cover soil and/or asphalt

such that finished grades at property boundaries match grades of surrounding properties and positive drainage is maintained. Site excavation/grading would be performed using traditional earth moving equipment such as backhoes and bulldozers. Excavated material would be placed in the northeastern quadrant of the site in 6-inch lifts and compacted until the area is backfilled to the original ground surface. Excess soils would be utilized to fill other low areas of the site or disposed off-site. The contaminated subsurface soils exposed by the excavation would be 'capped' with 12 inches of clean soil imported from off-site commercial suppliers or paved with 8 inches of crushed stone and 4 inches of asphalt. Areas of the site that previously have been backfilled with clean soils or C&D materials (i.e., UST excavation area and the areas previously occupied by buildings that were demolished) will be capped with four inches of clean soil to allow vegetative growth. Additionally, the existing parking lot in the northwest corner of the site, which is constructed of compacted stone, will be paved only with the 4 inches of asphalt. No additional sub-base is required. The extent of the areas to be covered with soil and/or asphalt will be dependent on future site development plans. The subsurface soils and groundwater would remain in their present condition. Institutional controls, consisting of deed restrictions limiting future use of the site to commercial/industrial purposes and development of guidelines for future excavation activities at the site would be implemented. Future use of groundwater would also be restricted and/or prohibited.

This alternative would be more difficult to implement in that it involves all the activities in Alternative 3 plus the excavation/grading of soil over about three quarters of the site. Additionally, the excavated soil has to be placed and compacted on site to the required grades. This alternative would also be slightly more expensive than Alternative 3 due to the additional soil excavation and placement/compaction required. It does, however, comply with the remedial goals and eliminates all direct contact hazards and the potential for inhalation and/or ingestion of contaminated dust associated with surface soils. It also eliminates the potential for direct contact with subsurface soil and/or groundwater with the exception of construction workers during excavations that penetrate through the clean cover soils. By removing the most highly contaminated surface soils, consolidating the remaining surface soils into a smaller area of the site, and restricting surface water infiltration in paved areas, this alternative also reduces the overall mobility, toxicity, and volume, of the contaminants at the site. This alternative is effective in both the short and long term, assuming the integrity of the soil/asphalt cover is maintained.

10.2.5 Alternative 5 – Partial Excavation with Off-Site Disposal, Containment and Institutional Controls

Under this alternative, the stockpiled soils from the UST excavation/removal would be removed and disposed off-site. Additionally, surface soils would be excavated to a depth of six inches across the entire site and be disposed off-site. Site excavation would be performed using traditional earth moving equipment such as backhoes and bulldozers. Excavated material would be transported using permitted waste haulers to a landfill permitted to accept non-hazardous contaminated soils. The excavated soils would be covered during transport. The excavated areas would be backfilled to original grade with clean fill materials imported from off-site commercial suppliers. Alternatively, the excavated areas would be paved with 4 inches of crushed stone and 4 inches of asphalt. The extent of the areas to be covered with soil and/or asphalt will be dependent on future site development plans. The subsurface soils and groundwater would remain in their present condition. Institutional controls, consisting of deed restrictions limiting future use of the site to commercial/industrial purposes and development of guidelines for future excavation activities at the site would be implemented. Future use of groundwater would also be restricted and/or prohibited.

This alternative would be equally difficult to implement as Alternative 4, in that it involves all the same elements with the exception that all the surface soils would be excavated and disposed off site. This alternative would also be considerably more expensive to implement, as the cost of off site disposal for the surface soils would be significantly higher than re-using them on site. This alternative complies with the remedial goals and eliminates all direct contact hazards and the potential for inhalation and/or ingestion of contaminated dust associated with surface soils. It also eliminates the potential for direct contact with subsurface soil and/or groundwater with the exception of construction workers during excavations that penetrate through the clean cover soils. By removing the most highly contaminated soils from the site and restricting surface water infiltration in paved areas this alternative also reduces the overall toxicity, mobility and volume of the contaminants at the site. This alternative is effective in both the short and long-term, assuming the integrity of the soil/asphalt cover is maintained.

10.3 Selected Remedial Alternative

Based on the analysis of alternatives presented above, it is recommended that Alternative 4 - Partial Excavation with on-site reuse, Containment and Institutional Controls, be implemented at the site. This alternative provides a high degree of protection to human health and the environment, is reasonably cost effective, and relatively easy to implement.

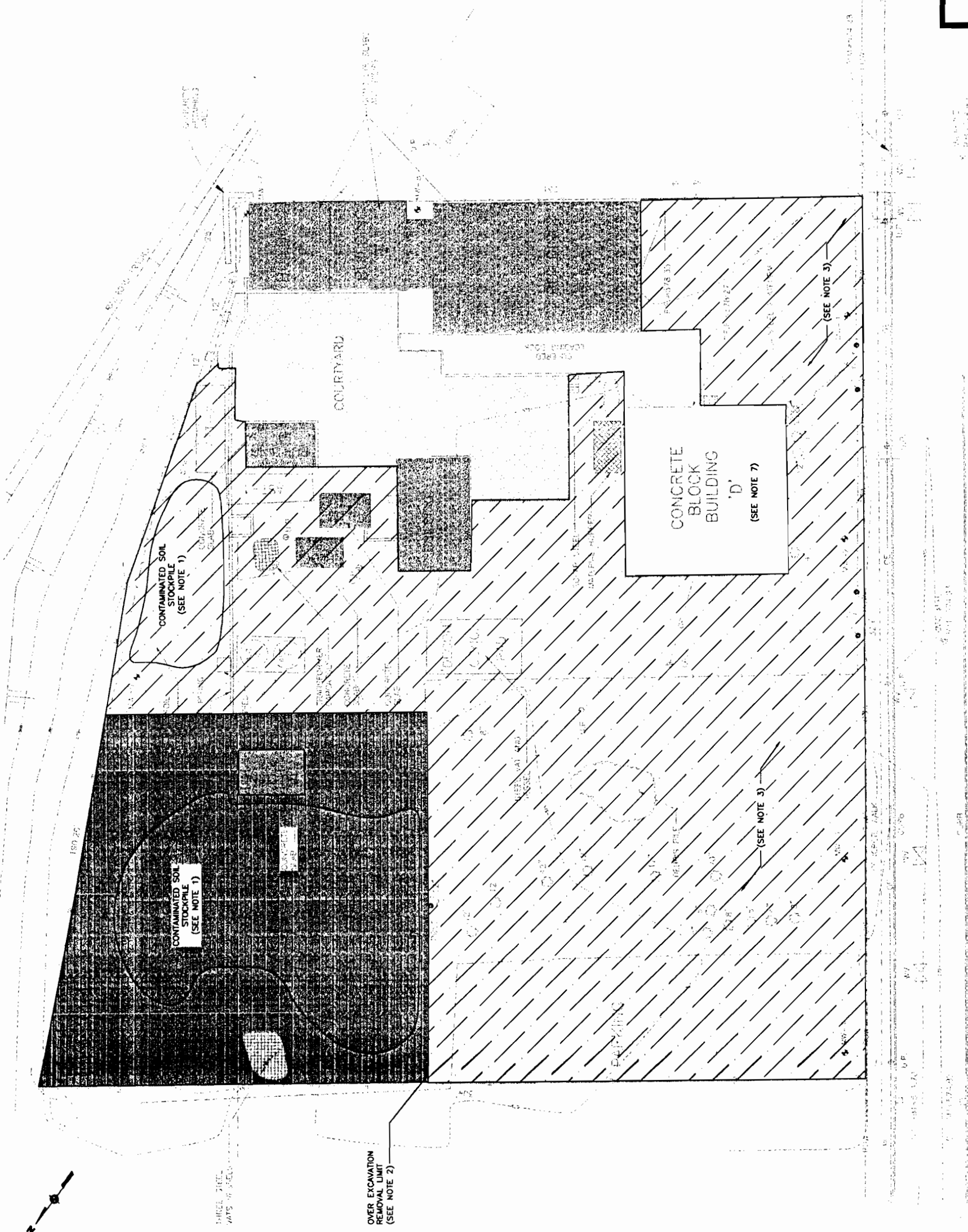
This alternative, in large part, satisfies the remedial objectives in that it eliminates all direct contact hazards and the potential for inhalation and/or ingestion of contaminated dust associated with surface and subsurface soils at the site. The only potential exposure is to construction workers during excavations that penetrate through the clean cover soils or asphalt. This potential exposure route will be minimized by development of soils management procedures to be followed during any future on-site excavations, and deed restrictions that require the cover soils to be maintained. This alternative also reduces the mobility, toxicity, and volume of the contaminants, by removing the most highly contaminated surface soils and by restricting surface water infiltration and wind blown dust at the surface.

Whereas, this alternative is more expensive than Alternative 3 and less expensive than Alternative 5, it affords future site workers/visitors a high level of protection, assuming the soil/asphalt cover is maintained. This is primarily due to the fact that the most contaminated surface soils will be removed and the remaining SVOCs, metals, and PCBs in the subsurface soils are not very mobile, even under existing site conditions, and will be even less mobile once the site is capped.

The approximate limits of soil excavation and grading are shown on Figure 10-1. The tentative limits of soil capping and asphalt placement are shown n Figure 10-2.

- NOTES:
1. CONTAMINATED SOIL STOCK PILES FROM UST EXCAVATION TO BE REMOVED AND DISPOSED IN PERMITTED FACILITY.
 2. SITE SOILS TO BE REMOVED TO DEPTH OF 12" BELOW EXISTING GROUND SURFACE. BERMED MATERIAL AROUND SOIL STOCKPILE ALSO TO BE REMOVED. ALL SOILS TO BE DISPOSED OFF SITE IN A PERMITTED FACILITY.
 3. EXISTING SITE SOILS TO BE EXCAVATED AND GRADED AS NECESSARY TO ALLOW PLACEMENT OF 12" OF IMPORTED CLEAN COVER SOIL AND/OR ASPHALT SUCH THAT FINISHED GRADES AT PROPERTY BOUNDARIES MATCH GRADES OF SURROUNDING PROPERTIES. EXCESS SOIL TO BE USED AS FILL IN SLAB REMOVAL AREAS, RETAINING WALL, AND EXCAVATED AREA IN NORTHERN PORTION OF SITE.
 4. EXISTING DRAINAGE SWALES ARE TO BE MAINTAINED.
 5. FINAL SITE GRADING MUST PROVIDE POSITIVE DRAINAGE FROM THE SITE.
 6. ALL EXISTING MONITORING WELLS ARE TO BE PROTECTED FROM DAMAGE.
 7. CONCRETE BLOCK BUILDING AND LOADING DOCK TO REMAIN. CARE SHOULD BE EXERCISED TO PROTECT EXISTING STRUCTURE DURING RESTORATION PROJECT.

LEGEND	
	WATER VALVE
	SANITARY MANHOLE
	UTILITY POLE
	UTILITY POLE / GUY WIRE
	HYDRANT
	SIGN
	GAS SERVICE VALVE
	WATER SERVICE VALVE
	6" TREE
	MANHOLE
	OVERHEAD ELECTRIC
	EXISTING GAS LINE
	EXISTING SANITARY SEWER
	PROPERTY LINE
	RIGHT OF WAY LINE
	FENCE LINE
	EXISTING MONITORING WELL
	DEMOLISHED (4/01)
	APPROXIMATE LIMIT OF UST EXCAVATION
	APPROXIMATE LIMIT OF SOIL EXCAVATION
	APPROXIMATE LIMIT OF SOIL GRADING



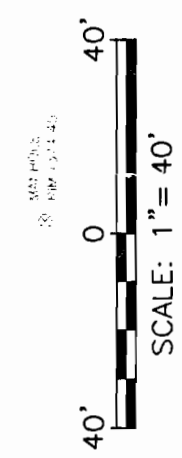
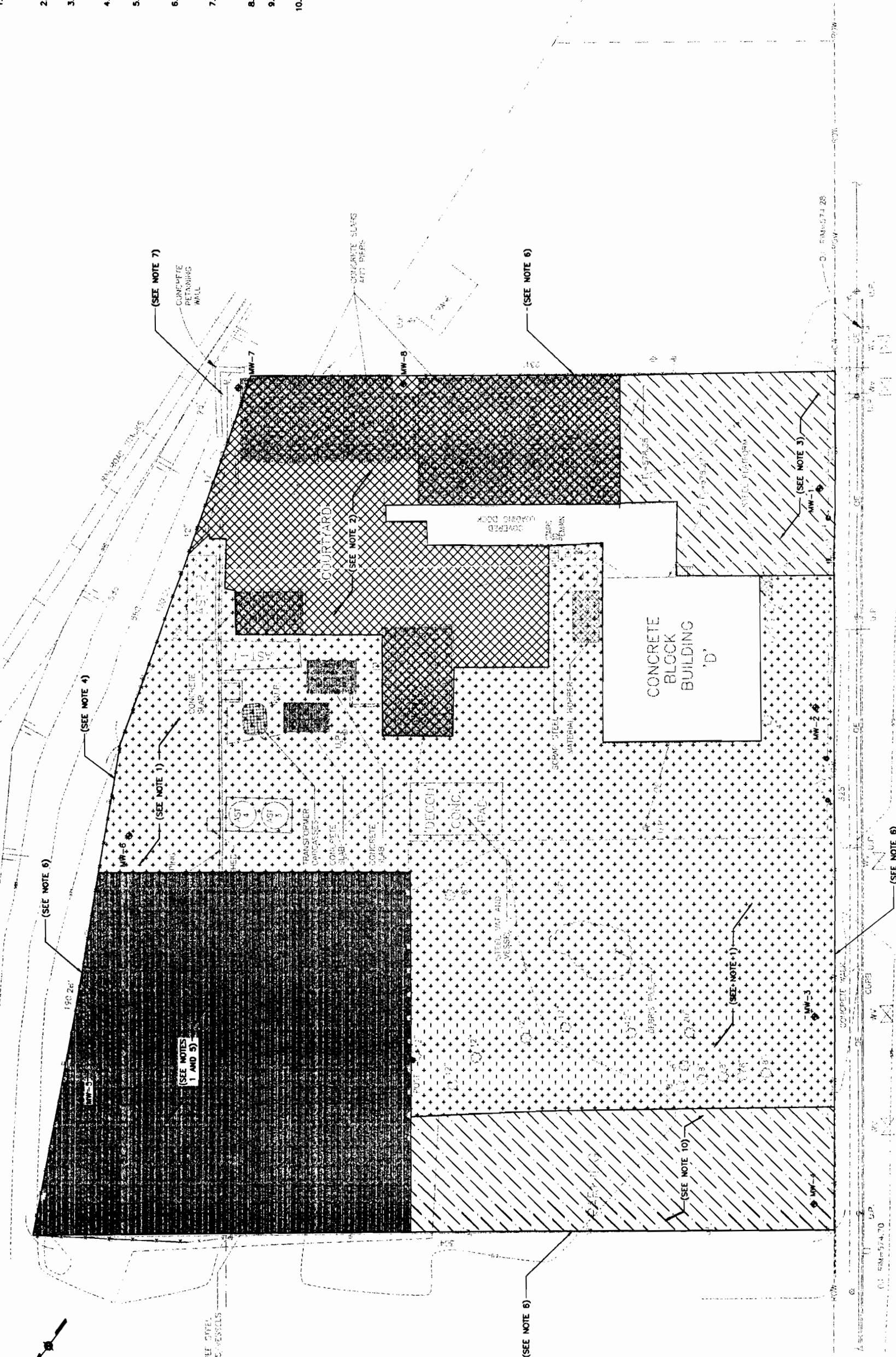
ALTERNATIVE 4 –
LIMITS OF EXCAVATION / GRADING



FIGURE 10-1

- NOTES:
1. AREAS TO BE COVERED WITH A MINIMUM OF 12" OF 'CLEAN' SOIL FREE OF DEBRIS, FROZEN MATERIAL, LARGE CLODS, OR STONES SUITABLE TO SUSTAIN VEGETATIVE GROWTH.
 2. AREAS TO BE COVERED WITH MINIMUM OF 4" OF 'CLEAN' SOIL SUITABLE TO SUSTAIN VEGETATIVE GROWTH.
 3. AREAS TO BE PAVED WITH ASPHALT (8" CRUSHED STONE 2 1/2" BINDER, 1 1/2" TOPPING).
 4. NEW FENCE TO BE INSTALLED ALONG FULL-LENGTH OF NORTHEAST PROPERTY LINE.
 5. OVEREXCAVATION AREA TO BE BACKFILLED WITH ON/OFFSITE SOILS AS NECESSARY AND GRADED TO ENSURE POSITIVE SITE DRAINAGE.
 6. AREAS TO BE GRADED SUCH THAT FINAL ELEVATIONS MATCH SURROUNDING PROPERTY GRADES AND MAINTAIN EXISTING DRAINAGE SWALES, AS APPLICABLE.
 7. AREA TO BE BACKFILLED WITH COMPACTED FILL AND GRADED TO MATCH EXISTING GRADES ON RAILROAD EMBANKMENT. MW-7 TO BE EXTENDED AS NECESSARY.
 8. ALL AREAS OF EXPOSED SOIL ARE TO BE SEEDED.
 9. D.I. TO REMAIN, GRADE SURROUNDING AREA TO MAINTAIN DRAINAGE (RETAIN D.I. AT EXISTING ELEVATION).
 10. AREA TO BE PAVED WITH ASPHALT ONLY (2 1/4" BINDER, 1 1/4" TOPPING)

LEGEND	
	WATER VALVE
	SANITARY MANHOLE
	UTILITY POLE
	UTILITY POLE / GUY WIRE
	HYDRANT
	GAS SERVICE VALVE
	WATER SERVICE VALVE
	6" TREE
	MANHOLE
	OVERHEAD ELECTRIC
	EXISTING GAS LINE
	EXISTING SANITARY SEWER
	PROPERTY LINE
	RIGHT OF WAY LINE
	NEW FENCE LINE
	EXISTING MONITORING WELL
	DEMOLISHED (4/01)
	APPROXIMATE LIMIT OF 2001 US EXCAVATION
	APPROXIMATE LIMIT OF 12" OF 'CLEAN' SOIL (SEE NOTE 1)
	APPROXIMATE LIMIT OF 12" OF 'CLEAN' SOIL (SEE NOTE 1 & 5)
	APPROXIMATE LIMIT OF 4" OF 'CLEAN' SOIL (SEE NOTE 2)
	APPROXIMATE LIMIT OF ASPHALT PAVING (SEE NOTES 3 & 10)



FILLMORE (S&S) AVENUE

D.I. RM-574.25
S&S RM-571.93

APPENDIX A

PREVIOUS INVESTIGATION REPORTS

FEDERAL ON-SCENE COORDINATOR'S REPORT

ENVIROTEK I TONAWANDA, ERIE COUNTY, NEW YORK

SITE IDENTIFICATION #2P

NPL STATUS: NON-NPL

July 18, 1989 through October 15, 1990

Document Control No.: TAT-02-F-06844

Prepared by:

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Prepared for:

**United States Environmental Protection Agency, Region II
Removal Action Branch
Edison, New Jersey 08837**

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EXECUTIVE SUMMARY

Site & Location: Envirotek I
153 Fillmore Avenue
Tonawanda, Erie County, New York

Initial Assessment: November 29 - 30, 1988
Project Dates: July 18, 1989 - October 15, 1990

INCIDENT DESCRIPTION:

The Envirotek I Site is an abandoned paint manufacturing facility located on Fillmore Avenue in Tonawanda, Erie County, New York. Prior to abandonment, Envirotek I became a non-permitted treatment, storage and disposal facility for hazardous materials. The hazardous materials stored on site included an estimated 770 fifty-five gallon drums and 10,000 smaller containers containing substances classified as flammable, combustible, corrosive and otherwise hazardous materials. Several processing vessels, four large aboveground storage tanks, two underground storage tanks and six transformers were also present on Site.

The New York State Department of Environmental Conservation (NYSDEC) referred the Site to the U.S. Environmental Protection Agency (EPA) on June 29, 1987. The EPA Response and Prevention Branch (RPB), assisted by the Technical Assistance Team (TAT), performed the Site assessment at the Site on November 29 and 30, 1988.

ACTIONS:

An Action Memorandum, funding the removal action, was approved by the Acting Regional Administrator on April 28, 1989. On July 10, 1989, a site perimeter fence was installed to restrict access to the Site. On July 18, 1989, the EPA, TAT and the Emergency Response Cleanup Services (ERCS) contractor mobilized to the Site to initiate removal action activities, including providing site security, material stabilization, cleanup and off-site disposal of materials. During this removal action, all hazardous substances were identified and categorized; the majority of materials were bulked into compatible waste groups to reduce disposal costs. A total of 31,165 gallons of liquids and 11,655 pounds of solids were incinerated; 204 cubic yards (yards³) of solids were landfilled; 990 gallons of liquids were treated and 61,975 pounds of solid materials were accepted for recycling. Labpacks generated were incinerated, which included 490 labpacks and 469 five-gallon pails. Disposal and transportation costs of the pails were significantly reduced through palletizing the containers, instead of labpacking the materials.

Jack Harmon, OSC
U.S. EPA, Region II
Removal Action Branch
Edison, New Jersey

I. SUMMARY OF EVENTS

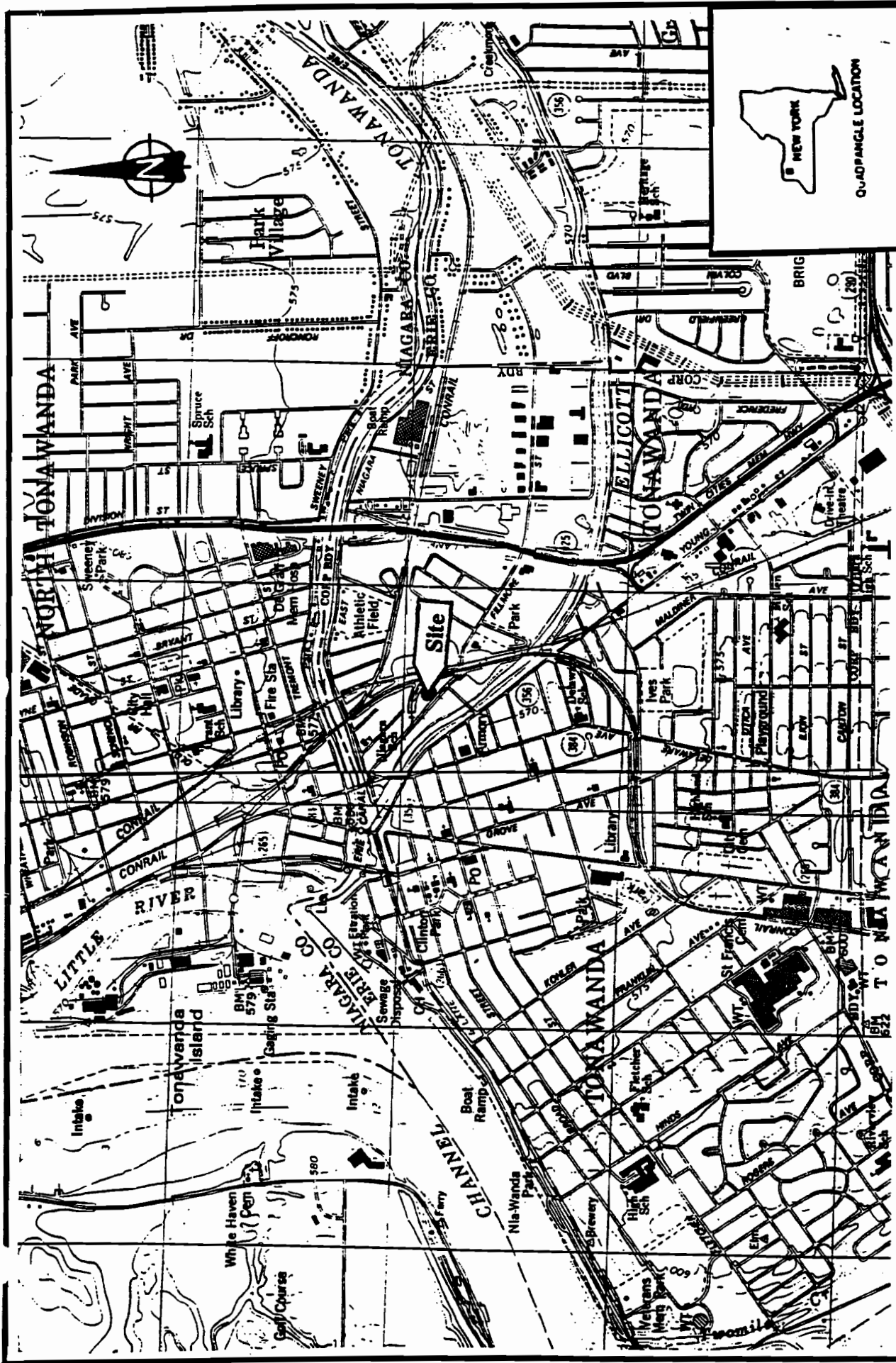
A. Site Conditions and Background

1. Initial Situation

The Envirotek I Site is a vacant paint manufacturing facility, which consisted of 12 dilapidated buildings on approximately 1.7 acres of land, and is located at 153 Fillmore Avenue, Tonawanda, Erie County, New York (see Figures 1 and 2). The Site is located in a small industrial area adjacent to a residential neighborhood containing several thousand residents. The Site is bounded on the east by an active railroad line, to the north and south by small industrial operations and on the west by Fillmore Avenue, a heavily travelled thoroughfare. The closest public building is the Tonawanda Municipal Town Hall, located 200 feet to the east of the Site.

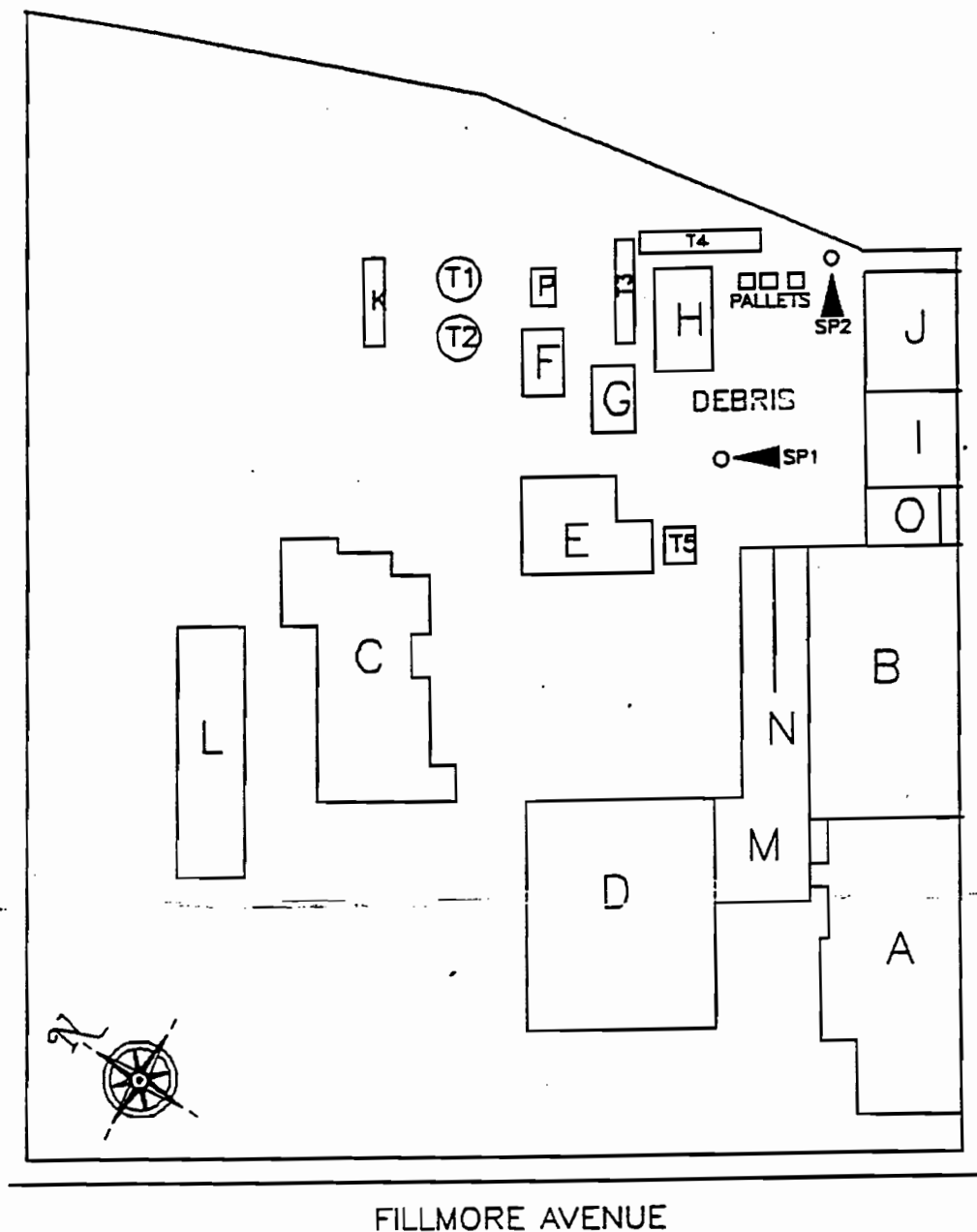
The facility was owned by the National Manufacturing Corporation from 1957 until 1981, and was operated as a paint manufacturing facility. From approximately 1981 to 1986, the Site was owned and operated by Envirotek, Ltd., a solvent recycling business which had its primary place of business at 4000 River Road, Tonawanda, New York. In 1988, the Site was abandoned. Beginning in 1981 and continuing through 1986, drums containing hazardous substances were illegally transported to and stored by Envirotek at the Site.

The NYSDEC referred the Site to EPA on June 29, 1987. The EPA and TAT performed the site assessment on November 29 and 30, 1988 to determine the types of hazardous materials and quantities present at the Site. An Action Memorandum, requesting funding approval to proceed with a removal action, was approved by the Acting Regional Administrator on April 28, 1989.



WESTON AN ASSOCIATION WITH FOSTER WHEELER USA CORPORATION, C.C. JOHNSON & MALHOTRA, P.C., RESOURCE APPLICATIONS, INC., R.E. SARRIERA ASSOCIATES, AND GRB ENVIRONMENTAL SERVICES, INC.	Roy F. Weston, Inc. FEDERAL PROGRAMS DIVISION	EPA PM Jack Harmon	Figure 1: Site Location Map
TAT PM Diane Delap	Envirotek #1 Site Tonawanda, NY		

Envirotek Site Map
153 Fillmore Avenue
Tonawanda, NY 14150



Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH FOSTER WHEELER USA CORPORATION,
C.C. JOHNSON & MALHOTRA, P.C., RESOURCE APPLICATIONS, INC.,
R.E. SARRIERA ASSOCIATES, AND GRB ENVIRONMENTAL SERVICES, INC.

EPA PM

Jack Harmon

TAT PM

Diane Delap

**Figure 2: Site
Layout Map**

**Envirotek #1 Site
Tonawanda, NY**

2. Location of Hazardous Substance(s)

During the site assessment, the majority of the 12 site buildings were grossly contaminated and in a deteriorated condition, with evidence of repeated trespassing and vandalism. Approximately 770 fifty-five gallon drums and 2,000 smaller containers of substances classified as flammable, combustible, corrosive and otherwise hazardous materials were contained within the site buildings.

Additional larger vessels and tanks located at the Site included four aboveground and two underground storage tanks, several process vessels, and six transformers. Buildings A, B, C and D contained most of the drums and containers of hazardous materials present on site; buildings, E, G and I contained smaller quantities of materials.

3. Cause of the Release or Discharge

Since Envirotek abandoned the Envirotek I facility in 1986, the materials remaining at the Site were left largely unattended. Three years of inactivity, and repeated incidents of vandalism resulted in the deterioration of drums throughout the facility. In addition, hundreds of small containers were either smashed or scattered about in several areas throughout Buildings A and B, including the laboratory in Building B. The storage area of Building B contained leaking drums and broken boxes of bagged solids haphazardly placed with indications of past releases. Spilled liquids and powders were spread by the continuous infiltration of rainwater in Building A. Additional rainwater damage was evident on the second floor of Building A through deterioration and structural instability, making entry too risky because of the potential for floor collapse.

Discoloration of the site soils indicated several past spills with multiple colors present in several locations. Solidified spills of resin-like materials, discolored soils and oil-stained ground surrounding the transformers all indicated that releases to the environment occurred in the past.

A summary of materials located at the Site during the initial assessment are listed in Table 1.

TABLE 1: Types of Hazardous Substances Present

Substance	Container Type	Statutory Code *
Cobalt naphthenate	Drum	1
n-butyl acetate	Lab Container	1
2-ethyl hexanol	Lab Container	**
Butyl Glycidil Ether	Lab Container	**
* Methyl Ethyl Ketone (MEK)	Lab Container	4
Phosphoric acid	Lab Container	1
Acrylamide Cynamid	Lab Container	2
Manganese Sulfate	Lab Container	**
Polyethylene Glycol	Lab Container	**
Aluminum Powder	Drum	**
Diisocyanate	Drum	2
Ethyl Hexyl Acetate	Drum	**
Sodium Hydroxide	Pail	1
Polychlorinated Biphenyls (PCBs)	Transformer	1,2
Acetic acid	Drum	1
* Solvents (classified as F001, F002, F003, F005) *	Tank or Drum	4

Legend

- * Storage of these wastes were initially suspected, due to their permitted acceptance for treatment at Envirotek's main facility also located in North Tonawanda.
 - ** This waste, although not classified under a Statutory Designation, is categorized as a hazardous waste under at least one criteria listed in 40 CFR 261.20.
1. 311(b)(4) of the Clean Water Act
 2. 301(a) of the Clean Water Act
 4. RCRA section 3001

4. Efforts to Obtain Response by Responsible Parties

On June 29, 1987, the NYSDEC formally requested that the EPA perform a removal action at the Envirotek facility. Subsequent investigations by the Niagara Area Compliance Section of the Resource Conservation and Recovery Act Programs in concert with the New York Superfund Branch of the Office of Regional Counsel resulted in the decision that the current and prior owners and operators (Envirotek Ltd. and 1788 Corporation) were financially and otherwise unable to perform the required actions in mitigating the threat of hazardous materials located at the 153 Fillmore Avenue facility.

B. Organization of the Response

Agencies or Parties Involved/Contact	Description of Duties
U.S. Environmental Protection Agency (EPA) Region II, Removal Action Branch Jack Harmon, OSC	Responsible for oversight of the removal action; maintained public awareness of site hazards and progress; coordinated and organized the overall stabilization and removal of all wastes from the Site.
Technical Assistance Team (TAT) Roy F. Weston, Inc. Diana Eichfeld, TAT PM	Assisted the OSC in characterizing site contaminants; inventoried drums, sampled waste; prepared the Community Relations Plan and Administrative Record to the inform public; performed air monitoring and monitored worker health and safety; inspected structural stability of buildings A and B; prepared and implemented designs for stabilizing loft A flooring and for creating access to basements 1 and 2; contacted local companies for recycling raw materials on site.
Haztech/Westinghouse Environmental and Geotechnical Services (WEGS)	Provided cleanup personnel and equipment for implementing the removal action; subcontracted APTUS for labpacking and disposal; arranged for disposal of remaining wastes.
APTUS Environmental Services	Prepared labpacks for disposal shipping; prepared samples for disposal approval; arranged transportation to APTUS facility; provided disposal for labpacked materials.

C. Injury/Possible Injury to Natural Resources

During the removal action at the Envirotek I Site, it was noted that natural resources (i.e., wetlands) or sensitive ecosystems are not located near the Site.

D. Chronological Narrative of Response Actions

1. Threat Abatement Action Pursued

On-site activities were initiated on July 10, 1989 with the installation of perimeter fencing to increase site security. The EPA, TAT and ERCS contractor (Haztech/WEGS) mobilized to the Site on July 17, 1989 and initiated 24-hour site security. Site preparation and organization were performed during July 19 to August 9, 1989. A backhoe was mobilized to assist in clearing debris from the support and staging areas.

Slip/trip/fall hazards were removed, where possible, throughout the Site, in staging areas and work zones, which included brush, metal, wood, cardboard and general site debris. Support facilities were mobilized including two trailers for office and crew decontamination. A transition shed, a bermed drum staging area and a large concrete equipment decontamination pad were constructed as contamination reduction zones.

Building C, located outside of the site fence, was emptied of hazardous materials, boarded up and secured. Outdoor drums were stabilized and restaged in the bermed drum staging area. Small jars, scattered throughout the buildings, as a results of vandalism, were gathered and staged in the research/office building along with approximately 2,000 laboratory containers for labpacking operations. Insulation on tanks and pipes throughout the buildings was sampled and sent for asbestos laboratory analysis. Samples, collected from transformers, above and below ground storage tanks and stained soil areas, were sent for laboratory analysis to characterize contaminants. Analytical results for the samples collected from the six transformers verified that the contents were non-PCB oils.

The ERCS contractor crew demobilized after stabilizing and restaging materials. APTUS Environmental Services, subcontracted by the ERCS contractor, mobilized on August 7, 1989 to labpack smaller containers in preparation for disposal. APTUS performed field tests on the labpack materials to determine compatibility groups for disposal segregation. TAT sealed off asbestos areas from labpacking areas and collected air samples for asbestos laboratory analysis prior to the initiation of labpacking operations. Air samples, collected in labpacking areas, were negative for asbestos, allowing the labpacking personnel to downgrade to Level C air purifying respirators (APRs). TAT also performed continuous air monitoring during

labpacking operations, since APRs were in use, to ensure the levels of respiratory protection were adequate for the airborne hazards present.

During labpacking operations, a container of benzoyl ether, a highly reactive chemical, was found, stabilized and labpacked separately in a fiber drum. Stabilization of this material was accomplished using a water and detergent mixture with clay. The reactive chemicals were staged separately in the transformer room between Buildings B and I.

APTUS labpacked the smaller containers according to hazard class. Buildings E, J and H were used for labpack staging in addition to the main labpacking area in the research/office building. Labpacks were weighed and prepared for shipping once packaging was completed. A total of 469 five-gallon pails of paints were palletized and shrink-wrapped, to reduce disposal costs.

Approximately two months into the removal action, two basements were discovered in Buildings A and B, containing approximately 30 fifty-five gallon drums with unknown contents and approximately 8,000 smaller containers of predominantly flammable liquids and solids stored on shelves. A loft was also discovered in building A, which contained approximately 600 labpacks; the containers were inaccessible due to structural instability. Before the containers could be removed, the flooring required additional structural support. In order to address the increase in the scope of work from locating additional containers, a request for a ceiling increase was submitted on September 9, 1989, with approval granted by the Acting Regional Administrator on September 12, 1989.

A TAT structural engineer submitted a design for adding structural support to the loft flooring in building A for removing the labpacks. The plans were implemented; the shoring of the loft flooring began on August 30 and was completed on September 7, 1989. Plywood was also added to the loft flooring for additional strength. After the TAT structural engineer examined the flooring modifications and verified its structural stability, the 600 labpacks were then removed and overpacked.

During the site assessment, friable asbestos was observed in several buildings throughout the Site. The initial estimate of asbestos was inaccurate, since more than one form of asbestos was present. After the ERCS contractor mobilized, a certified asbestos inspector examined the Site and formulated a more accurate estimate.

6 ET
ms

Shortly after the basement in building B was discovered, the ERCS contractor attempted to activate the elevator for removing the drums from the basement with no success. After several attempts were made, the TAT structural engineer was requested to examine the situation. On September 19, 1989, the

TAT structural engineer examined the basement in Building B and the elevator shaft. A plan was developed and implemented for installing a hoist in the existing elevator shaft by removing the flooring in the elevator. The method employed was the most cost-effective method available for facilitating the removal of the drums located in the basement.

On September 25, 1989, the TAT structural engineer examined the basement of Building A to determine its structural integrity and to develop a plan for secondary egress so that the area could be declassified as a confined space. The implemented plan involved constructing a doorway, which was reinforced through the basement wall, and a graded ramp for the exit/entrance of equipment. Operations in other parts of Building A were halted during the construction of the doorway and egress ramp in the basement.

2. Treatment/Disposal/Alternate Technology Approaches Pursued

The following totals summarize the final disposition of wastes from the Site:

- 129 yards³ of solids were landfilled;
- 990 gallons of liquids were treated;
- 38,776 gallons of liquids and 1,600 pounds of solids were incinerated; and
- 61,975 pounds of solids were accepted by local companies for recycling.

Tables 2 and 3 list the wastes shipped from the Site, and with the treatment method and the disposal facility which accepted the materials.

3. Public Information and Community Relations Activities

EPA notified the local authorities of the removal action at the Envirotek I Site and informed the local fire and police departments of the chemical hazards present at the Site. TAT prepared an administrative record and a community relations plan, placed it in a local repository, and advertized its availability to the public via an advertisement in a local newspaper.

Table 2: Materials Recycled from Envirotek I Site

Material Recycled	Approximate Quantity	Destination
Lampblack, Industrial Talc, Limestone, Carbon Black	24,100 pounds	Bronx, NY (Paint Manufacturer)
Titanium Dioxide, Calcium Carbonate, Yellow Iron Oxide	1,500 pounds	Delroc Corp. (Local Paint Manufacturer)
Caustic Soda + empty drums	110 pounds + 65 drums (empty)	Local Company
Potassium Permanganate	110 pounds	Local Wood Preserving Co.
Scrap metal	2 metal bins	Local Salvaging Co.

Table 3: Wastes Shipped for Disposal from Envirotek I Site

Chemical Name/Hazard Shipping Class	Quantity Shipped	Disposal/Treatment	Disposal Facility/Location
Labpacks	490 labpacks + 469 5-gal pails (Shrink-wrapped)	Incinerated	APTUS Environmental Services
Solvent-based paints & solvents (liquids)	3,800 gal (BULK); 4 drums (55-gal)	Incinerated	CWM (West Carrolton, OH)
Non-hazard/non-regulated powders	20 yards ³	Landfilled	Local Industrial Landfill
Oils/solvents (sludges)	70 drums (55 gal)	Incinerated	Trade Waste Incineration
Glycols/Paraffins (tars); Resin (solids)	20 drums (55 gal)	Incinerated	CWM (West Carrolton, OH)
Naphtha/Mineral Spirits (flammable liquids)	800 gal (BULK)	Incinerated	CWM (West Carrolton, OH)
Non-regulated powders	40 yards ³	Landfilled	CWM
Aqueous Liquids	5,000 gal (BULK)	Treated	CWM
Asbestos	10 drums (55 gal)	Landfilled	Arranged by asbestos contractor
PPE and Debris	3 roll-offs (20 yards ³ each)	Landfilled	CWM

E. Resources Committed

A summary of estimated costs for this action are presented below.

Extramural Costs:	
Total Removal Contractor Costs	\$ 1,330,600
TAT Costs (Travel, Salary, Expenses)	\$ 200,000
TAT Special Project	\$ 6,560
Total TAT Costs	\$ 206,560
EXTRAMURAL SUBTOTAL	\$ 1,537,160
INTRAMURAL COSTS:	
EPA Direct and Indirect Costs	\$ 117,100
INTRAMURAL SUBTOTAL	\$ 117,100
ESTIMATED TOTAL PROJECT COSTS	\$ 1,654,260
PROJECT CEILING	\$ 1,990,000
PERCENT REMAINING	17.9 %

II. EFFECTIVENESS OF REMOVAL ACTIONS

A. Actions Pursued By Prior Owners/Operators

It was determined during the initial site investigation that neither Envirotek Ltd. nor 1788 Corporation were financially and otherwise unable to perform mitigative actions at the Site.

B. Actions Pursued by State and Local Agencies

The NYSDEC advised Envirotek that the facility was never considered to have operated with interim status and ordered the firm to respond with information to substantiate the claim of interim status, but no documented proof was ever produced. The NYSDEC conducted an investigation of the facility and discovered drums on the premises. Further investigations revealed that Envirotek had neither the engineers nor the trained personnel capable of accomplishing the cleanup of the facility.

The NYSDEC referred the Site to EPA on June 29, 1987 to perform a removal action at the Site.

The New York State Department of Criminal Justice visited the facility several times throughout the removal action to gather available label information to pursuing criminal charges against Envirotek Ltd..

C. Actions Pursued by Federal Agencies and Special Teams

Due to the nature of the facility, no special teams or federal agencies were involved in the removal action at the Envirotek I Site.

D. Actions Pursued by Contractors, Private Groups, and Volunteers

Local companies assisted the EPA in accepting recyclable materials at little or no cost to the government. (See Section I.D.2 for details concerning recycling details.)

III. DIFFICULTIES ENCOUNTERED

A. Items That Affected the Response

Two months into the removal action, additional materials were discovered in the basements of buildings A and B and in the loft of building A. Difficulties in accessing these areas required designing and implementing additional structural stability in the building A loft flooring and additional methods of removing the containers in the two basements. These additional materials and designs greatly increased the scope of work to be accomplished for this removal action. Additional time, labor and funding were needed to complete this action.

Delays were also encountered because of the unavailability of parts when on-site equipment broke down. However, the site activities were not suspended because of these delays.

The major reason for extending the length of time for completing this removal action was a direct result of prolonged delays in CWM's approval process for accepting wastes. The Site was demobilized during these delays until approvals were obtained and transportation was arranged.

B. Issues of Intergovernmental Coordination

Intergovernmental coordination was not determined to be a factor in the implementation this removal action.

C. Difficulties Interpreting, Complying With, or Implementing Policies and Regulations

The removal action at the Envirotek I Site did not present difficulties in interpreting, implementing or complying with federal, state and local regulations or EPA policies.

IV. RECOMMENDATIONS

A. Means to Prevent a Recurrence of the Discharge or Release

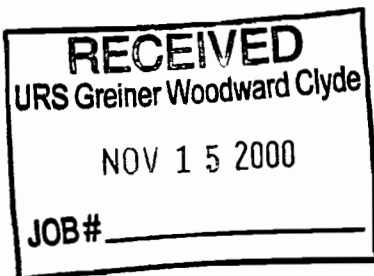
The hazardous materials posing a potential threat to the surrounding businesses, residences and the environment were removed and either recycled, incinerated, treated or landfilled, which removed the source for recurrence of the discharge or release from the Envirotek I Site.

B. Means to Improve Response Actions

To improve response actions in general, additional time should be spent during the assessment to thoroughly determine the quantities of materials present at the Site; this would increase the efficiency of the removal action and prevent major revisions to the scope of work after the ERCS contractor has mobilized to the Site. As a direct result, this would reduce the overall costs of the response.

C. Proposals for Changes in Regulations and Response Plans

The removal action at the Envirotek I Site does not warrant proposals for changes in the regulations or the response plans. Delays in this project are typical of difficulties encountered in removal projects of this magnitude.



ENVIROTEK I SITE
153 Fillmore St.
City of Tonawanda, Erie County

Preliminary Site Sampling
November 1997

This report summarizes the results of environmental media sampling conducted at the Envirotek I Site, on November 4, 1997, by the DEC Central Office Division of Hazardous Site Control. The following samples were collected:

- four water and sediment samples along the northeast bank of Ellicott Creek, approximately 500 feet south of the site,
- one water and one sediment sample at the storm sewer catch basin at the south corner of the site, and
- seven surface soil samples at selected locations on the site.

These sample locations are described in Table 1, and based on these descriptions, are plotted in Figure 1. Tables 2 through 4 list the compounds detected in any of the samples by the chemical laboratory analyses. For these tables, those compounds that were detected at levels exceeding the applicable DEC surface water standards or cleanup goals are shaded.

Tables 2 and 3 list the analytical results, in downstream order, for the surface water and sediment samples respectively. It is assumed that the catch basin at the south corner of the site empties into the Fremont St. storm sewer. Thus, Sample Locations 2 and 10 are considered to be downstream of Locations 3 and 11 as well as of 1 and 9.

Comparatively few compounds were encountered in the surface water and sediment samples. Observation of Tables 2 and 3 indicates that the only organic compounds encountered in these samples at levels exceeding the standards or goals were PAH's. Six PAH's, i.e. anthracenes, fluoranthenes, chrysene and benzo (a) pyrene, were found at levels above the cleanup goals in almost all the sediment samples. Bis (2 ethylhexyl) phthalate was found in all the water samples at levels above the standards.

Several metals, including arsenic, chromium, lead, mercury and zinc were found in the sediment samples at levels exceeding the cleanup goals. Lead, zinc, aluminum and iron were encountered at levels exceeding the standards in the water sample from the catch basin. Although at lower levels, aluminum and iron were also found in the other surface water samples at levels that exceed the standards.

Surface soil samples were collected at depths of less than 6 inches. Table 4 gives the list of compounds detected in the laboratory analyses of the seven on-site surface soil samples. Two PCB's were at levels exceeding the cleanup goals in sample of Location 20, and phenol was found at levels above the cleanup goal at Locations 17 and 20. A total of seven PAH's were

encountered in the Location 20 Sample at levels above the cleanup goals: ideno (1,2,3 cd) pyrene plus the six found in the sediment samples. The anthracenes and benzo (a) pyrene were encountered at levels exceeding the cleanup goals in all seven of the soil samples. Chrysene was found at levels above the cleanup goals in six, benzo (b) fluoranthene in five, benzo (k) fluoranthene in three, and ideno (1,2,3 cd) pyrene in two of the samples.

Seventeen metals, including arsenic, cadmium, chromium, lead, mercury and zinc were found at levels exceeding the cleanup goals at most of the on-site surface soil sampling locations. Cadmium, chromium, lead and zinc were among the seven metals having the highest levels at Location 20. Mercury and cyanide are at the highest levels at Location 19, and arsenic was at the highest level at Location 15. Observation of Tables 3, 4 and 5A indicate that cadmium, chromium, iron, lead, magnesium, mercury and zinc were encountered at levels above the cleanup goals at all eight site sampling locations. Of the eight on-site sampling locations, those in the northeast portion reflected the overall highest concentrations of metals.

Table 1
Locations of Sampling Points

<u>Location No.</u>	<u>Description and Location</u> (As given in the Field Sampling Chain of Custody Record)
1	Surface Water Sample; North Bank of Ellicott Ck., upstream of Fremont St.
2	Surface Water Sample; North Bank of Ellicott Ck., at Fremont St. Outfall
3	Surface Water Sample; Catch Basin at South Corner of Site
4	Surface Water Sample; North Bank of Ellicott Ck., at Downstream Outfall
5	Surface Water Sample; North Bank of Ellicott Ck., downstream of Locations 1, 2 and 4
9	Sediment Sample; North Bank of Ellicott Ck., upstream of Fremont St.
10	Sediment Sample; North Bank of Ellicott Ck., at Fremont St. Outfall
11	Sediment Sample; Catch Basin at South Corner of Site
12	Sediment Sample; North Bank of Ellicott Ck., at Downstream Outfall
13	Sediment Sample; North Bank of Ellicott Ck., downstream of Locations 1, 2 and 4
14	Soil Sample; Sump by Front Gate of Site, near West Corner
15	Soil Sample; Drain at Southwest End of Loading Dock
16	Soil Sample; Near Drain at Center of Site
17	Soil Sample; Northeast End of Loading Ramp
18	Soil Sample; East Corner of Site
19	Soil Sample; Near North Corner of Building E
20	Soil Sample; North Corner of Site

Note: Samples 6, 7 and 8 were not taken, and no locations were established

Table 2

Water Samples: Ellicott Creek and Catch Basin (µg/L)						
Compound	DEC Surface Water Standard	Sample No.				
		Upstream-----Downstream				
		1	3	2	5	4
Volatile Organic Compounds						
Methylene Chloride **		5	5	5	5	5
Acetone			5			
Semivolatile Organic Compounds						
Phenathrene			1			
Fluoranthene			4			
Pyrene			2			
Chrysene			2			
bis(2 Ethylhexyl)phthalate	0.6	1	3	1	0.7	1
Metals						
Aluminum	100	760 ²	1980 ¹	325 ⁵	612 ³	567 ⁴
Arsenic	190		3.9			
Barium	1000	27.8 ²	64.7 ¹	27.2 ³	26.3 ⁴	25.2 ⁵
Cadmium	10		1.3			
Calcium		56300 ²	30200 ⁵	57200 ¹	53800 ³	52000 ⁴
Chromium	50	0.72 ³	20.5 ¹			0.99 ²
Cobalt	5					1.8
Copper	200	8.6 ³	105 ¹	6.8 ⁴	9.6 ²	8.6 ³
Iron	300	1180 ²	6230 ¹	625 ⁵	1070 ⁴	1120 ³
Lead	50		136	3.4		
Magnesium	35000	8490 ¹	3440 ⁵	8420 ²	7940 ³	7750 ⁴
Manganese	300	32.7 ³	158 ¹	32.7 ³	34 ²	27.1 ⁴
Mercury	2		0.63			
Nickel		1.8 ⁵	14.4 ¹	2.4 ⁴	2.8 ²	2.5 ³
Potassium		4230 ¹	1450 ⁵	4130 ²	3900 ⁴	3920 ³
Sodium		16700 ³	15500 ⁵	17400 ¹	17000 ²	15600 ⁴
Vanadium	14	1.2 ⁴	6.2 ¹	0.83 ⁵	1.6 ²	1.4 ³
Zinc	300	15.7 ⁴	364 ¹	16.3 ³	18 ²	15.2 ⁵

Superscript Numbers in the selected entries for metals denote the rank of analyte level

** Trip Blank contained 5 $\mu\text{g/L}$ methylene chloride

Table 3 (Page 1 of 3)

Soil/Sediment Samples: Ellicott Creek and Catch Basin						
Compound	DEC Cleanup Goal	Sample No.				
		Upstream-----Downstream				
		9	11*	10*	13	12*
Volatile Organic Compounds (μg/kg)						
Methylene Chloride **	100	38	26	28	13	25
Acetone	200	10	68	16	19	28
Chloroform	300					2
2 Butanone	300		21		5	7
1,1,1 Trichloroethane	800	8		8	3	
Toluene	1500		4			
Semivolatile Organic Compounds (μg/kg)						
1,2 Dichlorobenzene			120		110	130
4 Methylphenol	900		47			
Hexachloroethane	410				40	40
Isophorone	4400	24				
1,2,4 Trichlorobenzene			130		120	140
Naphthalene	13000	200	77	180	61	83
2 Methylnaphthalene	36400	79	68	79	57	62
Acenaphthylene	41000	51	49	460	26	58
Acenaphthene	50000	230	320	440	280	270
Dibenzofuran	6200	190	160	300	170	160
Fluorene	50000	260	320	580	330	330
Pentachlorophenol	1000		33			
Phenanthrene	50000	2000	4000	5400	3000	3200
Anthracene	50000	360	670	960	570	620
Carbazole		300	620	860	410	380
Di-n-butylphthalate	8100		73		34	75
Fluoranthene	50000	1700	7100	8700	4000	5600

* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here

** Trip Blank contained 5 $\mu\text{g/L}$ methylene chloride

Table 3 (Page 2 of 3)

Soil/Sediment Samples: Ellicott Creek and Catch Basin						
Compound	DEC Cleanup Goal	Sample No.				
		Upstream-----Downstream				
		9	11*	10*	13	12*
Pyrene	50000	1500	5500	6800	3200	4300
Semivolatile Organic Compounds ($\mu\text{g/kg}$) (cont.)						
Butylbenzylphthalate	50000		140			130
Benzo (a) anthracene	224	700 ⁵	2800 ^{2/2}	3000 ¹	1700 ⁴	2300 ³
Chrysene	400	800 ⁵	3900 ^{1/2}	3700 ²	2000 ⁴	3000 ³
bis (2 Ethylhexyl) phthalate	50000	110	770	450	640	930
Di-n-octyl phthalate	50000		150		240	
Benzo (b) fluoranthene	1100	620 ⁵	3500 ^{1/3}	3200 ²	2000 ⁴	2800 ³
Benzo (k) fluoranthene	1100	520 ⁵	3000 ^{1/2}	2900 ²	1500 ⁴	2500 ³
Benzo (a) pyrene	61	600 ⁴	2700 ^{1/2}	2700 ¹	1400 ³	2600 ²
Indeno (1,2,3 cd) pyrene	3200	380	2000 ^{2/3}	2100 ¹	1200 ³	2100 ¹
Dibenzo (a,h) anthracene	14	140 ⁵	680 ^{2/4}	630 ³	470 ⁴	690 ¹
Benzo (g,h,i) perylene	50000	420	2200	2100	1400	2200
Pesticides/PCB's ($\mu\text{g/kg}$)						
4,4 DDT	2100	32				

* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here

Table 3 (Page 3 of 3)

Soil/Sediment Samples: Ellicott Creek and Catch Basin						
Compound	DEC Cleanup Goal	Sample No.				
		Upstream-----Downstream				
		9	11*	10*	13	12*
Metals (mg/kg)						
Aluminum	Background (7000)	5050	4860	6570	5100	6100
Antimony	Background (10)		1.9 ^{2/7}	5.5 ¹		
Arsenic	7.5	18.6 ¹	4.9 ^{4/7}	11.9 ²	5.2 ³	4.5 ⁵
Barium	300	63.5	52.7	75.3	32.4	59
Beryllium	0.16		0.38 ^{4/3}	1.6 ¹	0.51 ²	0.46 ³
Cadmium	1	0.75 ⁵	1.1 ^{2/8}	0.92 ³	0.9 ⁴	1.2 ¹
Calcium	Background (30000)	70600 ⁴	64500 ^{5/6}	72700 ³	99400 ²	114000 ¹
Chromium	10	28.5 ²	24.3 ^{4/7}	38.4 ¹	15.2 ⁵	24.4 ³
Cobalt	30	8.1 ²	3.9 ^{3/7}	13.9 ¹	2.6 ⁵	3.5 ⁴
Copper	25	83.9 ²	52.2 ^{3/7}	240 ¹	29.9 ⁵	37.8 ⁴
Iron	2000	55300 ¹	16700 ^{3/7}	39100 ²	12100 ⁵	14900 ⁴
Lead	Background (30)	203 ²	104 ^{3/8}	354 ¹	43.2 ⁵	88.2 ⁴
Magnesium	Background (5000)	14200 ²	13600 ^{3/5}	9340 ⁵	12500 ⁴	31700 ¹
Manganese	Background (2000)	852	442	544	313	508
Mercury	0.1		0.22 ^{1/7}	0.12 ²	0.1 ³	0.07 ⁴
Nickel	13	35.5 ²	29.2 ^{3/4}	89.3 ¹	11.7 ⁵	12.6 ⁴
Potassium	Background (10000)	624	539	625	621	875
Selenium	2	3.8 ¹	1.4 ^{2/7}	3.8 ¹	1.4 ²	1.3 ³
Silver	Background (0.30)		3.8 ^{1/1}	0.23 ⁴	0.26 ³	0.52 ²
Sodium	Background (7000)	414	403	536	247	273
Vanadium	150	14.3	10.9	16.1	7.9	11.2
Zinc	20	586 ²	189 ^{4/8}	995 ¹	105 ⁵	248 ³
Cyanide		4.7		5.9	1.1	0.42

Superscript Numbers in the selected entries for semivolatile organic compounds and for metals denote the rank of analyte level among Sample Locations 9 through 13; for Location 11, the second number denotes its rank compared to Locations 14 through 20

* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here

Table 4 (Page 1 of 3)

Soil/Sediment Samples: Envirotek Complex								
Compound	DEC Cleanup Goal	Sample No.						
		20*	18	19*	17	16	15	14*
Volatile Organic Compounds (µg/kg)								
Methylene Chloride**	100	69	21	62	9	20	36	44
Acetone	200	60	12	10		6		
1,1 Dichloroethane	200	18	3	17		3	5	10
1,1,1 Trichloroethane	800	300	49	190	13	27	51	110
Trichloroethene		3		4			2	3
Tetrachloroethene	1400	2		3			1	2
Toluene	1500	5		2		2		3
Xylene	1200	1				1		
Semivolatile Organic Compounds (µg/kg)								
Phenol	30	120			41			
1,2 Dichlorobenzene						31	79	48
2,4 Trichlorobenzene					27	31	120	52
Naphthalene	13000	460	240	350	58	32	130	
2 Methylnaphthalene	36400	320	150	210	26		55	22
Dimethylphthalate	2000		42				46	
Acenaphthylene	41000	180	280	190	35		66	480
Acenaphthene	50000	1200	49	78	25	32	160	
Dibenzofuran	6200	800	77	91			65	
Fluorene	50000	1500		72	23	29	140	
Pentachlorophenol	1000	.	77					
Phenanthrene	50000	13000	710	1900	330	380	1600	310
Anthracene	50000	3400	270	600	60	57	290	660
Carbazole		1800			42	52	190	53
Di-n-butylphthalate	8100	300	150	140	110	22	150	81
Fluoranthene	50000	15000	1200	3500	630	700	3000	760

* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here

** Trip Blank contained 5 $\mu\text{g/L}$ methylene chloride

Table 4 (Page 2 of 3)

Soil/Sediment Samples: Envirotek Complex								
Compound	DEC Cleanup Goal	Sample No.						
		20*	18	19*	17	16	15	14*
Pyrene	50000	12000	1600	110	570	560	2600	750
Semivolatile Organic Compounds ($\mu\text{g/kg}$) (cont.)								
Butylbenzylphthalate	50000					32		40
Benzo (a) anthracene	224	8400 ¹	870 ⁵	2000 ³	310 ⁷	270 ⁸	1500 ⁴	570 ⁶
Chrysene	400	8500 ¹	1400 ⁵	2500 ³	460 ⁷	370 ⁸	1900 ⁴	640 ⁶
bis (2 Ethylhexyl) phthalate	50000		2900		320	430	1700	250
Di-n-octyl phthalate	50000						100	
Benzo (b) fluoranthene	1100	6000 ¹	3600 ²	2200 ⁴	410 ⁷	330 ⁸	1900 ⁵	1500 ⁶
Benzo (k) fluoranthene	1100	7700 ¹		1800 ³	420 ⁶	310 ⁷	1400 ⁴	1100 ⁵
Benzo (a) pyrene	61	6400 ¹	2000 ³	1900 ⁴	340 ⁷	270 ⁸	1800 ⁵	900 ⁶
Indeno (1,2,3 cd) pyrene	3200	4100 ²	1800 ⁴	2000 ³	330 ⁶	230 ⁷	1300 ⁵	4200 ¹
Dibenzo (a,h) anthracene	14	1800 ¹	170 ⁵	710 ³	100 ⁷	72 ⁸	560 ⁵	1100 ²
Benzo (g,h,i) perylene	50000	4300	2300	1900	400	310	1700	8800
Pesticides/PCB's ($\mu\text{g/kg}$)								
Aroclor 1254	Total PCB's: 1000	7200 ¹		520 ²	230 ⁵	260 ⁴	440 ³	
Aroclor 1260		18000 ¹						

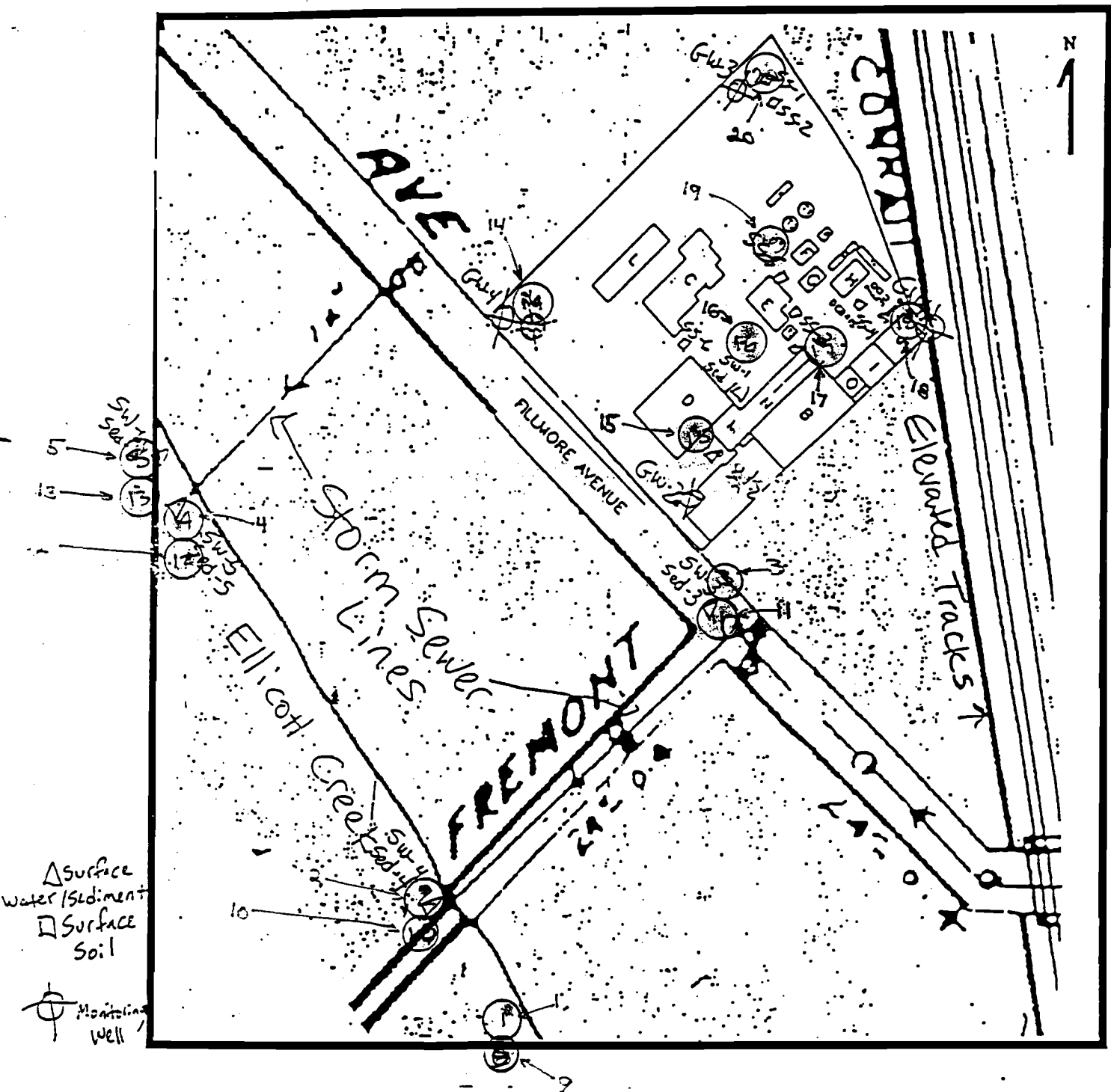
* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here

Table 4 (Page 3 of 3)

Soil/Sediment Samples: Envirotek Complex								
Compound	DEC Cleanup Goal	Sample No.						
		20*	18	19*	17	16	15	14*
Metals (mg/kg)								
Aluminum	Background (7000)	5380	3920	3610	2370	1210	2620	6880
Antimony	Background (10)	89.7	35.8	89.6	9.7	1.9	5	3.8
Arsenic	7.5	10.9 ⁴	8 ⁶	8.3 ⁵	15 ²	2.8 ⁸	20.9 ¹	14.8 ³
Barium	300	3790 ¹	864 ²	406 ³	343 ⁴	59.2 ⁷	129 ⁵	111 ⁶
Beryllium	0.16	0.14 ⁷	0.31 ²	0.27 ⁴	0.19 ⁵	0.13 ⁸	0.18 ⁶	0.51 ¹
Cadmium	1	10.8 ¹	3.5 ⁴	2.3 ⁶	2.2 ⁷	7.5 ³	8.5 ²	3.2 ⁵
Calcium	Background (30000)	24100 ⁸	79200 ⁴	111000 ³	136000 ²	159000 ¹	45900 ⁷	73300 ⁵
Chromium	10	335 ¹	160 ⁴	250 ²	133 ⁵	18.7 ⁸	77.9 ⁶	164 ³
Cobalt	30	35 ¹	26.3 ²	10.5 ⁴	10 ⁵	3 ⁸	15.8 ³	8.6 ⁶
Copper	25	126 ²	108 ³	82.6 ⁴	73.2 ⁵	1.2 ⁸	176 ¹	58.7 ⁶
Iron	2000	23500 ⁵	24900 ⁴	21500 ⁶	74600 ²	10900 ⁸	354000 ¹	56200 ³
Lead	Background (30)	44800 ¹	3420 ²	1580 ³	617 ⁴	45.7 ⁷	207 ⁶	247 ⁵
Magnesium	Background (5000)	10300 ⁶	34400 ³	38100 ²	9480 ⁴	80.20 ¹	17300 ⁴	9930 ⁷
Manganese	Background (2000)	314	536	550	517	27.6	1340	1190
Mercury	0.1	0.63 ⁴	2.1 ²	6 ¹	0.37 ⁶	0.7 ³	0.6 ⁵	0.13 ⁸
Nickel	13	34.1 ³	24.5 ⁵	15.5 ⁶	34.1 ³	6.3 ⁷	80.2 ¹	34.3 ²
Potassium	Background (10000)	791	616	579	641	801	605	685
Selenium	2	4 ²	2.7 ⁵	2 ⁶	3.7 ³		16.4 ¹	3.5 ⁴
Silver	Background (0.30)	0.76 ²				0.24 ³		
Sodium	Background (7000)	247	187	191	178	245	133	203
Thallium	Background						1.2	
Vanadium	150	19.6	15.2	12.2	11.3	3.6	19.7	18.2
Zinc	20	5100 ¹	1730 ²	1010 ³	416 ⁶	1250 ⁴	428 ⁷	1690 ⁵
Cyanide		3.1	1	4.5	0.72	0.44	1.1	0.82

Superscript Numbers in the selected entries for semivolatile organic compounds and for metals denote the rank of analyte level among Sample Locations 11 and 14 through 20

* More than one set of samples analyzed for this location; the maximum levels obtained in any of the analyses are listed here



APPENDIX B

ANALYTICAL DATA

APPENDIX B-1

WASTE SAMPLES

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date : 12/05/00
Group Number : 2001-2377

UST-1 PRODUCT
SAMPLE

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site: 153 Filmore

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
Full 8260B	1	Standard
8270	1	Standard
PCBs	1	Standard

Report Released By : Daniel W. Vollmer
Daniel Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977

Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2001-2377

Site: 153 Filmore

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS74166	UST-1	Liquid Waste	11/16/00	11/17/00	12:20

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U -** Indicates compound was analyzed for but not detected.
- J -** Indicates an estimated value. This flag is used to qualify the following:
when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as the sample.
- E -** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G -** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L -** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # -** Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) -** Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.

Volatile Organics in Soil

SW-846 8260B

Site: 153 Filmore
Date Sampled: 11/16/00
Date Received: 11/17/00

Group Number: 2001-2377
Units: µg/Kg
Matrix: Liquid Waste

WST ID: WS74166
Client ID: UST-1
Extraction Date: 11/29/00
Date Analyzed: 11/29/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
dichlorodifluoromethane	500000	Not detected		U
chloromethane	500000	Not detected		U
vinyl chloride	500000	Not detected		U
bromomethane	500000	Not detected		U
chloroethane	500000	Not detected		U
trichlorofluoromethane	500000	Not detected		U
1,1-dichloroethene	250000	Not detected		U
acetone	5000000	Not detected		U
methyl-tert-butyl ether	250000	Not detected		U
carbon disulfide	250000	Not detected		U
methylene chloride	250000	Not detected		U
trans-1,2-dichloroethene	250000	Not detected		U
1,1-dichloroethane	250000	Not detected		U
vinyl acetate	500000	Not detected		U
2-butanone	5000000	1720000		J
1,2-dichloropropane	250000	Not detected		U
cis-1,2-dichloroethene	250000	Not detected		U
chloroform	250000	Not detected		U
bromochloromethane	250000	Not detected		U
1,1,1-trichloroethane	250000	Not detected		U
carbon tetrachloride	250000	Not detected		U
1,1-dichloropropene	250000	Not detected		U
benzene	250000	247000		J
1,2-dichloroethane	250000	Not detected		U
trichloroethene	250000	Not detected		U
1,2-dichloropropane	250000	Not detected		U
bromodichloromethane	250000	Not detected		U
2-chloroethylvinyl ether	500000	Not detected		U
4-methyl-2-pentanone	2500000	Not detected		U
cis-1,3-dichloropropene	250000	Not detected		U
toluene	250000	1680000		
trans-1,3-dichloropropene	250000	Not detected		U
1,1,2-trichloroethane	250000	Not detected		U
2-hexanone	2500000	Not detected		U
tetrachloroethene	250000	Not detected		U
1,3-dichloropropane	250000	Not detected		U
dibromochloromethane	250000	Not detected		U
1,1-dibromoethane	250000	Not detected		U
1-chlorohexane	250000	Not detected		U
chlorobenzene	250000	Not detected		U
1,1,1,2-tetrachloroethane	250000	Not detected		U
ethylbenzene	250000	6070000		

Waste Stream Technology, Inc.

Volatile Organics in Soil

SW-846 8260B

Site: 153 Filmore
Date Sampled: 11/16/00
Date Received: 11/17/00

Group Number: 2001-2377
Units: µg/Kg
Matrix: Liquid Waste

WST ID: WS74166
Client ID: UST-1
Extraction Date: 11/29/00
Date Analyzed: 11/29/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
m,p-xylene	250000	73700000		D
o-xylene	250000	15200000		D
styrene	250000	Not detected		U
bromoform	250000	Not detected		U
isopropylbenzene	250000	1540000		
1,1,2,2-tetrachloroethane	250000	Not detected		U
bromobenzene	250000	Not detected		U
1,2,3-trichloropropane	250000	Not detected		U
n-propylbenzene	250000	1340000		
2-chlorotoluene	250000	Not detected		U
1,3,5-trimethylbenzene	250000	5150000		
4-chlorotoluene	250000	Not detected		U
tert-butylbenzene	250000	Not detected		U
1,2,4-trimethylbenzene	250000	6660000		
sec-butylbenzene	250000	132000		J
isopropyltoluene	250000	344000		
1,2-dichlorobenzene	250000	Not detected		U
1,4-dichlorobenzene	250000	Not detected		U
n-butylbenzene	250000	Not detected		U
1,2-dichlorobenzene	250000	Not detected		U
1,2-dibromo-3-chloropropane	250000	Not detected		U
1,2,4-trichlorobenzene	250000	Not detected		U
hexachlorobutadiene	250000	Not detected		U
naphthalene	250000	Not detected		U
1,2,3-trichlorobenzene	250000	Not detected		U
1,2-Dichloroethane-d4 (%)		0.0	70- 121	\$
Toluene-d8 (%)		0.0	81- 117	\$
Bromofluorobenzene (%)		0.0	74- 121	\$
Dilution Factor	50000			

Waste Stream Technology, Inc.

VOC Soil Method Blank Results

SW-846 8260B

Site: 153 Filmore
Date Sampled: NA
Date Received: NA

Group Number: 2001-2377
Units: µg/Kg

WST ID: MB112900
Client ID: NA
Extraction Date: 11/29/00
Date Analyzed: 11/29/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
dichlorodifluoromethane	5000	Not detected		U
chloromethane	5000	Not detected		U
vinyl chloride	5000	Not detected		U
bromomethane	5000	Not detected		U
chloroethane	5000	Not detected		U
trichlorofluoromethane	5000	Not detected		U
1,1-dichloroethene	2500	Not detected		U
acetone	50000	Not detected		U
methyl-tert-butyl ether	2500	Not detected		U
carbon disulfide	2500	Not detected		U
methylene chloride	2500	865		J
trans-1,2-dichloroethene	2500	Not detected		U
1,1-dichloroethane	2500	Not detected		U
vinyl acetate	5000	Not detected		U
2-butanone	50000	Not detected		U
2,2-dichloropropane	2500	Not detected		U
1,2-dichloroethene	2500	Not detected		U
chloroform	2500	Not detected		U
bromochloromethane	2500	Not detected		U
1,1,1-trichloroethane	2500	Not detected		U
carbon tetrachloride	2500	Not detected		U
1,1-dichloropropene	2500	Not detected		U
benzene	2500	Not detected		U
1,2-dichloroethane	2500	Not detected		U
trichloroethene	2500	Not detected		U
1,2-dichloropropane	2500	Not detected		U
bromodichloromethane	2500	Not detected		U
2-chloroethylvinyl ether	5000	Not detected		U
4-methyl-2-pentanone	25000	Not detected		U
cis-1,3-dichloropropene	2500	Not detected		U
toluene	2500	Not detected		U
trans-1,3-dichloropropene	2500	Not detected		U
1,1,2-trichloroethane	2500	Not detected		U
2-hexanone	25000	Not detected		U
tetrachloroethene	2500	Not detected		U
1,3-dichloropropane	2500	Not detected		U
dibromochloromethane	2500	Not detected		U
1,2-dibromoethane	2500	Not detected		U
chlorohexane	2500	Not detected		U
chlorobenzene	2500	Not detected		U
1,1,1,2-tetrachloroethane	2500	Not detected		U
ethylbenzene	2500	Not detected		U

Waste Stream Technology, Inc.

VOC Soil Method Blank Results

SW-846 8260B

Site: 153 Filmore
Date Sampled: NA
Date Received: NA

Group Number: 2001-2377
Units: µg/Kg

WST ID: MB112900
Client ID: NA
Extraction Date: 11/29/00
Date Analyzed: 11/29/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
m,p-xylene	2500	Not detected		U
o-xylene	2500	Not detected		U
styrene	2500	Not detected		U
bromoform	2500	Not detected		U
isopropylbenzene	2500	Not detected		U
1,1,2,2-tetrachloroethane	2500	Not detected		U
bromobenzene	2500	Not detected		U
1,2,3-trichloropropane	2500	Not detected		U
n-propylbenzene	2500	Not detected		U
2-chlorotoluene	2500	Not detected		U
1,3,5-trimethylbenzene	2500	Not detected		U
4-chlorotoluene	2500	Not detected		U
tert-butylbenzene	2500	Not detected		U
1,2,4-trimethylbenzene	2500	Not detected		U
sec-butylbenzene	2500	Not detected		U
p-isopropyltoluene	2500	Not detected		U
1,2-dichlorobenzene	2500	Not detected		U
1,4-dichlorobenzene	2500	Not detected		U
n-butylbenzene	2500	Not detected		U
1,2-dichlorobenzene	2500	Not detected		U
1,2-dibromo-3-chloropropane	2500	Not detected		U
1,2,4-trichlorobenzene	2500	Not detected		U
hexachlorobutadiene	2500	Not detected		U
naphthalene	2500	Not detected		U
1,2,3-trichlorobenzene	2500	Not detected		U
1,2-Dichloroethane-d4 (%)		110	70- 121	
Toluene-d8 (%)		110	81- 117	
Bromofluorobenzene (%)		106	74- 121	
Dilution Factor	500	MB denotes Method Blank NA denotes Not Applicable		

Waste Stream Technology, Inc.

Semivolatile Organics in Solids

3550/8270

Site: 153 Filmore
Date Sampled: 11/16/00
Date Received: 11/17/00

Group Number: 2001-2377
Units: µg/Kg
Matrix: Liquid Waste

WST ID: WS74166
Client ID: UST-1
Extraction Date: 11/28/00
Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
phenol	19800	Not detected		U
bis(2-chloroethyl)ether	19800	Not detected		U
2-chlorophenol	19800	Not detected		U
1,3-dichlorobenzene	19800	Not detected		U
1,4-dichlorobenzene	19800	Not detected		U
benzyl alcohol	39600	Not detected		U
1,2-dichlorobenzene	19800	Not detected		U
2-methylphenol	19800	Not detected		U
bis(2-chloroisopropyl)ether	19800	Not detected		U
3 & 4-methylphenol	19800	Not detected		U
N-nitrosodi-n-propylamine	19800	Not detected		U
hexachloroethane	19800	Not detected		U
nitrobenzene	19800	Not detected		U
isophorone	19800	Not detected		U
o-nitrophenol	19800	Not detected		U
m-nitrophenol	19800	Not detected		U
p-nitrophenol	19800	Not detected		U
2,4-dichlorophenol	19800	Not detected		U
1,2,4-trichlorobenzene	19800	Not detected		U
naphthalene	19800	Not detected		U
4-chloroaniline	39600	Not detected		U
hexachlorobutadiene	19800	Not detected		U
4-chloro-3-methylphenol	39600	Not detected		U
2-methylnaphthalene	19800	Not detected		U
hexachlorocyclopentadiene	19800	Not detected		U
2,4,6-trichlorophenol	19800	Not detected		U
2,4,5-trichlorophenol	19800	Not detected		U
2-chloronaphthalene	19800	Not detected		U
2-nitroaniline	99000	Not detected		U
dimethylphthalate	19800	Not detected		U
acenaphthylene	19800	Not detected		U
3-nitroaniline	99000	Not detected		U
2,6-dinitrotoluene	19800	Not detected		U
acenaphthene	19800	Not detected		U
2,4-dinitrophenol	99000	Not detected		U
o-nitrophenol	99000	Not detected		U
m-nitrophenol	99000	Not detected		U
p-nitrophenol	99000	Not detected		U
2,4-dinitrotoluene	99000	Not detected		U

Waste Stream Technology, Inc.

Semivolatile Organics in Solids

3550/8270

Site: 153 Filmore
Date Sampled: 11/16/00
Date Received: 11/17/00

Group Number: 2001-2377
Units: µg/Kg
Matrix: Liquid Waste

WST ID: WS74166
Client ID: UST-1
Extraction Date: 11/28/00
Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
diethylphthalate	19800	Not detected		U
fluorene	19800	Not detected		U
4-nitroaniline	99000	Not detected		U
4-chlorophenylphenylether	19800	Not detected		U
4,6-dinitro 2-methylphenol	99000	Not detected		U
n-nitrosodiphenylamine	19800	Not detected		U
4-bromophenylphenylether	19800	Not detected		U
hexachlorobenzene	19800	Not detected		U
pentachlorophenol	99000	Not detected		U
phenanthrene	19800	Not detected		U
anthracene	19800	Not detected		U
carbazole	19800	Not detected		U
di-n-butylphthalate	19800	Not detected		U
fluoranthene	19800	Not detected		U
benzidine	198000	Not detected		U
fluorene	19800	Not detected		U
butylbenzylphthalate	19800	Not detected		U
3,3'-dichlorobenzidine	39600	Not detected		U
benzo(a)anthracene	19800	Not detected		U
chrysene	19800	Not detected		U
bis(2-ethylhexyl)phthalate	19800	Not detected		U
di-n-octylphthalate	19800	Not detected		U
benzo[b]fluoranthene	19800	Not detected		U
benzo[k]fluoranthene	19800	Not detected		U
benzo[a]pyrene	19800	Not detected		U
indeno[1,2,3-cd]pyrene	19800	Not detected		U
dibenzo[a,h]anthracene	19800	Not detected		U
benzo[g,h,i]perylene	19800	Not detected		U
2-Fluorophenol (%)		72	25- 121	
Phenol-d6 (%)		52	24- 113	
Nitrobenzene-d5 (%)		74	23- 120	
2-Fluorobiphenyl (%)		89	30- 115	
2,4,6-Tribromophenol (%)		53	19- 122	
Terphenyl-d14 (%)		153	18- 137	#

Dilution Factor 60

Waste Stream Technology, Inc.
Method Blank for Soil SVOC
3550/8270

Site: 153 Filmore
 Date Sampled: NA
 Date Received: NA

Group Number: 2001-2377
 Units: µg/Kg

WST ID: MB112800
 Client ID: NA
 Extraction Date: 11/28/00
 Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
n-nitrosodimethylamine	19800	Not detected		U
phenol	19800	Not detected		U
bis(2-chloroethyl)ether	19800	Not detected		U
2-chlorophenol	19800	Not detected		U
1,3-dichlorobenzene	19800	Not detected		U
1,4-dichlorobenzene	19800	Not detected		U
benzyl alcohol	39600	Not detected		U
1,2-dichlorobenzene	19800	Not detected		U
2-methylphenol	19800	Not detected		U
bis(2-chloroisopropyl)ether	19800	Not detected		U
3 & 4-methylphenol	19800	Not detected		U
n-nitroso-di-n-propylamine	19800	Not detected		U
hexachloroethane	19800	Not detected		U
nitrobenzene	19800	Not detected		U
phosphorane	19800	Not detected		U
nitrophenol	19800	Not detected		U
2,4-dimethylphenol	19800	Not detected		U
bis(2-chloroethoxy)methane	19800	Not detected		U
benzoic acid	99000	Not detected		U
2,4-dichlorophenol	19800	Not detected		U
1,2,4-trichlorobenzene	19800	Not detected		U
naphthalene	19800	Not detected		U
4-chloroaniline	39600	Not detected		U
hexachlorobutadiene	19800	Not detected		U
4-chloro-3-methylphenol	39600	Not detected		U
2-methylnaphthalene	19800	Not detected		U
hexachlorocyclopentadiene	19800	Not detected		U
2,4,6-trichlorophenol	19800	Not detected		U
2,4,5-trichlorophenol	19800	Not detected		U
2-chloronaphthalene	19800	Not detected		U
2-nitroaniline	99000	Not detected		U
dimethylphthalate	19800	Not detected		U
acenaphthylene	19800	Not detected		U
3-nitroaniline	99000	Not detected		U
2,6-dinitrotoluene	19800	Not detected		U
acenaphthene	19800	Not detected		U
1,4-dinitrophenol	99000	Not detected		U
1,3-dinitrophenol	99000	Not detected		U
dibenzofuran	19800	Not detected		U
2,4-dinitrotoluene	19800	Not detected		U

Waste Stream Technology, Inc.

Method Blank for Soil SVOC

3550/8270

Site: 153 Filmore

Date Sampled: NA

Date Received: NA

Group Number: 2001-2377

Units: µg/Kg

WST ID: MB112800

Client ID: NA

Extraction Date: 11/28/00

Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
diethylphthalate	19800	Not detected		U
fluorene	19800	Not detected		U
4-nitroaniline	99000	Not detected		U
4-chlorophenylphenylether	19800	Not detected		U
4,6-dinitro-2-methylphenol	99000	Not detected		U
n-nitrosodiphenylamine	19800	Not detected		U
4-bromophenylphenylether	19800	Not detected		U
hexachlorobenzene	19800	Not detected		U
pentachlorophenol	99000	Not detected		U
phenanthrene	19800	Not detected		U
anthracene	19800	Not detected		U
carbazole	19800	Not detected		U
di-n-butylphthalate	19800	Not detected		U
fluoranthene	19800	Not detected		U
benzidine	198000	Not detected		U
fluorene	19800	Not detected		U
butylbenzylphthalate	19800	Not detected		U
3,3'-dichlorobenzidine	39600	Not detected		U
benzo(a)anthracene	19800	Not detected		U
chrysene	19800	Not detected		U
bis(2-ethylhexyl)phthalate	19800	Not detected		U
di-n-octylphthalate	19800	Not detected		U
benzo(b)fluoranthene	19800	Not detected		U
benzo(k)fluoranthene	19800	Not detected		U
benzo(a)pyrene	19800	Not detected		U
indeno(1,2,3-cd)pyrene	19800	Not detected		U
dibenzo(a,h)anthracene	19800	Not detected		U
benzo(g,h,i)perylene	19800	Not detected		U
2-Fluorophenol (%)		91	25- 121	
Phenol-d6 (%)		92	24- 113	
Nitrobenzene-d5 (%)		100	23- 120	
2-Fluorobiphenyl (%)		112	30- 115	
2,4,6-Tribromophenol (%)		126	19- 122	#
Terphenyl-d14 (%)		114	18- 137	

Dilution Factor 60

MB denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.

PCBs in Soil

SW-846 8082

Site: 153 Filmore
Date Sampled: 11/16/00
Date Received: 11/17/00

Group Number: 2001-2377
Units: mg/Kg
Matrix: Liquid Waste

WST ID: WS74166
Client ID: UST-1
Extraction Date: 11/28/00
Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
aroclor 1016	1.50	Not detected		U
aroclor 1221	1.20	Not detected		U
aroclor 1232	1.80	Not detected		U
aroclor 1242	0.900	Not detected		U
aroclor 1248	0.600	Not detected		U
aroclor 1254	0.300	Not detected		U
aroclor 1260	0.300	Not detected		U
Decachlorobiphenyl (%)		90	60- 150	
Tetrachloro-m-xylene (%)		97	60- 150	

Dilution Factor 30

Waste Stream Technology, Inc.

Method Blank for Soil PCB

SW-846 8082

ite: 153 Filmore
ate Sampled: NA
Date Received: NA

Group Number: 2001-2377
Units: mg/Kg

WST ID: MB00333
Client ID: NA
Extraction Date: 11/28/00
Date Analyzed: 11/28/00

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Aroclor 1016	1.50	Not detected		U
Aroclor 1221	1.20	Not detected		U
Aroclor 1232	1.80	Not detected		U
Aroclor 1242	0.900	Not detected		U
Aroclor 1248	0.600	Not detected		U
Aroclor 1254	0.300	Not detected		U
Aroclor 1260	0.300	Not detected		U
Decachlorobiphenyl (%)		84	60- 150	
Tetrachloro-m-xylene (%)		101	60- 150	

Dilution Factor 30

MB denotes Method Blank

NA denotes Not Applicable

URS Greiner

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RSF-075C/1 OF 1/CdCR/GCM

* Client suggests -

DATE	DESCRIPTION	AMOUNT	BALANCE
10/1/20	Client Suggests	100.00	100.00

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

*BAKER TANK 1
UNTREATED
WATER*

Analytical Data Report

Report Date : 02/06/01

Group Numbers : 2011-282

Prepared For :

Mr. Dave Shepard

URS Corporation Group Consultants

282 Delaware Ave.

Buffalo, NY 14202-1090

Site: 35842.00

Analytical Parameters

TCL 8260B

Analytical Services

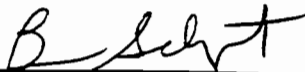
Number of Samples

1

Turnaround Time

1 Business Day

Report Released By :



Dr. Brian Schepart, Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-282

Site: 35842.00

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS76826	JX-Water	Aqueous	02/05/01	02/05/01	09:24

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimated value. This flag is used to qualify the following:
when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
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- B - This flag is used when the analyte is found in the associated blank as well as the sample.
- E - This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G - Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L - Matrix spike recovery is less than the expected lower limit of analytical performance.
- # - Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ - Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) - Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: 35842.00

Date Sampled: 02/05/01

Date Received: 02/05/01

Group Number: 2011-282

Units: µg/L

Matrix: Aqueous

WST ID: WS76826

Client ID: JX-Water

Extraction Date: NA

Date Analyzed: 02/05/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	10	Not detected		U
bromomethane	10	Not detected		U
vinyl chloride	10	45		
chloroethane	10	Not detected		U
methylene chloride	5	Not detected		U
acetone	100	Not detected		U
carbon disulfide	5	Not detected		U
1,1-dichloroethene	5	Not detected		U
1,1-dichloroethane	5	Not detected		U
trans-1,2-dichloroethene	5	6		
chloroform	5	Not detected		U
2-butanone	100	Not detected		U
1,2-dichloroethane	5	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride	5	Not detected		U
vinyl acetate	50	Not detected		U
1,1-dichloromethane	5	Not detected		U
1,2-dichloropropane	5	Not detected		U
cis-1,3-dichloropropene	5	Not detected		U
trichloroethene	5	Not detected		U
benzene	5	12		
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene	5	Not detected		U
1,1,2-trichloroethane	5	Not detected		U
2-chloroethylvinyl ether	10	Not detected		U
bromoform	5	Not detected		U
4-methyl-2-pentanone	50	Not detected		U
2-hexanone	50	Not detected		U
tetrachloroethene	5	Not detected		U
1,1,2,2-tetrachloroethane	5	Not detected		U
toluene	5	163		
chlorobenzene	5	Not detected		U
ethylbenzene	5	811		D
styrene	5	Not detected		U
m,p-xylene	5	4720		D
o-xylene	5	1050		D
1,2-Dichloroethane-d4 (%)		95	76- 114	
Toluene-d8 (%)		102	88- 110	
Bromofluorobenzene (%)		99	86- 115	

Correction Factor 1

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

*UST-1 AND
UST-2 PRODUCE/
WATER SAMPLES*

Analytical Data Report
Report Date : 02/20/01
Group Number : 2011-297

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site: 35842.00

Analytical Parameters
TCL 8260B

Analytical Services
Number of Samples
2

Turnaround Time
1 Business Day

Report Released By :

Daniel W. Vollmer

Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-297

Site: 35842.00

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS76924	BLDG-E-W-UST	Aqueous	02/06/01	02/06/01	16:05
WS76925	BLDG-E-E-UST	Aqueous	02/06/01	02/06/01	16:05

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B - This flag is used when the analyte is found in the associated blank as well as the sample.
- E - This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G - Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L - Matrix spike recovery is less than the expected lower limit of analytical performance.
- # - Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ - Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) - Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: 35842.00

Date Sampled: 02/06/01

Date Received: 02/06/01

Group Number: 2011-297

Units: µg/L

Matrix: Aqueous

WST ID: WS76924

Client ID: BLDG-E-W-UST

Extraction Date: NA

Date Analyzed: 02/07/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	100	Not detected		U
bromomethane	100	Not detected		U
vinyl chloride	100	Not detected		U
chloroethane	100	Not detected		U
methylene chloride	50	Not detected		U
acetone	1000	Not detected		U
carbon disulfide	50	Not detected		U
1,1-dichloroethene	50	Not detected		U
1,1-dichloroethane	50	Not detected		U
trans-1,2-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	27		J
1,1,1-trichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
vinyl acetate	500	Not detected		U
monochloromethane	50	Not detected		U
1,2-dichloropropane	50	Not detected		U
cis-1,3-dichloropropene	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	1110		
dibromochloromethane	50	Not detected		U
trans-1,3-dichloropropene	50	Not detected		U
1,1,2-trichloroethane	50	Not detected		U
2-chloroethylvinyl ether	100	Not detected		U
bromoform	50	Not detected		U
4-methyl-2-pentanone	500	Not detected		U
2-hexanone	500	Not detected		U
tetrachloroethene	50	Not detected		U
1,1,2,2-tetrachloroethane	50	Not detected		U
toluene	50	1600		
chlorobenzene	50	Not detected		U
ethylbenzene	50	1650		
styrene	50	Not detected		U
m,p-xylene	50	19800		D
o-xylene	50	3740		D
1,2-Dichloroethane-d4 (%)		93	76- 114	
Toluene-d8 (%)		100	88- 110	
Promofluorobenzene (%)		101	86- 115	
Correction Factor	10			

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: 35842.00

Date Sampled: 02/06/01

Date Received: 02/06/01

Group Number: 2011-297

Units: µg/L

Matrix: Aqueous

WST ID: WS76925

Client ID: BLDG-E-E-UST

Extraction Date: NA

Date Analyzed: 02/07/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	100	Not detected		U
bromomethane	100	Not detected		U
vinyl chloride	100	Not detected		U
chloroethane	100	Not detected		U
methylene chloride	50	Not detected		U
acetone	1000	Not detected		U
carbon disulfide	50	Not detected		U
1,1-dichloroethene	50	Not detected		U
1,1-dichloroethane	50	Not detected		U
trans-1,2-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	Not detected		U
1,1,1-trichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
vinyl acetate	500	Not detected		U
1,1-dichloromethane	50	Not detected		U
1,2-dichloropropane	50	Not detected		U
cis-1,3-dichloropropene	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	34		J
dibromochloromethane	50	Not detected		U
trans-1,3-dichloropropene	50	Not detected		U
1,1,2-trichloroethane	50	Not detected		U
2-chloroethylvinyl ether	100	Not detected		U
bromoform	50	Not detected		U
4-methyl-2-pentanone	500	Not detected		U
2-hexanone	500	Not detected		U
tetrachloroethene	50	Not detected		U
1,1,2,2-tetrachloroethane	50	Not detected		U
toluene	50	275		
chlorobenzene	50	Not detected		U
ethylbenzene	50	116		
styrene	50	Not detected		U
m,p-xylene	50	815		
o-xylene	50	477		
1,2-Dichloroethane-d4 (%)		92	76- 114	
Toluene-d8 (%)		100	88- 110	
Promofluorobenzene (%)		102	86- 115	
Recovery Factor	10			

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

*TREATED WATER
(BAKER TANK-2)*

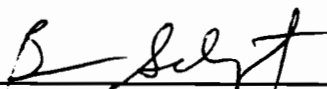
Analytical Data Report

Report Date : 02/12/01
Group Number : 2011-339

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site: 153 Fillmore

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
624	1	1 Business Day
Total Extractable Hydrocarbons	1	1 Business Day

Report Released By : 
Dr. Brian Schepart, Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS

NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-339

Site: 153 Fillmore

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS77110	BT2-TGW	Aqueous	02/09/01	02/09/01	15:45

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

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Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

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Waste Stream Technology, Inc.

Total Extractable Hydrocarbons

EPA 1664

Site: 153 Fillmore
Date Sampled: 02/09/01
Date Received: 02/09/01

Group Number: 2011-339
Matrix: Aqueous
Units: mg/L

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS77110	BT2-TGW	4.0	Not detected	02/12/01

EPA 624

Matrix: Aqueous

Date Analyzed: 02/09/01

Dilution Factor 1

Waste Stream Technology, Inc.

Method 624 Method Blank Results

EPA 624

Site: 153 Fillmore
Date Sampled: NA
Date Received: NA

Group Number: 2011-339
Units: µg/L

WST ID: MB020901
Client ID: NA
Extraction Date: NA
Date Analyzed: 02/09/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	2.0	Not detected		U
vinyl chloride	2.0	Not detected		U
bromomethane	2.0	Not detected		U
chloroethane	2.0	Not detected		U
trichlorofluoromethane	2.0	Not detected		U
1,1-dichloroethene	1.0	Not detected		U
methylene chloride	2.8	Not detected		U
trans-1,2-dichloroethene	1.0	Not detected		U
1,1-dichloroethane	1.0	Not detected		U
chloroform	1.0	Not detected		U
1,1,1,-trichloroethane	1.0	Not detected		U
carbon tetrachloride	1.0	Not detected		U
benzene	1.0	Not detected		U
1,2-dichloroethane	1.0	Not detected		U
trichloroethene	1.0	Not detected		U
1,2-dichloropropane	1.0	Not detected		U
1,1-dichloromethane	1.0	Not detected		U
2-chloroethylvinyl ether	2.0	Not detected		U
cis-1,3-dichloropropene	1.0	Not detected		U
toluene	1.0	Not detected		U
trans-1,3-dichloropropene	1.0	Not detected		U
1,1,2-trichloroethane	1.0	Not detected		U
tetrachloroethene	1.2	Not detected		U
dibromochloromethane	1.0	Not detected		U
chlorobenzene	1.0	Not detected		U
ethylbenzene	1.0	Not detected		U
bromoform	1.0	Not detected		U
1,1,2,2-tetrachloroethane	1.0	Not detected		U
1,3-dichlorobenzene	1.0	Not detected		U
1,4-dichlorobenzene	1.0	Not detected		U
1,2-dichlorobenzene	1.0	Not detected		U
m,p-xylenes	1.0	Not detected		U
o-xylene	1.0	Not detected		U
1,2-Dichloroethane-d4 (%)		111	76- 114	
Toluene-d8 (%)		99	88- 110	
Bromofluorobenzene (%)		107	86- 115	

Dilution Factor 1
denotes Method Blank
denotes Not Applicable

REPORT TO:

Dave Sheppard

c/o UPS Corporation

CONTACT:

PH. # ()

FAX # ()

BILL TO:

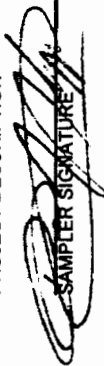
856-2545

PO#

PROJECT DESCRIPTION

153 Fillmore

SAMPLER SIGNATURE



SAMPLE I.D.

1 BT2-T6W

2

3

4

5

6

7

8

9

10

REMARKS:

TECHNOLOGY

Waste Stream Technology Inc.

302 Grote Street, Buffalo, NY 14207

(716) 876-5290 • FAX (716) 876-2412

GROUP #

2011-339

DUE DATE

TURN AROUND TIME:

CONTACT

PH. # ()

FAX # ()

BILL TO:

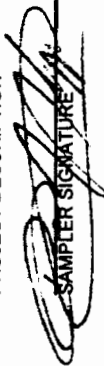
856-2545

PO#

PROJECT DESCRIPTION

153 Fillmore

SAMPLER SIGNATURE



SAMPLE I.D.

1 BT2-T6W

2

3

4

5

6

7

8

9

10

REMARKS:

DW DRINKING WATER
GW GROUND WATER
SW SURFACE WATER
WW WASTE WATER
O OILSL SLUDGE
SO SOIL
S SOLID
W WIPE
OTHER

ANALYSES TO BE PERFORMED

DATE SAMPLED
TIME OF SAMPLING
SAMPLE TYPE
TOTAL NO. OF CONTAINERSTCL VOL 0.25
TEH
H2504TYPE OF CONTAINER/
COMMENTS:OFFICE USE
ONLY
WST. I.D.

W577110

RELINQUISHED BY:



RELINQUISHED BY:



DATE:

7-1

TIME:

15:45

RECEIVED BY:

2011 Nov

DATE:

1/1

TIME:

7:19 PM

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

**SOIL STOCKPILE
SAMPLE**

Analytical Data Report

Report Date : 02/22/01
Group Number : 2011-389

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site : 153 Fillmore

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
TCL 8260B	4	5 Business Days
Total Metals	2	5 Business Days
Cyanide	2	5 Business Days
TCLP Pesticides	1	5 Business Days
TCLP Herbicides	1	5 Business Days
Ignitability	1	5 Business Days
pH	1	5 Business Days
Reactive Cyanide	1	5 Business Days
Reactive Sulfide	1	5 Business Days
TCLP 8260	1	5 Business Days
TCLP 8270	1	5 Business Days
TCLP Metals	1	5 Business Days

Report Released By : Daniel W. Vollmer
Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-389

Site: 153 Fillmore

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS77278	TP-1-GW	Aqueous	02/14/01	02/14/01	16:50
WS77279	TP-2-GW	Aqueous	02/14/01	02/14/01	16:50
WS77280	TP-1	Soil	02/14/01	02/14/01	16:50
WS77281	TP-2	Soil	02/14/01	02/14/01	16:50
WS77282	JX-Soil	Soil	02/14/01	02/14/01	16:50

Waste Stream Technology, Inc.

TCLP Pesticide Analysis

1311/8081

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01
TCLP Extraction Date: 02/15/01

Group Number: 2011-389
Units: µg/L
Matrix: TCLP Extract

WST ID: WS77282
Client ID: JX-Soil
Extraction Date: 02/20/01
Date Analyzed: 02/20/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chlordane	0.350	Not detected		U
endrin	0.055	Not detected		U
gamma-BHC (Lindane)	0.016	Not detected		U
heptachlor	0.097	Not detected		U
heptachlor epoxide	0.042	Not detected		U
methoxychlor	0.031	Not detected		U
toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		116	60- 150	
Decachlorobiphenyl (%)		85	60- 150	
Dilution Factor	1			

Waste Stream Technology, Inc.

Method Blank for TCLP Pesticides

1311/8081

Site: 153 Fillmore
Date Sampled: NA
Date Received: NA
TCLP Extraction Date 02/15/01

Group Number: 2011-389
Units: µg/L

WST ID: MB01051
Client ID: NA
Extraction Date: 02/20/01
Date Analyzed: 02/20/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Chlordane	0.350	Not detected		U
Endrin	0.055	Not detected		U
Gamma-BHC (Lindane)	0.016	Not detected		U
Heptachlor	0.097	Not detected		U
Heptachlor Epoxide	0.042	Not detected		U
Methoxychlor	0.031	Not detected		U
Toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		91	60- 150	
Decachlorobiphenyl (%)		93	60- 150	

Dilution Factor 1
MB denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.

Herbicides in TCLP Extract

1311/8150

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01
TCLP Extraction Date: 02/15/01

Group Number: 2011-389
Units: mg/L
Matrix: TCLP Extract

WST ID: WS77282
Client ID: JX-Soil
Extraction Date: 02/20/01
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4-D	0.02	Not detected		U
2,4,5-TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		79	10-127	
Dilution Factor	1			

Waste Stream Technology, Inc.

Herbicide TCLP Method Blank

1311/8150

ite: 153 Fillmore
Date Sampled: NA
Date Received: NA
TCLP Extraction Date 02/15/01

Group Number: 2011-389
Units: mg/L

WST ID: MB01051
Client ID: NA
Extraction Date: 02/20/01
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4 D	0.02	Not detected		U
2,4,5 TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		79	10- 127	

Dilution Factor 1
MB denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.
Wet Chemistry Analyses

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Matrix: Soil

WST ID: WS77282
Client ID JX-Soil

Analysis	Method Reference	Detection Limit	Result	Units	Date Analyzed
Ignitability (flash point)	SW-846 1010	NA	>200	° F	02/22/01

> 200 = no flash detected at a temperature up to 200 degrees Fahrenheit

Waste Stream Technology, Inc.

pH in Solid
SW-846 9045C

ite: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Matrix: Soil
Units: pH Units

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS77282	JX-Soil	NA	7.57	02/22/01

Waste Stream Technology, Inc.
Wet Chemistry Analyses

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Matrix: Soil

WST ID: WS77282
Client ID: JX-Soil

Analysis	Method Reference	Detection Limit	Result	Units	Date Analyzed
Section 7.3.3.2 Reactive Cyanide	SW-846 9014	40.0	Not detected	mg/Kg	02/22/01
Section 7.3.4.2 Reactive Sulfide	SW-846 9034	40.0	Not detected	mg/Kg	02/22/01

Waste Stream Technology, Inc.

TCLP Volatile Organics Analysis

1311/8260B

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Units: µg/L
Matrix: TCLP Extract

WST ID: WS77282
Client ID: JX-Soil
TCLP Date: 02/20/01
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	Not detected		U
1,1-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	Not detected		U
tetrachloroethene	50	Not detected		U
chlorobenzene	50	Not detected		U
1,4-dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		103	70- 121	
Toluene-d8 (%)		94	81- 117	
Bromofluorobenzene (%)		91	74- 121	
Dilution Factor	1			

Waste Stream Technology, Inc.

Method Blank for TCLP Volatiles

1311/8260B

Site: 153 Fillmore
Date Sampled: NA
Date Received: NA

Group Number: 2011-389

Units: µg/L

WST ID: MB022001
Client ID: NA
TCLP Date: 02/20/01
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Vinyl Chloride	100	Not detected		U
1,1-Dichloroethene	50	Not detected		U
Chloroform	50	Not detected		U
2-Butanone	1000	Not detected		U
1,2-Dichloroethane	50	Not detected		U
Carbon Tetrachloride	50	Not detected		U
Trichloroethene	50	Not detected		U
Benzene	50	Not detected		U
Tetrachloroethene	50	Not detected		U
Chlorobenzene	50	Not detected		U
1,4-Dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		108	70- 121	
Toluene-d8 (%)		96	81- 117	
Bromofluorobenzene (%)		94	74- 121	

Dilution Factor 1

B denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.**8270 TCLP Semivolatile Organics****1311/8270**

ite: 153 Fillmore

Date Sampled: 02/14/01

Date Received: 02/14/01

TCLP Extraction Date: 02/15/01

Group Number: 2011-389

Units: µg/L

Matrix: TCLP Extract

WST ID: WS77282

Client ID: JX-Soil

Extraction Date: 02/16/01

Date Analyzed: 02/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
pyridine	10	Not detected		U
1,4-dichlorobenzene	10	Not detected		U
Total cresols(o,m & p)	30	Not detected		U
nitrobenzene	10	Not detected		U
hexachloroethane	10	Not detected		U
hexachlorobutadiene	10	Not detected		U
2,4,6-trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-dinitrotoluene	10	Not detected		U
hexachlorobenzene	10	Not detected		U
pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		46	21- 100	
Phenol-d6 (%)		29	10- 94	
Nitrobenzene-d5 (%)		81	35- 114	
Fluorobiphenyl (%)		88	43- 116	
,4,6-Tribromophenol (%)		112	10- 123	
Terphenyl-d14 (%)		115	33- 141	
Dilution Factor	1			

Waste Stream Technology, Inc.

Method Blank TCLP Semivolatiles

1311/8270

Site: 153 Fillmore
Date Sampled: NA
Date Received: NA
TCLP Extraction Date 02/15/01

Group Number: 2011-389
Units: µg/L

WST ID: MB021601
Client ID: NA
Extraction Date: 02/16/01
Date Analyzed: 02/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Pyridine	10	Not detected		U
1,4-Dichlorobenzene	10	Not detected		U
Total Cresols(o,m,&p)	30	Not detected		U
Nitrobenzene	10	Not detected		U
Hexachloroethane	10	Not detected		U
Hexachlorobutadiene	10	Not detected		U
2,4,6-Trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-Dinitrotoluene	10	Not detected		U
Hexachlorobenzene	10	Not detected		U
Pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		44	21- 100	
Phenol-d6 (%)		29	10- 94	
Nitrobenzene-d5 (%)		79	35- 114	
Fluorobiphenyl (%)		88	43- 116	
2,4,6-Tribromophenol (%)		113	10- 123	
Terphenyl-d14 (%)		117	33- 141	

Dilution Factor 1

MB denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.
TCLP Metals Analysis Result Report

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Units: mg/L
Matrix: TCLP Extract
TCLP Extraction Date: 02/15/01

WST ID: WS77282
Client ID: JX-Soil
Digestion Date: 02/16/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Arsenic by ICP	0.045	Not detected	02/16/01	SW-846 6010
Barium by ICP	0.025	1.90	02/16/01	SW-846 6010
Cadmium by ICP	0.025	Not detected	02/16/01	SW-846 6010
Chromium by ICP	0.025	Not detected	02/16/01	SW-846 6010
Lead by ICP	0.075	0.849	02/16/01	SW-846 6010
Mercury by Cold Vapor	0.001	Not detected	02/21/01	SW-846 7470
Selenium by ICP	0.095	Not detected	02/16/01	SW-846 6010
Silver by ICP	0.025	Not detected	02/16/01	SW-846 6010

STARS

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

*SOIL STOCKPILE
SAMPLES*

Analytical Data Report

Report Date : 03/21/01
Group Number : 2011-552

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site: 35842.00

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
8260B TCLP	3	Standard
8270 TCLP	3	Standard
PCB	3	Standard
TCLP Pesticide	3	Standard
TCLP Herbicides	3	Standard
TCLP Metals	3	Standard
Ignitability	3	Standard
pH	3	Standard
Reactive Cyanide	3	Standard
Reactive Sulfide	3	Standard

Report Released By : B. Schepart

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS

NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-552

Site: 35842.00

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS78020	SP-1	Soil	03/05/01	03/06/01	13:21
WS78021	SP-2	Soil	03/06/01	03/06/01	13:21
WS78022	SP-3	Soil	03/06/01	03/06/01	13:21

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U -** Indicates compound was analyzed for but not detected.
- J -** Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as the sample.
- E -** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G -** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L -** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # -** Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) -** Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.
TCLP Volatile Organics Analysis
1311/8260B

File: 35842.00
 Date Sampled: 03/05/01
 Date Received: 03/06/01

Group Number: 2011-552
 Units: µg/L
 Matrix: TCLP Extract

WST ID: WS78020
 Client ID: SP-1
 TCLP Date: 03/12/01
 Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	Not detected		U
1,1-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	Not detected		U
tetrachloroethene	50	Not detected		U
chlorobenzene	50	Not detected		U
1,4-dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		112	70- 121	
Toluene-d8 (%)		98	81- 117	
Bromofluorobenzene (%)		101	74- 121	
Correction Factor	1			

Waste Stream Technology, Inc.
TCLP Volatile Organics Analysis
1311/8260B

Site: 35842.00
 Date Sampled: 03/06/01
 Date Received: 03/06/01

Group Number: 2011-552
 Units: µg/L
 Matrix: TCLP Extract

WST ID: WS78021
 Client ID: SP-2
 TCLP Date: 03/12/01
 Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	Not detected		U
1,1-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	50		
tetrachloroethene	50	Not detected		U
chlorobenzene	50	Not detected		U
1,4-dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		108	70-121	
Toluene-d8 (%)		103	81-117	
Bromofluorobenzene (%)		102	74-121	
Correction Factor	1			

Waste Stream Technology, Inc.**TCLP Volatile Organics Analysis****1311/8260B**

Weight: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01

Group Number: 2011-552
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78022
Client ID: SP-3
TCLP Date: 03/12/01
Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	Not detected		U
1,1-dichloroethene	50	Not detected		U
chloroform	50	Not detected		U
2-butanone	1000	Not detected		U
1,2-dichloroethane	50	Not detected		U
carbon tetrachloride	50	Not detected		U
trichloroethene	50	Not detected		U
benzene	50	17		J
tetrachloroethene	50	Not detected		U
chlorobenzene	50	Not detected		U
1,4-dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		109	70- 121	
Toluene-d8 (%)		102	81- 117	
Bromofluorobenzene (%)		102	74- 121	

Correction Factor 1

Waste Stream Technology, Inc.

Method Blank for TCLP Volatiles

1311/8260B

Weight: 35842.00
Date Sampled: NA
Date Received: NA

Group Number: 2011-552
Units: µg/L

WST ID: MB031201
Client ID: NA
TCLP Date: 03/12/01
Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Vinyl Chloride	100	Not detected		U
1,1-Dichloroethene	50	Not detected		U
Chloroform	50	Not detected		U
2-Butanone	1000	Not detected		U
1,2-Dichloroethane	50	Not detected		U
Carbon Tetrachloride	50	Not detected		U
Trichloroethene	50	Not detected		U
Benzene	50	Not detected		U
Tetrachloroethene	50	Not detected		U
Chlorobenzene	50	Not detected		U
1,4-Dichlorobenzene	50	Not detected		U
1,2-Dichloroethane-d4 (%)		106	70- 121	
Toluene-d8 (%)		95	81- 117	
Bromofluorobenzene (%)		99	74- 121	

Correction Factor 1

U denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.
8270 TCLP Semivolatile Organics
1311/8270

Site: 35842.00
 Date Sampled: 03/06/01
 Date Received: 03/06/01
 TCLP Extraction Date: 03/07/01

Group Number: 2011-552
 Units: µg/L
 Matrix: TCLP Extract

WST ID: WS78022
 Client ID: SP-3
 Extraction Date: 03/14/01
 Date Analyzed: 03/14/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
pyridine	10	Not detected		U
1,4-dichlorobenzene	10	Not detected		U
Total cresols(o,m & p)	30	14		J
nitrobenzene	10	Not detected		U
hexachloroethane	10	Not detected		U
hexachlorobutadiene	10	Not detected		U
2,4,6-trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-dinitrotoluene	10	Not detected		U
hexachlorobenzene	10	Not detected		U
pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		44	21- 100	
Phenol-d6 (%)		28	10- 94	
Nitrobenzene-d5 (%)		94	35- 114	
Fluorobiphenyl (%)		92	43- 116	
2,4,6-Tribromophenol (%)		100	10- 123	
Terphenyl-d14 (%)		103	33- 141	

Dilution Factor 1

Waste Stream Technology, Inc.

Method Blank TCLP Semivolatiles

1311/8270

File: 35842.00

Date Sampled: NA

Date Received: NA

TCLP Extraction Date: 03/07/01

Group Number: 2011-552

Units: µg/L

WST ID: MB031401

Client ID: NA

Extraction Date: 03/14/01

Date Analyzed: 03/14/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Pyridine	10	Not detected		U
1,4-Dichlorobenzene	10	Not detected		U
Total Cresols(o,m,&p)	30	Not detected		U
Nitrobenzene	10	Not detected		U
Hexachloroethane	10	Not detected		U
Hexachlorobutadiene	10	Not detected		U
2,4,6-Trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-Dinitrotoluene	10	Not detected		U
Hexachlorobenzene	10	Not detected		U
Pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		45	21- 100	
Phenol-d6 (%)		29	10- 94	
Nitrobenzene-d5 (%)		93	35- 114	
Fluorobiphenyl (%)		87	43- 116	
2,4,6-Tribromophenol (%)		99	10- 123	
Terphenyl-d14 (%)		100	33- 141	

Dilution Factor 1

MB denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.

PCBs in Soil

SW-846 8082

Weight: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Units: mg/Kg
Matrix: Soil

WST ID: WS78020
Client ID: SP-1
Extraction Date: 03/16/01
Date Analyzed: 03/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
aroclor 1016	0.05	Not detected		U
aroclor 1221	0.04	Not detected		U
aroclor 1232	0.06	Not detected		U
aroclor 1242	0.03	Not detected		U
aroclor 1248	0.02	Not detected		U
aroclor 1254	0.01	Not detected		U
aroclor 1260	0.01	0.21		
Decachlorobiphenyl (%)		115	60- 150	
Tetrachloro-m-xylene (%)		89	60- 150	

Dilution Factor 1

Waste Stream Technology, Inc.

PCBs in Soil

SW-846 8082

Site: 35842.00

Date Sampled: 03/06/01

Date Received: 03/06/01

Group Number: 2011-552

Units: mg/Kg

Matrix: Soil

WST ID: WS78021

Client ID: SP-2

Extraction Date: 03/16/01

Date Analyzed: 03/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
aroclor 1016	0.05	Not detected		U
aroclor 1221	0.04	Not detected		U
aroclor 1232	0.06	Not detected		U
aroclor 1242	0.03	Not detected		U
aroclor 1248	0.02	Not detected		U
aroclor 1254	0.01	Not detected		U
aroclor 1260	0.01	Not detected		U
Decachlorobiphenyl (%)		116	60-150	
Tetrachloro-m-xylene (%)		89	60-150	

Dilution Factor 1

Waste Stream Technology, Inc.

PCBs in Soil

SW-846 8082

Site: 35842.00

Date Sampled: 03/06/01

Date Received: 03/06/01

Group Number: 2011-552

Units: mg/Kg

Matrix: Soil

WST ID: WS78022

Client ID: SP-3

Extraction Date: 03/16/01

Date Analyzed: 03/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
aroclor 1016	0.05	Not detected		U
aroclor 1221	0.04	Not detected		U
aroclor 1232	0.06	Not detected		U
aroclor 1242	0.03	Not detected		U
aroclor 1248	0.02	Not detected		U
aroclor 1254	0.01	Not detected		U
aroclor 1260	0.01	Not detected		U
Decachlorobiphenyl (%)		85	60- 150	
Tetrachloro-m-xylene (%)		84	60- 150	

Dilution Factor 1

Waste Stream Technology, Inc.

Method Blank for Soil PCB

SW-846 8082

Weight: 35842.00
Date Sampled: NA
Date Received: NA

Group Number: 2011-552
Units: mg/Kg

WST ID: MB01075
Client ID: NA
Extraction Date: 03/16/01
Date Analyzed: 03/16/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Aroclor 1016	0.05	Not detected		U
Aroclor 1221	0.04	Not detected		U
Aroclor 1232	0.06	Not detected		U
Aroclor 1242	0.03	Not detected		U
Aroclor 1248	0.02	Not detected		U
Aroclor 1254	0.01	Not detected		U
Aroclor 1260	0.01	Not detected		U
Decachlorobiphenyl (%)		110	60- 150	
Tetrachloro-m-xylene (%)		100	60- 150	

Dilution Factor 1
MB denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.

TCLP Pesticide Analysis

1311/8081

Weight: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78020
Client ID: SP-1
Extraction Date: 03/15/01
Date Analyzed: 03/17/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chlordane	0.350	Not detected		U
endrin	0.055	Not detected		U
gamma-BHC (Lindane)	0.016	Not detected		U
heptachlor	0.097	Not detected		U
heptachlor epoxide	0.042	Not detected		U
methoxychlor	0.031	Not detected		U
toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		84	60- 150	
Decachlorobiphenyl (%)		103	60- 150	
Dilution Factor	1			

Waste Stream Technology, Inc.

TCLP Pesticide Analysis

1311/8081

Site: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78021
Client ID: SP-2
Extraction Date: 03/15/01
Date Analyzed: 03/17/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chlordane	0.350	Not detected		U
endrin	0.055	Not detected		U
gamma-BHC (Lindane)	0.016	Not detected		U
heptachlor	0.097	Not detected		U
heptachlor epoxide	0.042	Not detected		U
methoxychlor	0.031	Not detected		U
toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		101	60- 150	
Decachlorobiphenyl (%)		98	60- 150	
Dilution Factor	1			

Waste Stream Technology, Inc.

TCLP Pesticide Analysis

1311/8081

Weight: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78022
Client ID: SP-3
Extraction Date: 03/15/01
Date Analyzed: 03/17/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chlordane	0.350	Not detected		U
endrin	0.055	Not detected		U
gamma-BHC (Lindane)	0.016	Not detected		U
heptachlor	0.097	Not detected		U
heptachlor epoxide	0.042	Not detected		U
methoxychlor	0.031	Not detected		U
toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		76	60- 150	
Decachlorobiphenyl (%)		106	60- 150	
Dilution Factor	1			

Waste Stream Technology, Inc.

Method Blank for TCLP Pesticides

1311/8081

Site: 35842.00

Date Sampled: NA

Date Received: NA

TCLP Extraction Date: 03/07/01

Group Number: 2011-552

Units: µg/L

WST ID: MB01074

Client ID: NA

Extraction Date: 03/15/01

Date Analyzed: 03/17/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Chlordane	0.350	Not detected		U
Endrin	0.055	Not detected		U
Gamma-BHC (Lindane)	0.016	Not detected		U
Heptachlor	0.097	Not detected		U
Heptachlor Epoxide	0.042	Not detected		U
Methoxychlor	0.031	Not detected		U
Toxaphene	1.540	Not detected		U
Tetrachloro-m-xylene (%)		110	60- 150	
Decachlorobiphenyl (%)		125	60- 150	

Dilution Factor 1

MB denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.
Herbicides in TCLP Extract
1311/8150

Site: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract

WST ID: WS78020
Client ID: SP-1
Extraction Date: 03/12/01
Date Analyzed: 03/15/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4-D	0.02	Not detected		U
2,4,5-TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		64	10-127	
Dilution Factor	1			

Waste Stream Technology, Inc.
Herbicides in TCLP Extract
1311/8150

Weight: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract

WST ID: WS78021
Client ID: SP-2
Extraction Date: 03/12/01
Date Analyzed: 03/15/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4-D	0.02	Not detected		U
2,4,5-TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		61	10- 127	
Dilution Factor	1			

Waste Stream Technology, Inc.
Herbicides in TCLP Extract
1311/8150

Lot: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract

WST ID: WS78022
Client ID: SP-3
Extraction Date: 03/12/01
Date Analyzed: 03/15/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4-D	0.02	Not detected		U
2,4,5-TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		61	10-127	
Dilution Factor	1			

Waste Stream Technology, Inc.

Herbicide TCLP Method Blank

1311/8150

Weight: 35842.00
Date Sampled: NA
Date Received: NA
TCLP Extraction Date: 03/07/01

Group Number: 2011-552
Units: mg/L

WST ID: MB031201
Client ID: NA
Extraction Date: 03/12/01
Date Analyzed: 03/15/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
2,4 D	0.02	Not detected		U
2,4,5 TP (Silvex)	0.02	Not detected		U
2,4-DCPAA (%)		97	10- 127	

Dilution Factor **1**
MB denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.
TCLP Metals Analysis Result Report

Site: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract
TCLP Extraction Date: 03/07/01

WST ID: WS78020
Client ID: SP-1
Digestion Date: 03/08/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Arsenic by ICP	0.045	Not detected	03/08/01	SW-846 6010
Barium by ICP	0.025	1.53	03/08/01	SW-846 6010
Cadmium by ICP	0.025	Not detected	03/08/01	SW-846 6010
Chromium by ICP	0.025	Not detected	03/08/01	SW-846 6010
Lead by ICP	0.075	0.126	03/08/01	SW-846 6010
Mercury by Cold Vapor	0.001	Not detected	03/16/01	SW-846 7470
Selenium by ICP	0.095	Not detected	03/08/01	SW-846 6010
Silver by ICP	0.025	Not detected	03/08/01	SW-846 6010

Waste Stream Technology, Inc.
TCLP Metals Analysis Result Report

Site: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract
TCLP Extraction Date: 03/07/01

WST ID: WS78021
Client ID: SP-2
Digestion Date: 03/08/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Arsenic by ICP	0.045	Not detected	03/16/01	SW-846 6010
Barium by ICP	0.025	1.03	03/16/01	SW-846 6010
Cadmium by ICP	0.025	Not detected	03/16/01	SW-846 6010
Chromium by ICP	0.025	Not detected	03/16/01	SW-846 6010
Lead by ICP	0.075	0.113	03/16/01	SW-846 6010
Mercury by Cold Vapor	0.001	Not detected	03/16/01	SW-846 7470
Selenium by ICP	0.095	Not detected	03/16/01	SW-846 6010
Silver by ICP	0.025	Not detected	03/16/01	SW-846 6010

Waste Stream Technology, Inc.
TCLP Metals Analysis Result Report

Site: 35842.00
Date Sampled: 03/06/01
Date Received: 03/06/01

Group Number: 2011-552
Units: mg/L
Matrix: TCLP Extract
TCLP Extraction Date: 03/07/01

WST ID: WS78022
Client ID: SP-3
Digestion Date: 03/08/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Arsenic by ICP	0.045	Not detected	03/08/01	SW-846 6010
Barium by ICP	0.025	1.08	03/08/01	SW-846 6010
Cadmium by ICP	0.025	Not detected	03/08/01	SW-846 6010
Chromium by ICP	0.025	Not detected	03/08/01	SW-846 6010
Lead by ICP	0.075	Not detected	03/08/01	SW-846 6010
Mercury by Cold Vapor	0.001	Not detected	03/12/01	SW-846 7470
Selenium by ICP	0.095	Not detected	03/08/01	SW-846 6010
Silver by ICP	0.025	Not detected	03/08/01	SW-846 6010

Waste Stream Technology, Inc.
Ignitability (flash point)
SW-846 1010

e: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Matrix: Soil
Units: ° F

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS78020	SP-1	NA	>200	03/13/01
WS78021	SP-2	NA	>200	03/13/01
WS78022	SP-3	NA	>200	03/13/01

Waste Stream Technology, Inc.

pH in Solid
SW-846 9045C

ite: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Matrix: Soil
Units: pH Units

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS78020	SP-1	NA	8.08	03/08/01
WS78021	SP-2	NA	7.92	03/08/01
WS78022	SP-3	NA	7.95	03/08/01

Waste Stream Technology, Inc.

Section 7.3.3.2 Reactive Cyanide

SW-846 9014

ite: 35842.00
ate Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Matrix: Soil
Units: mg/Kg

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS78020	SP-1	40.0	Not detected	03/13/01
WS78021	SP-2	40.0	Not detected	03/13/01
WS78022	SP-3	40.0	Not detected	03/13/01

Waste Stream Technology, Inc.
Section 7.3.4.2 Reactive Sulfide
SW-846 9034

Cost: 35842.00
Date Sampled: 03/05/01
Date Received: 03/06/01

Group Number: 2011-552
Matrix: Soil
Units: mg/Kg

WST ID	Client ID	Detection Limit	Result	Date Analyzed
WS78020	SP-1	40.0	Not detected	03/13/01
WS78021	SP-2	40.0	Not detected	03/13/01
WS78022	SP-3	40.0	Not detected	03/13/01

CHAIN OF CUSTODY RECORD

PROJECT NO. 35842.00 SITE NAME Envirotek - 153 Fillmore

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian; DANIEL R. TOBIN / D.R.T.

DELIVERY SERVICE: HAND DELIVER AIRBILL NO.: N/A

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX
1	3-5-01	15:45	C	SP-1	SO
2	3-6-01	11:50	C	SP-2	SO
3	3-6-01	12:05	C	SP-3	SO

CONTAINERS	4oz	16oz	clear glass	clear glass
TOTAL NO. # OF	1	1	1	1

BOTTLE TYPE AND PRESERVATIVE

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
WS78030	NI	0	0	0
21	NI	0	0	0
22	NI	0	0	0

TESTS

TEMP VOA	TEMP, RES, H2O2	5ml, metals, P&H

URS Greiner Woodward Clyde

LAB WASTE STREAN
COOLER 1 of 1
PAGE 1 of 1

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WG - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
<u>Bob Fabian</u>	3-6-01	15:21	<u>Krus Foutson</u>	3-6-01	11:21	<u>Normal Turnaround</u>
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

CARBON DRUMS

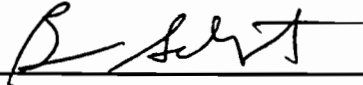
Analytical Data Report
Report Date : 03/23/01
Group Number : 2011-589

**DRUMS w/ UST
SLUDGES**

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site : Envirotek

Analytical Parameters	Analytical Services Number of Samples	Turnaround Time
Ignitability	1	Standard
TCLP 8270	2	Standard
TCLP 8260	2	Standard

Report Released By : 
Brian Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-589

Site: Envirotek

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS78183	Drum - Sludge	Sludge	03/09/01	03/09/01	15:20
WS78184	Drum - Carbon	Soil	03/09/01	03/09/01	15:20

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U -** Indicates compound was analyzed for but not detected.
- J -** Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as the sample.
- E -** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G -** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L -** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # -** Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) -** Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.
Wet Chemistry Analyses

Site: Envirotek
Date Sampled: 03/09/01
Date Received: 03/09/01

Group Number: 2011-589
Matrix: Sludge

WST ID: WS78183
Client ID Drum - Sludge

Analysis	Method Reference	Detection Limit	Result	Units	Date Analyzed
Ignitability (flash point)	SW-846 1010	NA	127	° F	03/14/01

> 200 = no flash detected at a temperature up to 200 degrees Fahrenheit.

Waste Stream Technology, Inc.

8270 TCLP Semivolatile Organics

1311/8270

Lab: Envirotek
Date Sampled: 03/09/01
Date Received: 03/09/01
TCLP Extraction Date: 03/19/01

Group Number: 2011-589
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78183
Client ID: Drum - Sludge
Extraction Date: 03/21/01
Date Analyzed: 03/22/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
pyridine	10	8		J
1,4-dichlorobenzene	10	Not detected		U
Total cresols(o,m & p)	30	2		J
nitrobenzene	10	Not detected		U
hexachloroethane	10	Not detected		U
hexachlorobutadiene	10	Not detected		U
2,4,6-trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-dinitrotoluene	10	Not detected		U
hexachlorobenzene	10	Not detected		U
pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		50	21- 100	
Phenol-d6 (%)		33	10- 94	
Chlorobenzene-d5 (%)		93	35- 114	
Fluorobiphenyl (%)		83	43- 116	
2,4,6-Tribromophenol (%)		95	10- 123	
Terphenyl-d14 (%)		88	33- 141	
Dilution Factor	1			

Waste Stream Technology, Inc.**8270 TCLP Semivolatile Organics****1311/8270**

Lab: 35848.23
Date Sampled: 03/09/01
Date Received: 03/09/01
TCLP Extraction Date: 03/19/01

Group Number: 2011-589
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78184
Client ID: Drum - Carbon
Extraction Date: 03/21/01
Date Analyzed: 03/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
pyridine	10	8		J
1,4-dichlorobenzene	10	Not detected		U
Total cresols(o,m & p)	30	Not detected		U
nitrobenzene	10	Not detected		U
hexachloroethane	10	Not detected		U
hexachlorobutadiene	10	Not detected		U
2,4,6-trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-dinitrotoluene	10	Not detected		U
hexachlorobenzene	10	Not detected		U
pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		48	21- 100	
Phenol-d6 (%)		30	10- 94	
benzene-d5 (%)		80	35- 114	
1-fluorobiphenyl (%)		77	43- 116	
2,4,6-Tribromophenol (%)		99	10- 123	
Terphenyl-d14 (%)		87	33- 141	
Dilution Factor	1			

Waste Stream Technology, Inc.

Method Blank TCLP Semivolatiles

1311/8270

te: 35848.23
Date Sampled: NA
Date Received: NA
TCLP Extraction Date: 03/19/01

Group Number: 2011-589
Units: µg/L

WST ID: MB032101
Client ID: NA
Extraction Date: 03/21/01
Date Analyzed: 03/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Pyridine	10	Not detected		U
1,4-Dichlorobenzene	10	Not detected		U
Total Cresols(o,m,&p)	30	Not detected		U
Nitrobenzene	10	Not detected		U
Hexachloroethane	10	Not detected		U
Hexachlorobutadiene	10	Not detected		U
2,4,6-Trichlorophenol	10	Not detected		U
2,4,5-trichlorophenol	10	Not detected		U
2,4-Dinitrotoluene	10	Not detected		U
Hexachlorobenzene	10	Not detected		U
Pentachlorophenol	50	Not detected		U
2-Fluorophenol (%)		45	21- 100	
Phenol-d6 (%)		31	10- 94	
obenzene-d5 (%)		77	35- 114	
-Fluorobiphenyl (%)		72	43- 116	
2,4,6-Tribromophenol (%)		87	10- 123	
Terphenyl-d14 (%)		76	33- 141	

Dilution Factor 1
MB denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.

TCLP Volatile Organics Analysis

1311/8260B

Client: Envirotek
Date Sampled: 03/09/01
Date Received: 03/09/01

Group Number: 2011-589
Units: µg/L
Matrix: TCLP Extract

WST ID: WS78183
Client ID: Drum - Sludge
TCLP Date: 03/12/01
Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	Not detected		
1,1-dichloroethene	50	Not detected		
chloroform	50	Not detected		
2-butanone	1000	Not detected		
1,2-dichloroethane	50	Not detected		
carbon tetrachloride	50	Not detected		
trichloroethene	50	Not detected		
benzene	50	32		
tetrachloroethene	50	Not detected		
chlorobenzene	50	Not detected		
1,4-dichlorobenzene	50	Not detected		
1,2-Dichloroethane-d4 (%)		106	70- 121	
Toluene-d8 (%)		103	81- 117	
Bromofluorobenzene (%)		102	74- 121	
Correction Factor	1			

Waste Stream Technology, Inc.

TCLP Volatile Organics Analysis

1311/8260B

ite: 35848.23

Date Sampled: 03/09/01

Date Received: 03/09/01

Group Number: 2011-589

Units: µg/L

Matrix: TCLP Extract

WST ID: WS78184

Client ID: Drum - Carbon

TCLP Date: 03/12/01

Date Analyzed: 03/13/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
vinyl chloride	100	25		
1,1-dichloroethene	50	Not detected		
chloroform	50	Not detected		
2-butanone	1000	556		
1,2-dichloroethane	50	Not detected		
carbon tetrachloride	50	Not detected		
trichloroethene	50	Not detected		
benzene	50	11		
tetrachloroethene	50	Not detected		
chlorobenzene	50	Not detected		
1,4-dichlorobenzene	50	Not detected		
1,2-Dichloroethane-d4 (%)		113	70-121	
Toluene-d8 (%)		95	81-117	
Bromofluorobenzene (%)		103	74-121	
Correction Factor	1			

URS F-075C/1 OF 1/CPICR/GCM

Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-1963

Site: 153 Fillmore Ave

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS85224	FA-010813-1	Oil	08/13/01	08/13/01	13:54

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U -** Indicates compound was analyzed for but not detected.
- J -** Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as the sample.
- E -** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G -** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L -** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # -** Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) -** Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.
Wet Chemistry Analyses

Site: 153 Fillmore Ave
Date Sampled: 08/13/01
Date Received: 08/13/01

Group Number: 2011-1963
Matrix: Oil

WST ID: WS85224
Client ID FA-010813-1

Analysis	Method Reference	Detection Limit	Result	Units	Date Analyzed
Ignitability (flash point)	SW-846 1010	NA	>200	° F	08/15/01

> 200 = no flash detected at a temperature up to 200 degrees Fahrenheit.

Waste Stream Technology, Inc.

PCBs in Oil

SW-846 8082

Site: 153 Fillmore Ave
Date Sampled: 08/13/01
Date Received: 08/13/01

Group Number: 2011-1963

Units: mg/Kg

Matrix: Oil

WST ID: WS85224
Client ID: FA-010813-1
Extraction Date: 08/14/01
Date Analyzed: 08/15/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
Aroclor 1016	0.5	Not detected		U
Aroclor 1221	0.5	Not detected		U
Aroclor 1232	0.5	Not detected		U
Aroclor 1242	0.5	Not detected		U
Aroclor 1248	0.5	Not detected		U
Aroclor 1254	0.5	Not detected		U
Aroclor 1260	0.5	Not detected		U
Decachlorobiphenyl (%)		80	60- 150	
Tetrachloro-m-xylene (%)		78	60- 150	

Dilution Factor 1

DRS

LAB Waste Stream
COOLER 1 of 1
PAGE 1 of 1

Kevin S. Kearney / Kevin S. Kearney

AIRBILL NO.:

✓

[illegible][illegible]

WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
WC - DRILLING WATER	WQ - WATER FIELD QC	

ENVIRONMENTAL SAMPLE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

	SPECIAL INSTRUCTIONS	
	DATE	TIME
	8/31/01	1500
	TPI - OR 6157-2 DATA	

(SIGNATURE)	DATE	TIME
<i>[Signature]</i>	8/13/50	

Flash Point 1.4.1
P. Order # 05-16808

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

*AST-1 OIL
SAMPLE
(FINGERPRINT)*

Analytical Data Report

Report Date : 08/31/01
Group Numbers : 2011-1963

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site: 153 Fillmore Ave

Analytical Parameters
310-14

Analytical Services
Number of Samples
1

Turnaround Time
Standard

Report Released By : Daniel W. Vollmer
Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-1963

Site: 153 Fillmore Ave

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS85224	FA-010613-1	Oil	08/13/01	08/13/01	13:54

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

Waste Stream Technology, Inc.

Petroleum Product Identification Analysis NYSDOH Method 310-14

Site : 153 Filmore Avenue
Date Sampled : 8/13/01
Date Received : 8/13/01

Group Number : 2011-1963
Date Extracted : 8/29/01
Matrix : Oil

WST Sample ID	Client ID	Date Analyzed	Fuel Type Detected
WS85224	FA-010813-1	8/30/01	Lubricating Oil*

*The sample exhibited a late eluting pattern indicative of a heavy petroleum hydrocarbon similar to lubricating oil. The method number 310-14 chromatogram for sample number WS85224 is shown in Figure 1. Figure 2 shows the sample chromatogram compared to a lubricating oil standard.

Chromatogram

Sample Name : WS85224

FileName : Q:\TC4\DATA2\T241016.RAW

File : FIDTPH.MTH

Start Time : 0.00 min

Scale Factor: 0.0

End Time : 35.00 min

Plot Offset: 0 mV

Sample #: 16

Date : 8/30/01 08:17

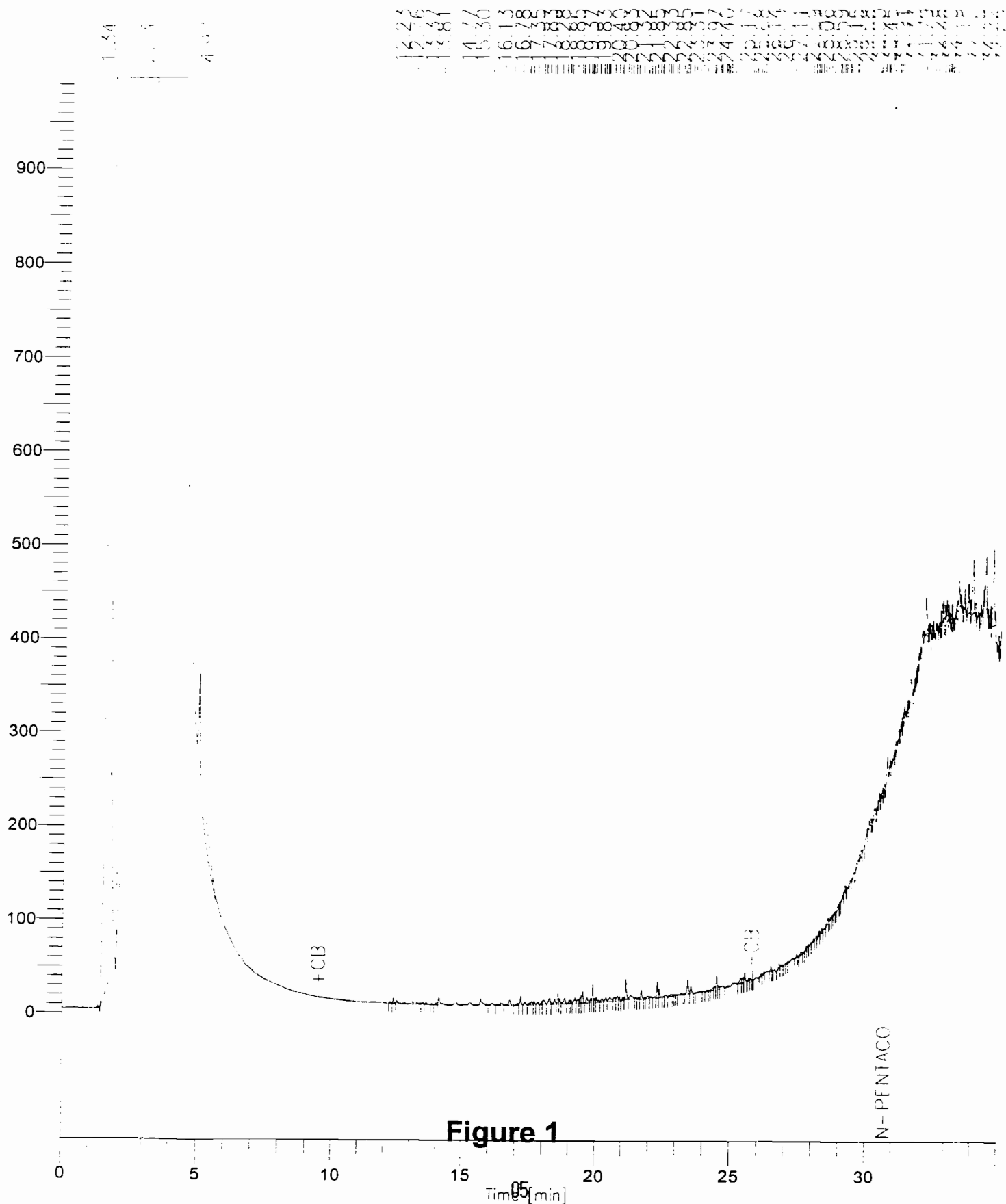
Time of Injection: 8/30/01 03:42

Low Point : 0.00 mV

Plot Scale: 1000.0 mV

Page 1 of 1

High Point : 1000.00 mV



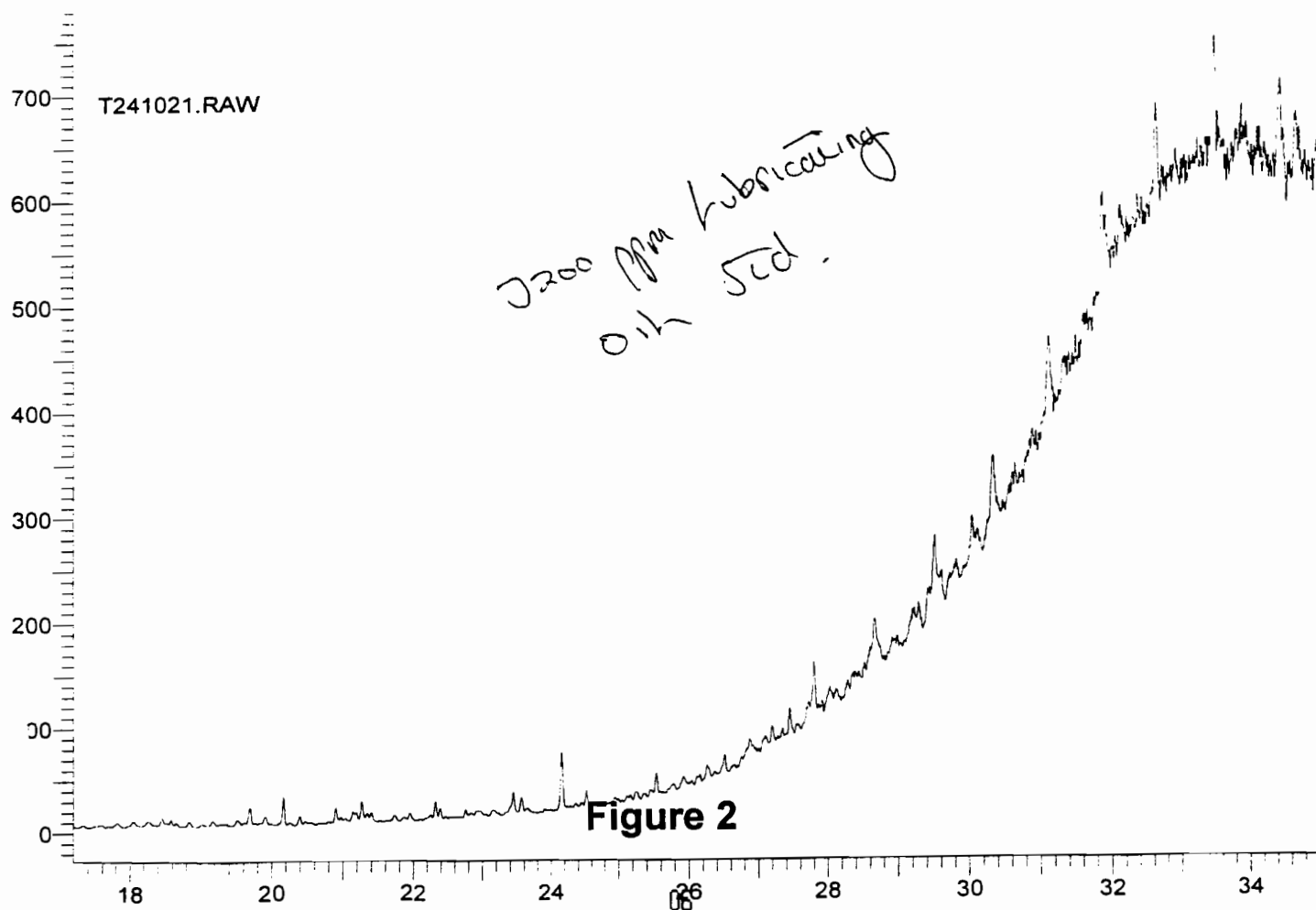
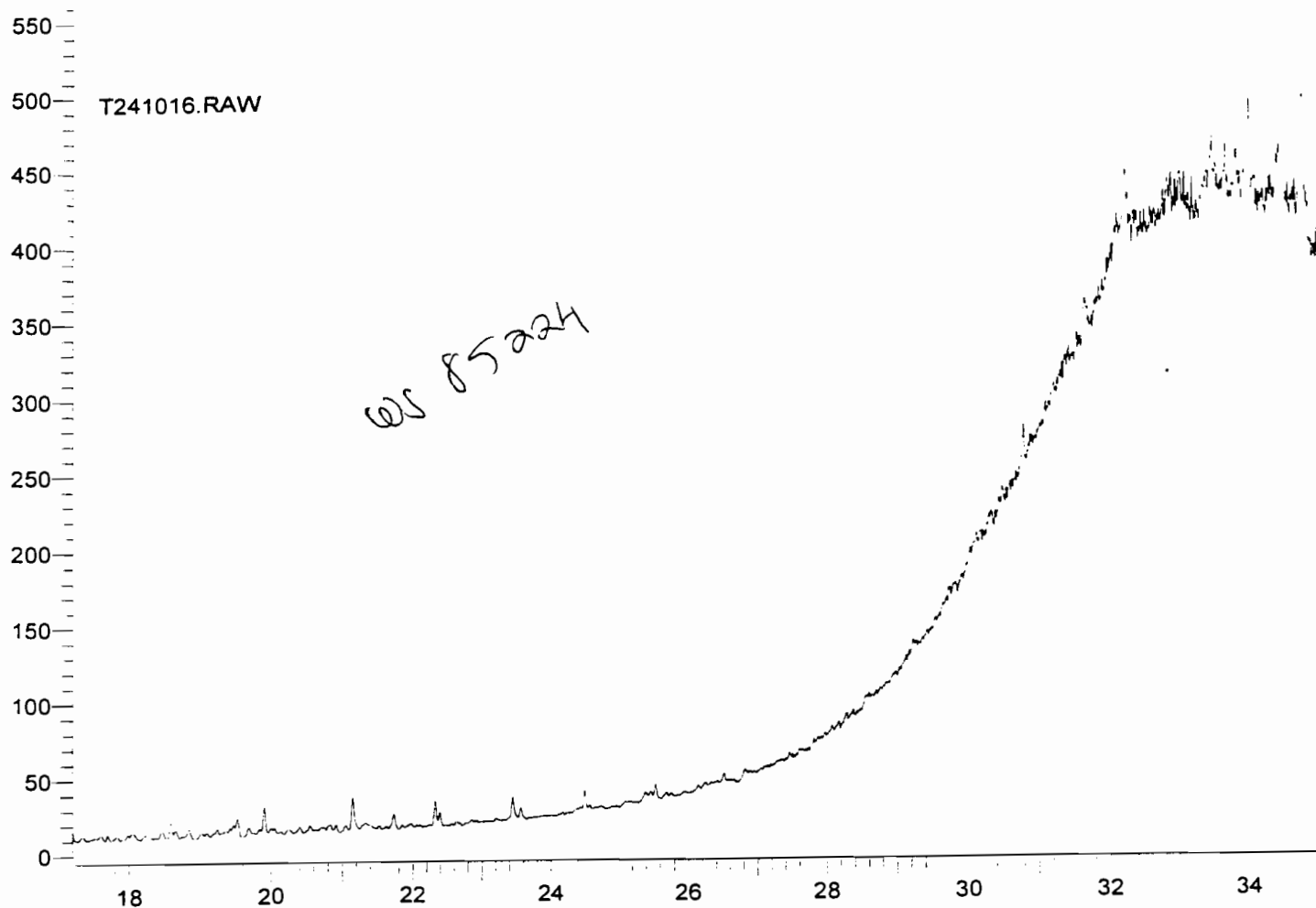


Figure 2

APPENDIX B-2

UST EXCAVATION SAMPLES

Date: 27-FEB-2001

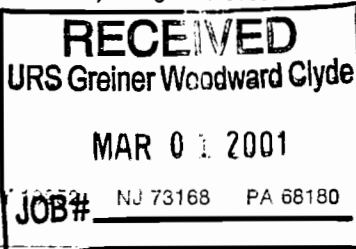
Lab Sample ID: L63619-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842:00
Origin: J-UST-WW
Description: GRAB
Sampled On: 01-FEB-01 15:15 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.551	13-FEB-01 00:00	EPA 335.3	01-034-1
Total Solids	83.1	%		06-FEB-01 00:00	CLP 3.0	01-001-32
Aluminum	6820	mg/kg	9.03	16-FEB-01 04:29	EPA 6010	01-039-02
Antimony	U	mg/kg	6.02	16-FEB-01 04:29	EPA 6010	01-039-02
Arsenic	2.2	mg/kg	1.20	14-FEB-01 00:00	EPA 7060	00-026-36
Barium	74.4	mg/kg	1.93	16-FEB-01 04:29	EPA 6010	01-039-02
Beryllium	0.369	mg/kg	0.241	16-FEB-01 04:29	EPA 6010	01-039-02
Cadmium	U	mg/kg	0.602	16-FEB-01 04:29	EPA 6010	01-039-02
Calcium	2150	mg/kg	60.2	16-FEB-01 04:29	EPA 6010	01-039-02
Chromium	9.25	mg/kg	1.20	16-FEB-01 04:29	EPA 6010	01-039-02
Cobalt	5.1	mg/kg	1.20	16-FEB-01 04:29	EPA 6010	01-039-02
Copper	14.1	mg/kg	2.05	16-FEB-01 04:29	EPA 6010	01-039-02
Iron	14400	mg/kg	4.81	16-FEB-01 04:29	EPA 6010	01-039-02
Lead	14.9	mg/kg	5.29	16-FEB-01 04:29	EPA 6010	01-039-02
Magnesium	1750	mg/kg	60.2	16-FEB-01 04:29	EPA 6010	01-039-02
Manganese	265	mg/kg	0.602	16-FEB-01 04:29	EPA 6010	01-039-02
Mercury	U	mg/kg	0.0530	13-FEB-01 00:00	EPA 7470	98-011-36
Nickel	15.1	mg/kg	1.44	16-FEB-01 04:29	EPA 6010	01-039-02
Potassium	516	mg/kg	60.2	16-FEB-01 04:29	EPA 6010	01-039-02
Selenium	U	mg/kg	0.600	15-FEB-01 00:00	EPA 7741	98-201-55
Silver	U	mg/kg	1.20	16-FEB-01 04:29	EPA 6010	01-039-02
Sodium	76.6	mg/kg	24.1	16-FEB-01 04:29	EPA 6010	01-039-02

Results calculated on a dry weight basis.



EPA NY 000 Page 1 of 6

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-2

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Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-WW
Description: GRAB
Sampled On: 01-FEB-01 15:15 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	mg/kg	7.82	16-FEB-01 04:29	EPA 6010	01-039-02
Vanadium	15.9 ✓	mg/kg	1.20	16-FEB-01 04:29	EPA 6010	01-039-02
Zinc	44.2 ✓	mg/kg	2.41	16-FEB-01 04:29	EPA 6010	01-039-02
EPA 8260 Volatiles						
Chloromethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Vinyl chloride	U	ug/kg	2	08-FEB-01 16:37	EPA 8260	01-027-4007
Chloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Bromomethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,1-Dichloroethene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Acetone	110 ✓	ug/kg	29	08-FEB-01 16:37	EPA 8260	01-027-4007
Carbon disulfide	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Methylene chloride	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
trans-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,1-Dichloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
cis-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
MEK(2-Butanone)	U	ug/kg	29	08-FEB-01 16:37	EPA 8260	01-027-4007
Bromoform	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,1,1-Trichloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Carbon tetrachloride	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Benzene	U	ug/kg	0.8	08-FEB-01 16:37	EPA 8260	01-027-4007
1,2-Dichloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Trichloroethene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,2-Dichloropropane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Bromodichloromethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
cis-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	08-FEB-01 16:37	EPA 8260	01-027-4007
Toluene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
trans-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,1,2-Trichloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Tetrachloroethene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
2-Hexanone	U	ug/kg	11	08-FEB-01 16:37	EPA 8260	01-027-4007
Dibromochloromethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Chlorobenzene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Ethylbenzene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
p-Xylene/m-Xylene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
o-Xylene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Styrene	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
Bromoform	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007
1,1,2,2-Tetrachloroethane	U	ug/kg	6	08-FEB-01 16:37	EPA 8260	01-027-4007

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 000 Page 2 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-WW
Description: GRAB
Sampled On: 01-FEB-01 15:15 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	100	%				01-027-4007
Toluene-d8	94	%				01-027-4007
4-Bromofluorobenzene	99	%				01-027-4007

EPA 8081

alpha-BHC	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
beta-BHC	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Lindane (gamma-BHC)	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
delta-BHC	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Heptachlor	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Aldrin	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Heptachlor epoxide	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
alpha-Chlordane	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endosulfan I	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
gamma-Chlordane	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
4,4'-DDE	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Dieldrin	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endrin	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endosulfan II	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
DDD	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endrin ketone	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endrin aldehyde	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Endosulfan sulfate	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
4,4'-DDT	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Methoxychlor	U	mg/kg	0.006	12-FEB-01 00:00	EPA 8081	99-127-2678R
Toxaphene	U	mg/kg	0.06	12-FEB-01 00:00	EPA 8081	99-127-2678R

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:						
Decachlorobiphenyl	104	%				99-127-2678R
Tetrachloro-m-Xylene	88	%				99-127-2678R

EPA 8082

PCB 1016	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1221	U	mg/kg	0.02	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1232	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1242	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1248	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1254	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R
PCB 1260	U	mg/kg	0.01	12-FEB-01 00:00	EPA 8082	99-127-2678R

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033
Page 3 of 6

Approved by: 
Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date: 27-FEB-2001

Lab Sample ID: L63619-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-WW
Description: GRAB
Sampled On: 01-FEB-01 15:15 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:
tetrachloro-m-xylene
decachlorobiphenyl

88 %
104 %

99-127-2678R
99-127-2678R

PA 8151

4-D	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6636F
4,5-TP (Silvex)	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6636F
4,5-T	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6636F
inoseb	U R	ug/kg	0.04	17-FEB-01 00:00	EPA 8151	99-100-6636F
alapon	U	ug/kg	1.6	17-FEB-01 00:00	EPA 8151	99-100-6636F
4-DB	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6636F
CPP	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6636F
CPA	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6636F
ichloroprop	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6636F
icamba	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6636F

Extraction Information:

13-FEB-01 00:00 EPA 3550

00-088-80

Surrogate Recovery:

79 %

99-100-6636F

Analysis Comment: R-results suspect due to low check sample recovery.

PA 8270

is(2-chloroethylether)	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
henol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
-Chlorophenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
,3-Dichlorobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
,4-Dichlorobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
,2-Dichlorobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
is(2-chloroisopropylether)	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
-Methylphenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
exachloroethane	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
-Nitrosodi-N-propylamine	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
-Methylphenol/4-Methylphenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
itrobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
sophorone	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
-Nitrophenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
,4-Dimethylphenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
is(2-chloroethoxymethane)	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
,4-Dichlorophenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 4 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-WW
Description: GRAB
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Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,2,4-Trichlorobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Naphthalene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Chloroaniline	U	ug/kg	600	09-FEB-01 19:50	EPA 8270	00-165-1660
Hexachlorobutadiene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Chloro-3-methylphenol	U	ug/kg	600	09-FEB-01 19:50	EPA 8270	00-165-1660
2-Methylnaphthalene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Hexachlorocyclopentadiene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2,4,6-Trichlorophenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2,4,5-Trichlorophenol	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2-Chloronaphthalene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2-Nitroaniline	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
Dimethyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Acenaphthylene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2,6-Dinitrotoluene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
3-Nitroaniline	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
Acenaphthene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2,4-Dinitrophenol	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
Dibenzofuran	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
2,4-Dinitrotoluene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Nitrophenol	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
Diethyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Phenanthrene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Chlorophenylphenylether	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Nitroaniline	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
N-Nitrosodiphenylamine	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
4-Bromophenylphenylether	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Hexachlorobenzene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Pentachlorophenol	U	ug/kg	1200	09-FEB-01 19:50	EPA 8270	00-165-1660
Phenanthrene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Anthracene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Carbazole	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Di-n-butyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Fluoranthene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Pyrene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Butylbenzyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Benzo(a)anthracene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
3,3-Dichlorobenzidine	U	ug/kg	600	09-FEB-01 19:50	EPA 8270	00-165-1660
Chrysene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Bis-2-ethylhexyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Di-n-octyl phthalate	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Benzo(b)fluoranthene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Benzo(k)fluoranthene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Benzo(a)pyrene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660

Results calculated on a dry weight basis.

QC K NY 10252 NJ 73168 PA 68180 EPA NY 00088 Page 5 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L	= micrograms per liter (equivalent to parts per billion)
mg/kg	= milligrams per kilogram (equivalent to parts per million)
J	= result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-WW
Description: GRAB
Sampled On: 01-FEB-01 15:15 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzo(a,h)anthracene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Benzo(g,h,i)perylene	U	ug/kg	300	09-FEB-01 19:50	EPA 8270	00-165-1660
Extraction Information:				06-FEB-01 00:00	EPA 3550	00-197-40
Surrogate Recovery:						
Terphenyl-d14	84	%				00-165-1660
2-Fluorophenol	70	%				00-165-1660
Phenol-d5	72	%				00-165-1660
2,4,6-Tribromophenol	75	%				00-165-1660
Nitrobenzene-d5	67	%				00-165-1660
2-Fluorobiphenyl	74	%				00-165-1660
Analysis Comment: Results Calculated on a dry weight basis.						

Results calculated on a dry weight basis.

QC  NY 10252 101 73168 PA 68180 EPA NY 00036 Page 6 of 6

Approved by: 

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.478	13-FEB-01 00:00	EPA 335.3	01-034-1
Total Solids	84.1	%		06-FEB-01 00:00	CLP 3.0	01-001-32
Aluminum	4790 ✓	mg/kg	8.74	16-FEB-01 04:50	EPA 6010	01-039-02
Antimony	6.32 ✓	mg/kg	5.83	16-FEB-01 04:50	EPA 6010	01-039-02
Arsenic	2.4 ✓	mg/kg	1.20	14-FEB-01 00:00	EPA 7060	00-026-36
Barium	61 ✓	mg/kg	1.87	16-FEB-01 04:50	EPA 6010	01-039-02
Beryllium	0.282 ✓	mg/kg	0.233	16-FEB-01 04:50	EPA 6010	01-039-02
Cadmium	0.868 ✓	mg/kg	0.583	16-FEB-01 04:50	EPA 6010	01-039-02
Calcium	67900 ✓	mg/kg	1200	16-FEB-01 04:53	EPA 6010	01-039-02
Chromium	8.54 ✓	mg/kg	1.17	16-FEB-01 04:50	EPA 6010	01-039-02
Cobalt	6.23 ✓	mg/kg	1.17	16-FEB-01 04:50	EPA 6010	01-039-02
Copper	22.4 ✓	mg/kg	1.98	16-FEB-01 04:50	EPA 6010	01-039-02
Iron	10900	mg/kg	4.66	16-FEB-01 04:50	EPA 6010	01-039-02
Lead	77.7 ✓	mg/kg	5.13	16-FEB-01 04:50	EPA 6010	01-039-02
Magnesium	30600 ✓	mg/kg	1200	16-FEB-01 04:53	EPA 6010	01-039-02
Manganese	356 ✓	mg/kg	0.583	16-FEB-01 04:50	EPA 6010	01-039-02
Mercury	U	mg/kg	0.0520	13-FEB-01 00:00	EPA 7470	98-011-36
Nickel	13.2 ✓	mg/kg	1.40	16-FEB-01 04:50	EPA 6010	01-039-02
Potassium	1080	mg/kg	58.3	16-FEB-01 04:50	EPA 6010	01-039-02
Selenium	U W	mg/kg	0.590	16-FEB-01 00:00	EPA 7741	98-201-56
Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						

Results calculated on a dry weight basis.

Page 1 of 6

QC B NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: 

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	1.17	26-FEB-01 07:18	EPA 6010	01-039-04
Sodium	147 ✓	mg/kg	23.3	16-FEB-01 04:50	EPA 6010	01-039-02
Thallium	U	mg/kg	7.58	16-FEB-01 04:50	EPA 6010	01-039-02
Vanadium	11.8 ✓	mg/kg	1.17	16-FEB-01 04:50	EPA 6010	01-039-02
Zinc	157 ✓	mg/kg	2.33	16-FEB-01 04:50	EPA 6010	01-039-02
EPA 8260 Vol 3						
Chloromethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Vinyl chloride	U	ug/kg	180	14-FEB-01 18:21	EPA 8260	01-027-4083
Chloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Bromomethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,1-Dichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Acetone	U	ug/kg	2300	14-FEB-01 18:21	EPA 8260	01-027-4083
Carbon disulfide	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
ylene chloride	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
s-1,2-Dichloroethene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,1-Dichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
cis-1,2-Dichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
MEK(2-Butanone)	U	ug/kg	2300	14-FEB-01 18:21	EPA 8260	01-027-4083
Chloroform	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,1,1-Trichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Carbon tetrachloride	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Benzene	U	ug/kg	64	14-FEB-01 18:21	EPA 8260	01-027-4083
1,2-Dichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Trichloroethene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,2-Dichloropropane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Bromodichloromethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
cis-1,3-Dichloropropene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
MIBK(4-Methyl-2-pentanone)	U	ug/kg	920	14-FEB-01 18:21	EPA 8260	01-027-4083
Toluene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
trans-1,3-Dichloropropene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,1,2-Trichloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Tetrachloroethene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
2-Hexanone	U	ug/kg	920	14-FEB-01 18:21	EPA 8260	01-027-4083
Dibromochloromethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Chlorobenzene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Ethylbenzene	1700 ✓	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
p-Xylene/m-Xylene	10000 ✓	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
o-Xylene	1200 ✓	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083

Results calculated on a dry weight basis.

QC a NY 10252 NJ 73168 PA 68180 EPA NY 00038 Page 2 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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"Our family, caring about your analytical needs... Since 1963."

Date: 27-FEB-2001

Lab Sample ID: L63619-4

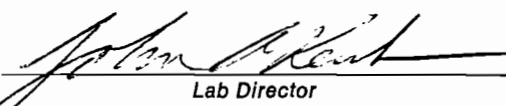
URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Bromoform	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
1,1,2,2-Tetrachloroethane	U	ug/kg	460	14-FEB-01 18:21	EPA 8260	01-027-4083
Surrogate Recovery:						
Dibromofluoromethane	98	%				01-027-4083
Toluene-d8	100	%				01-027-4083
4-Bromofluorobenzene	95	%				01-027-4083
EPA 8081						
alpha-BHC	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
beta-BHC	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Lindane (gamma-BHC)	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
delta-BHC	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Heptachlor	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Aldrin	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Heptachlor epoxide	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
alpha-Chlordane	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endosulfan I	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
gamma-Chlordane	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
-DDE	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
rin	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endrin	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endosulfan II	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
4,4'-DDD	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endrin ketone	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endrin aldehyde	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Endosulfan sulfate	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
4,4'-DDT	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Methoxychlor	U	mg/kg	0.12	13-FEB-01 00:00	EPA 8081	99-127-2681R
Toxaphene	U	mg/kg	1.2	13-FEB-01 00:00	EPA 8081	99-127-2681R
Extraction Information:				07-FEB-01 00:00		00-192-38
Surrogate Recovery:						
Decachlorobiphenyl	93	%				99-127-2681R
Tetrachloro-m-Xylene	83	%				99-127-2681R

Results calculated on a dry weight basis.

QC  NY 10252 NJ 73168 PA 68180 EPA NY 00033
Page 3 of 6

Approved by: 

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
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ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1221	U	mg/kg	0.47	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1232	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1242	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1248	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1254	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R
PCB 1260	U	mg/kg	0.24	13-FEB-01 00:00	EPA 8082	99-127-2681R

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:
Tetrachloro-m-xylene
Decachlorobiphenyl

83
93

%
%

99-127-2681R
99-127-2681R

EPA 8151

2,4-D	U	ug/kg	0.79	17-FEB-01 00:00	EPA 8151	99-100-6637F
2,4,5-TP (Silvex)	U	ug/kg	0.79	17-FEB-01 00:00	EPA 8151	99-100-6637F
5-T	U	ug/kg	0.79	17-FEB-01 00:00	EPA 8151	99-100-6637F
hep	U R	ug/kg	0.4	17-FEB-01 00:00	EPA 8151	99-100-6637F
calapon	U	ug/kg	16	17-FEB-01 00:00	EPA 8151	99-100-6637F
2,4-DB	U	ug/kg	7.9	17-FEB-01 00:00	EPA 8151	99-100-6637F
MCP	U	ug/kg	790	17-FEB-01 00:00	EPA 8151	99-100-6637F
MCPA	U	ug/kg	790	17-FEB-01 00:00	EPA 8151	99-100-6637F
Dichloroprop	U	ug/kg	7.9	17-FEB-01 00:00	EPA 8151	99-100-6637F
Dicamba	U	ug/kg	0.79	17-FEB-01 00:00	EPA 8151	99-100-6637F

Extraction Information:

13-FEB-01 00:00 EPA 3550

00-088-80

Surrogate Recovery:

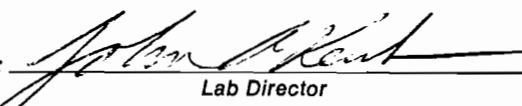
DCAA 125 %

99-100-6637F

Analysis Comment: R-results suspect due to low check sample recovery.

Results calculated on a dry weight basis.

QC R NY 10252 NJ 73168 PA 68180 EPA NY 00033
Page 4 of 6

Approved by: 
Lab Director

ND or U	= None Detected	<	= less than	ug/L	= micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)			mg/kg	= milligrams per kilogram (equivalent to parts per million)
B	= analyte was detected in the method or trip blank			J	= result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270 SVoAs						
Bis(2-chloroethylether)	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Phenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Chlorophenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
1,3-Dichlorobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
1,4-Dichlorobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
1,2-Dichlorobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Bis(2-chloroisopropylether)	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Methylphenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Hexachloroethane	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
N-Nitrosodi-N-propylamine	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
3-Methylphenol/4-Methylphenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Nitrobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Isophorone	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Nitrophenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4-Dimethylphenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Bis(2-chloroethoxymethane)	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4-Dichlorophenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
1,2,4-Trichlorobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
thylene	310	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
oroaniline	U	ug/kg	590	14-FEB-01 20:15	EPA 8270	00-165-1713
hexachlorobutadiene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
4-Chloro-3-methylphenol	U	ug/kg	590	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Methylnaphthalene	81 J	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Hexachlorocyclopentadiene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4,6-Trichlorophenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4,5-Trichlorophenol	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Chloronaphthalene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Nitroaniline	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
Dimethyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Acenaphthylene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,6-Dinitrotoluene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
3-Nitroaniline	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
Acenaphthene	1400	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4-Dinitrophenol	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
Dibenzofuran	260 J	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
2,4-Dinitrotoluene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
4-Nitrophenol	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
Diethyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Fluorene	680	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
4-Chlorophenylphenylether	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
4-Nitroaniline	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
N-Nitrosodiphenylamine	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Results calculated on a dry weight basis.						

NY 10252 NJ 73168 PA 68180 EPA NY 0000 Case 5 of 6

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."

Date: 27-FEB-2001

Lab Sample ID: L63619-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-SW
Description: GRAB
Sampled On: 01-FEB-01 15:25 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Bromophenylphenylether	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Hexachlorobenzene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Pentachlorophenol	U	ug/kg	1200	14-FEB-01 20:15	EPA 8270	00-165-1713
Phenanthrene	3200 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Anthracene	1000 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Carbazole	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Di-n-butyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Fluoranthene	1200 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Pyrene	3100 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Butylbenzyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Benzo(a)anthracene	830	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
3,3-Dichlorobenzidine	U	ug/kg	590	14-FEB-01 20:15	EPA 8270	00-165-1713
Chrysene	690 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Bis-2-ethylhexyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Di-n-octyl phthalate	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Benzo(b)fluoranthene	820 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Benzo(k)fluoranthene	380 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Benzo(a)pyrene	950 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Indeno(1,2,3-cd)pyrene	300	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Dibenzo(a,h)anthracene	U	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713
Benzo(g,h,i)perylene	320 ✓	ug/kg	300	14-FEB-01 20:15	EPA 8270	00-165-1713

Extraction Information:

06-FEB-01 00:00 EPA 3550 00-197-40

Surrogate Recovery:

Terphenyl-d14	92	%	00-165-1713
2-Fluorophenol	77	%	00-165-1713
Phenol-d5	80	%	00-165-1713
2,4,6-Tribromophenol	57	%	00-165-1713
Nitrobenzene-d5	78	%	00-165-1713
2-Fluorobiphenyl	81	%	00-165-1713

Analysis Comment: Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.585	13-FEB-01 00:00	EPA 335.3	01-034-1
Total Solids	83.3	%		06-FEB-01 00:00	CLP 3.0	01-001-32
Aluminum	4970	mg/kg	8.34	16-FEB-01 04:59	EPA 6010	01-039-02
Antimony	U	mg/kg	5.56	16-FEB-01 04:59	EPA 6010	01-039-02
Arsenic	2.5	mg/kg	1.10	14-FEB-01 00:00	EPA 7060	00-026-36
Barium	30.8	mg/kg	1.78	16-FEB-01 04:59	EPA 6010	01-039-02
Beryllium	0.239	mg/kg	0.222	16-FEB-01 04:59	EPA 6010	01-039-02
Cadmium	U	mg/kg	0.556	16-FEB-01 04:59	EPA 6010	01-039-02
Calcium	53400	mg/kg	55.6	16-FEB-01 04:59	EPA 6010	01-039-02
Chromium	7.17	mg/kg	1.11	16-FEB-01 04:59	EPA 6010	01-039-02
Cobalt	5.59	mg/kg	1.11	16-FEB-01 04:59	EPA 6010	01-039-02
Copper	16.1	mg/kg	1.89	16-FEB-01 04:59	EPA 6010	01-039-02
Iron	11900	mg/kg	4.45	16-FEB-01 04:59	EPA 6010	01-039-02
Lead	7.52	mg/kg	4.89	16-FEB-01 04:59	EPA 6010	01-039-02
Magnesium	12200	mg/kg	55.6	16-FEB-01 04:59	EPA 6010	01-039-02
Manganese	535	mg/kg	0.556	16-FEB-01 04:59	EPA 6010	01-039-02
Mercury	U	mg/kg	0.0670	13-FEB-01 00:00	EPA 7470	98-011-36
Nickel	14.8	mg/kg	1.33	16-FEB-01 04:59	EPA 6010	01-039-02
Potassium	687	mg/kg	55.6	16-FEB-01 04:59	EPA 6010	01-039-02
Selenium	U	mg/kg	0.540	16-FEB-01 00:00	EPA 7741	98-201-56
Silver	U	mg/kg	1.11	16-FEB-01 04:59	EPA 6010	01-039-02
Sodium	121	mg/kg	22.2	16-FEB-01 04:59	EPA 6010	01-039-02

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00022 Page 1 of 6

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."

Date: 27-FEB-2001

Lab Sample ID: L63619-6

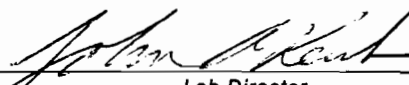
URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	mg/kg	7.23	16-FEB-01 04:59	EPA 6010	01-039-02
Vanadium	14	mg/kg	1.11	16-FEB-01 04:59	EPA 6010	01-039-02
Zinc	41.6	mg/kg	2.22	16-FEB-01 04:59	EPA 6010	01-039-02
EPA 8260						
Chloromethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Vinyl chloride	U	ug/kg	2	09-FEB-01 11:47	EPA 8260	01-027-4021
Chloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Bromomethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1,1-Dichloroethene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Acetone	U	ug/kg	30	09-FEB-01 11:47	EPA 8260	01-027-4021
Carbon disulfide	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Methylene chloride	7	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
trans-1,2-Dichloroethene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1,1-Dichloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
cis-1,2-Dichloroethene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
MEK(2-Butanone)	U	ug/kg	30	09-FEB-01 11:47	EPA 8260	01-027-4021
proform	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1-Trichloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Carbon tetrachloride	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Benzene	U	ug/kg	0.8	09-FEB-01 11:47	EPA 8260	01-027-4021
1,2-Dichloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Trichloroethene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1,2-Dichloropropane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Bromodichloromethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
cis-1,3-Dichloropropene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	09-FEB-01 11:47	EPA 8260	01-027-4021
Toluene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
trans-1,3-Dichloropropene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1,1,2-Trichloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Tetrachloroethene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
2-Hexanone	U	ug/kg	12	09-FEB-01 11:47	EPA 8260	01-027-4021
Dibromochloromethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Chlorobenzene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Ethylbenzene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
p-Xylene/m-Xylene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
o-Xylene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Styrene	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
Bromoform	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021
1,1,2,2-Tetrachloroethane	U	ug/kg	6	09-FEB-01 11:47	EPA 8260	01-027-4021

Results calculated on a dry weight basis.

QC  NY 10252 NJ 73168 PA 68180 EPA NY 000 Page 2 of 6

Approved by: 

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	94	%				01-027-4021
Toluene-d8	94	%				01-027-4021
4-Bromofluorobenzene	100	%				01-027-4021

EPA 8081

alpha-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
beta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Lindane (gamma-BHC)	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
delta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Heptachlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Aldrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Heptachlor epoxide	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
alpha-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endosulfan I	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
gamma-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
4,4'-DDE	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Dieldrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endosulfan II	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
DDD	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endrin ketone	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endrin aldehyde	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Endosulfan sulfate	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
4,4'-DDT	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Methoxychlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2682R
Toxaphene	U	mg/kg	0.06	13-FEB-01 00:00	EPA 8081	99-127-2682R

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:						
Decachlorobiphenyl	89	%				99-127-2682R
Tetrachloro-m-Xylene	76	%				99-127-2682R

EPA 8082

PCB 1016	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1221	U	mg/kg	0.02	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1232	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1242	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1248	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1254	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R
PCB 1260	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2682R

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 3 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:
Tetrachloro-m-xylene
Decachlorobiphenyl

76 %
89 %

99-127-2682R
99-127-2682R

EPA 8151

2,4-D	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6638F
2,4,5-TP (Silvex)	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6638F
2,4,5-T	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6638F
Dinoseb	U R	ug/kg	0.04	17-FEB-01 00:00	EPA 8151	99-100-6638F
Dalapon	U	ug/kg	1.6	17-FEB-01 00:00	EPA 8151	99-100-6638F
2,4-DB	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6638F
MCPP	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6638F
MCPA	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6638F
Dichloroprop	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6638F
Dicamba	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6638F

Extraction Information:

13-FEB-01 00:00 EPA 3550

00-088-80

Surrogate Recovery:

DCAA 146 %

99-100-6638F

Analysis Comment: R-results suspect due to low check sample recovery.

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Phenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Chlorophenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
1,3-Dichlorobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
1,4-Dichlorobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
1,2-Dichlorobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Bis(2-chloroisopropylether)	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Methylphenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Hexachloroethane	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
N-Nitrosodi-N-propylamine	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
3-Methylphenol/4-Methylphenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Nitrobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Isophorone	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Nitrophenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4-Dimethylphenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Bis(2-chloroethoxymethane)	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4-Dichlorophenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693

Results calculated on a dry weight basis.

QC R NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 4 of 6

Approved by:

Lab Director

ND or U	= None Detected	<	= less than	ug/L	= micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)			mg/kg	= milligrams per kilogram (equivalent to parts per million)
B	= analyte was detected in the method or trip blank			J	= result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."

Date: 27-FEB-2001

Lab Sample ID: L63619-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,2,4-Trichlorobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Naphthalene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Chloroaniline	U	ug/kg	600	14-FEB-01 00:47	EPA 8270	00-165-1693
Hexachlorobutadiene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Chloro-3-methylphenol	U	ug/kg	600	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Methylnaphthalene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Hexachlorocyclopentadiene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4,6-Trichlorophenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4,5-Trichlorophenol	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Chloronaphthalene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Nitroaniline	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
Dimethyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Acenaphthylene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,6-Dinitrotoluene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
3-Nitroaniline	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
Acenaphthene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4-Dinitrophenol	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
Dibenzofuran	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
2,4-Dinitrotoluene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Nitrophenol	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Nitrophenyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Nitrophenyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Nitrophenyl phenylether	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Nitroaniline	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
N-Nitrosodiphenylamine	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
4-Bromophenylphenylether	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Hexachlorobenzene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Pentachlorophenol	U	ug/kg	1200	14-FEB-01 00:47	EPA 8270	00-165-1693
Phenanthrene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Anthracene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Carbazole	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Di-n-butyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Fluoranthene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Pyrene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Butylbenzyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Benzo(a)anthracene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
3,3-Dichlorobenzidine	U	ug/kg	600	14-FEB-01 00:47	EPA 8270	00-165-1693
Chrysene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Bis-2-ethylhexyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Di-n-octyl phthalate	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Benzo(b)fluoranthene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Benzo(k)fluoranthene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Benzo(a)pyrene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Results calculated on a dry weight basis.						

QC *R* NY 10252 NJ 73168 PA 68180 EPA NY 000 Page 5 of 6

Approved by:

John A. Kent
Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."

Date: 27-FEB-2001

Lab Sample ID: L63619-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-EW
Description: GRAB
Sampled On: 01-FEB-01 15:35 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzo(a,h)anthracene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Benzo(g,h,i)perylene	U	ug/kg	300	14-FEB-01 00:47	EPA 8270	00-165-1693
Extraction Information:				06-FEB-01 00:00	EPA 3550	00-197-40
Surrogate Recovery:						
Terphenyl-d14	96	%				00-165-1693
2-Fluorophenol	84	%				00-165-1693
Phenol-d5	86	%				00-165-1693
2,4,6-Tribromophenol	81	%				00-165-1693
Nitrobenzene-d5	81	%				00-165-1693
2-Fluorobiphenyl	85	%				00-165-1693
Analysis Comment: Results Calculated on a dry weight basis.						

Results calculated on a dry weight basis.

QC  NY 10252 NJ 73168 PA 68180 EPA NY 00036 Page 6 of 6

Approved by: 

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/kg	0.543	13-FEB-01 00:00	EPA 335.3	01-034-1
Total Solids	83.3	%		06-FEB-01 00:00	CLP 3.0	01-001-32
Aluminum	6330	mg/kg	8.91	16-FEB-01 05:05	EPA 6010	01-039-02
Antimony	U	mg/kg	5.94	16-FEB-01 05:05	EPA 6010	01-039-02
Arsenic	2.7	mg/kg	1.10	14-FEB-01 00:00	EPA 7060	00-026-36
Barium	40.4	mg/kg	1.90	16-FEB-01 05:05	EPA 6010	01-039-02
Beryllium	0.31	mg/kg	0.238	16-FEB-01 05:05	EPA 6010	01-039-02
Cadmium	U	mg/kg	0.594	16-FEB-01 05:05	EPA 6010	01-039-02
Calcium	68900	mg/kg	1200	16-FEB-01 05:08	EPA 6010	01-039-02
Chromium	8.12	mg/kg	1.19	16-FEB-01 05:05	EPA 6010	01-039-02
Copper	18.4	mg/kg	2.02	16-FEB-01 05:05	EPA 6010	01-039-02
Iron	15500	mg/kg	4.75	16-FEB-01 05:05	EPA 6010	01-039-02
Lead	7.93	mg/kg	5.23	16-FEB-01 05:05	EPA 6010	01-039-02
Magnesium	12700	mg/kg	59.4	16-FEB-01 05:05	EPA 6010	01-039-02
Manganese	592	mg/kg	0.594	16-FEB-01 05:05	EPA 6010	01-039-02
Mercury	U	mg/kg	0.0620	13-FEB-01 00:00	EPA 7470	98-011-36
Nickel	18.4	mg/kg	1.43	16-FEB-01 05:05	EPA 6010	01-039-02
Potassium	821	mg/kg	59.4	16-FEB-01 05:05	EPA 6010	01-039-02
Selenium	U	mg/kg	0.570	16-FEB-01 00:00	EPA 7741	98-201-56
Silver	U	mg/kg	1.19	16-FEB-01 05:05	EPA 6010	01-039-02
Sodium	94.5	mg/kg	23.8	16-FEB-01 05:05	EPA 6010	01-039-02

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00022 Page 1 of 6

Approved by:


Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Thallium	U	mg/kg	7.73	16-FEB-01 05:05	EPA 6010	01-039-02
Vanadium	14.9	mg/kg	1.19	16-FEB-01 05:05	EPA 6010	01-039-02
Zinc	47.2	mg/kg	2.38	16-FEB-01 05:05	EPA 6010	01-039-02
EPA 8260						
Chloromethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Vinyl chloride	U	ug/kg	2	08-FEB-01 18:15	EPA 8260	01-027-4010
Chloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Bromomethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,1-Dichloroethene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Acetone	36	ug/kg	29	08-FEB-01 18:15	EPA 8260	01-027-4010
Carbon disulfide	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Methylene chloride	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
trans-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,1-Dichloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
cis-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
MEK(2-Butanone)	U	ug/kg	29	08-FEB-01 18:15	EPA 8260	01-027-4010
Chloroform	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,1,1-Trichloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Carbon tetrachloride	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Benzene	U	ug/kg	0.8	08-FEB-01 18:15	EPA 8260	01-027-4010
1,2-Dichloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Trichloroethene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,2-Dichloropropane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Bromodichloromethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
cis-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	08-FEB-01 18:15	EPA 8260	01-027-4010
Toluene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
trans-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,1,2-Trichloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Tetrachloroethene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
2-Hexanone	U	ug/kg	12	08-FEB-01 18:15	EPA 8260	01-027-4010
Dibromochloromethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Chlorobenzene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Ethylbenzene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
p-Xylene/m-Xylene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
o-Xylene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Styrene	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
Bromoform	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010
1,1,2,2-Tetrachloroethane	U	ug/kg	6	08-FEB-01 18:15	EPA 8260	01-027-4010

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 0000 Page 2 of 6

Approved by:

Lab Director

ND or U	= None Detected	<	= less than	ug/L	= micrograms per liter (equivalent to parts per billion)
mg/L	= milligrams per liter (equivalent to parts per million)			mg/kg	= milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	99	%				01-027-4010
Toluene-d8	101	%				01-027-4010
4-Bromofluorobenzene	109	%				01-027-4010
EPA 8081						
alpha-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
beta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Lindane (gamma-BHC)	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
delta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Heptachlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Aldrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Heptachlor epoxide	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
alpha-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endosulfan I	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
gamma-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
4,4'-DDE	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Dieldrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endosulfan II	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
DDD	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endrin ketone	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endrin aldehyde	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Endosulfan sulfate	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
4,4'-DDT	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Methoxychlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2683R
Toxaphene	U	mg/kg	0.06	13-FEB-01 00:00	EPA 8081	99-127-2683R
Extraction Information:				07-FEB-01 00:00		00-192-38
Surrogate Recovery:						
Decachlorobiphenyl	93	%				99-127-2683R
Tetrachloro-m-Xylene	84	%				99-127-2683R
EPA 8082						
PCB 1016	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1221	U	mg/kg	0.02	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1232	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1242	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1248	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1254	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R
PCB 1260	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2683R

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 3 of 6

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

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B = analyte was detected in the method or trip blank

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Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:
Tetrachloro-m-xylene
Decachlorobiphenyl

84 %
93 %

99-127-2683R
99-127-2683R

EPA 8151

2,4-D	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6639F
2,4,5-TP (Silvex)	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6639F
2,4,5-T	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6639F
Dinoseb	U R	ug/kg	0.04	17-FEB-01 00:00	EPA 8151	99-100-6639F
Dalapon	U	ug/kg	1.6	17-FEB-01 00:00	EPA 8151	99-100-6639F
2,4-DB	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6639F
MCPP	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6639F
MCPA	U	ug/kg	80	17-FEB-01 00:00	EPA 8151	99-100-6639F
Dichloroprop	U	ug/kg	0.8	17-FEB-01 00:00	EPA 8151	99-100-6639F
Dicamba	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6639F

Extraction Information:

13-FEB-01 00:00

EPA 3550

00-088-80

Surrogate Recovery:

DCAA 150 %

99-100-6639F

Analysis Comment: R-results suspect due to low check sample recovery.

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Phenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Chlorophenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
1,3-Dichlorobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
1,4-Dichlorobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
1,2-Dichlorobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Bis(2-chloroisopropylether)	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Methylphenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Hexachloroethane	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
N-Nitrosodi-N-propylamine	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
3-Methylphenol/4-Methylphenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Nitrobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Isophorone	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Nitrophenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4-Dimethylphenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Bis(2-chloroethoxymethane)	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4-Dichlorophenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 4 of 6

Approved by:

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
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mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,2,4-Trichlorobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Naphthalene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Chloroaniline	U	ug/kg	600	13-FEB-01 22:59	EPA 8270	00-165-1691
Hexachlorobutadiene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Chloro-3-methylphenol	U	ug/kg	600	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Methylnaphthalene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Hexachlorocyclopentadiene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4,6-Trichlorophenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4,5-Trichlorophenol	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Chloronaphthalene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Nitroaniline	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
Dimethyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Acenaphthylene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,6-Dinitrotoluene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
3-Nitroaniline	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
Acenaphthene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4-Dinitrophenol	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
Dibenzofuran	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
2,4-Dinitrotoluene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Nitrophenol	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Nitrophenyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Nitrophenyl phenylether	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Nitroaniline	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
N-Nitrosodiphenylamine	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
4-Bromophenylphenylether	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Hexachlorobenzene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Pentachlorophenol	U	ug/kg	1200	13-FEB-01 22:59	EPA 8270	00-165-1691
Phenanthrene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Anthracene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Carbazole	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Di-n-butyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Fluoranthene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Pyrene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Butylbenzyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Benzo(a)anthracene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
3,3-Dichlorobenzidine	U	ug/kg	600	13-FEB-01 22:59	EPA 8270	00-165-1691
Chrysene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Bis-2-ethylhexyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Di-n-octyl phthalate	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Benzo(b)fluoranthene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Benzo(k)fluoranthene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Benzo(a)pyrene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691

Results calculated on a dry weight basis.

QC R NY 10252 NJ 73168 PA 68180 EPA NY 000855 Page 5 of 6

Approved by:

John A. Kent
Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-NW
Description: GRAB
Sampled On: 01-FEB-01 15:45 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Dibenzo(a,h)anthracene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Benzo(g,h,i)perylene	U	ug/kg	300	13-FEB-01 22:59	EPA 8270	00-165-1691
Extraction Information:				06-FEB-01 00:00	EPA 3550	00-197-40
Surrogate Recovery:						
Terphenyl-d14	94	%				00-165-1691
2-Fluorophenol	78	%				00-165-1691
Phenol-d5	80	%				00-165-1691
2,4,6-Tribromophenol	79	%				00-165-1691
Nitrobenzene-d5	80	%				00-165-1691
2-Fluorobiphenyl	83	%				00-165-1691
Analysis Comment: Results Calculated on a dry weight basis.						

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00036 Page 6 of 6

Approved by: 

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
anide, Total	U	mg/kg	0.539	13-FEB-01 00:00	EPA 335.3	01-034-1
tal Solids	80.7	%		06-FEB-01 00:00	CLP 3.0	01-001-32
uminum	7930	mg/kg	8.77	16-FEB-01 05:11	EPA 6010	01-039-02
timony	U	mg/kg	5.85	16-FEB-01 05:11	EPA 6010	01-039-02
senic	4.8	mg/kg	1.50	15-FEB-01 00:00	EPA 7060	00-026-37
rium	52.5	mg/kg	1.87	16-FEB-01 05:11	EPA 6010	01-039-02
ryllium	0.409	mg/kg	0.234	16-FEB-01 05:11	EPA 6010	01-039-02
dmium	U	mg/kg	0.585	16-FEB-01 05:11	EPA 6010	01-039-02
lcium	70900	mg/kg	290	16-FEB-01 05:14	EPA 6010	01-039-02
romium	10.4	mg/kg	1.17	16-FEB-01 05:11	EPA 6010	01-039-02
t	8.44	mg/kg	1.17	16-FEB-01 05:11	EPA 6010	01-039-02
pper	27.3	mg/kg	1.99	16-FEB-01 05:11	EPA 6010	01-039-02
on	20900	mg/kg	4.68	16-FEB-01 05:11	EPA 6010	01-039-02
ad	13.8	mg/kg	5.14	16-FEB-01 05:11	EPA 6010	01-039-02
gnesium	14300	mg/kg	58.5	16-FEB-01 05:11	EPA 6010	01-039-02
nganese	508	mg/kg	0.585	16-FEB-01 05:11	EPA 6010	01-039-02
rcury	U	mg/kg	0.0570	13-FEB-01 00:00	EPA 7470	98-011-36
ckel	21.5	mg/kg	1.40	16-FEB-01 05:11	EPA 6010	01-039-02
tassium	1080	mg/kg	58.5	16-FEB-01 05:11	EPA 6010	01-039-02
lenium	U W	mg/kg	0.620	16-FEB-01 00:00	EPA 7741	98-201-56

Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.

Results calculated on a dry weight basis.

2


Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
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< = less than

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Silver	U	mg/kg	1.17	16-FEB-01 05:11	EPA 6010	01-039-02
Sodium	111	mg/kg	23.4	16-FEB-01 05:11	EPA 6010	01-039-02
Thallium	U	mg/kg	7.60	16-FEB-01 05:11	EPA 6010	01-039-02
Vanadium	19.3	mg/kg	1.17	16-FEB-01 05:11	EPA 6010	01-039-02
Zinc	61.8	mg/kg	2.34	16-FEB-01 05:11	EPA 6010	01-039-02
EPA 8260						
Chloromethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Vinyl chloride	U	ug/kg	2	08-FEB-01 18:48	EPA 8260	01-027-4011
Chloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Bromomethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
1,1-Dichloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Acetone	35	ug/kg	30	08-FEB-01 18:48	EPA 8260	01-027-4011
Carbon disulfide	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
ylene chloride	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
s-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
t-1,2-Dichloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
cis-1,2-Dichloroethene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
MEK(2-Butanone)	U	ug/kg	30	08-FEB-01 18:48	EPA 8260	01-027-4011
Chloroform	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
1,1,1-Trichloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Carbon tetrachloride	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Benzene	U	ug/kg	0.8	08-FEB-01 18:48	EPA 8260	01-027-4011
1,2-Dichloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Trichloroethene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
1,2-Dichloropropane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Bromodichloromethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
cis-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	08-FEB-01 18:48	EPA 8260	01-027-4011
Toluene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
trans-1,3-Dichloropropene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
1,1,2-Trichloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Tetrachloroethene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
2-Hexanone	U	ug/kg	12	08-FEB-01 18:48	EPA 8260	01-027-4011
Dibromochloromethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Chlorobenzene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Ethylbenzene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
p-Xylene/m-Xylene	10	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
o-Xylene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 0000 Page 2 of 6

Approved by:

Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Styrene	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Bromoform	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
1,1,2,2-Tetrachloroethane	U	ug/kg	6	08-FEB-01 18:48	EPA 8260	01-027-4011
Surrogate Recovery:						
Dibromofluoromethane	98	%				01-027-4011
Toluene-d8	99	%				01-027-4011
4-Bromofluorobenzene	108	%				01-027-4011
EPA 8081						
alpha-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
beta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Lindane (gamma-BHC)	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
delta-BHC	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Heptachlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Aldrin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Heptachlor epoxide	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
alpha-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Endosulfan I	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
gamma-Chlordane	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
-DDE	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
irin	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
in	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Endosulfan II	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
4,4'-DDD	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Endrin ketone	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Endrin aldehyde	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Endosulfan sulfate	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
4,4'-DDT	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Methoxychlor	U	mg/kg	0.006	13-FEB-01 00:00	EPA 8081	99-127-2684R
Toxaphene	U	mg/kg	0.06	13-FEB-01 00:00	EPA 8081	99-127-2684R

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:

Decachlorobiphenyl	91	%	99-127-2684R
Tetrachloro-m-Xylene	81	%	99-127-2684R

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033
Page 3 of 6

Approved by: 
Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1221	U	mg/kg	0.02	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1232	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1242	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1248	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1254	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R
PCB 1260	U	mg/kg	0.01	13-FEB-01 00:00	EPA 8082	99-127-2684R

Extraction Information:

07-FEB-01 00:00

00-192-38

Surrogate Recovery:
Tetrachloro-m-xylene
Decachlorobiphenyl

81 %
91 %

99-127-2684R
99-127-2684R

EPA 8151

2,4-D	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6640F
2,4,5-TP (Silvex)	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6640F
5-T	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6640F
seeb	U R	ug/kg	0.04	17-FEB-01 00:00	EPA 8151	99-100-6640F
lucapon	U	ug/kg	1.7	17-FEB-01 00:00	EPA 8151	99-100-6640F
2,4-DB	U	ug/kg	0.83	17-FEB-01 00:00	EPA 8151	99-100-6640F
MCP	U	ug/kg	83	17-FEB-01 00:00	EPA 8151	99-100-6640F
MCPA	U	ug/kg	83	17-FEB-01 00:00	EPA 8151	99-100-6640F
Dichloroprop	U	ug/kg	0.83	17-FEB-01 00:00	EPA 8151	99-100-6640F
Dicamba	U	ug/kg	0.08	17-FEB-01 00:00	EPA 8151	99-100-6640F

Extraction Information:

13-FEB-01 00:00 EPA 3550

00-088-80

Surrogate Recovery:

DCAA 150 %

99-100-6640F

Analysis Comment: R-results suspect due to low check sample recovery.

Results calculated on a dry weight basis.

QC R NY 10252 NJ 76168 PA 68180 EPA NY 00033

Page 4 of 6

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Phenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Chlorophenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
1,3-Dichlorobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
1,4-Dichlorobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
1,2-Dichlorobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Bis(2-chloroisopropylether)	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Methylphenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Hexachloroethane	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
N-Nitrosodi-N-propylamine	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
3-Methylphenol/4-Methylphenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Nitrobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Isophorone	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Nitrophenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4-Dimethylphenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Bis(2-chloroethoxymethane)	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4-Dichlorophenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
1,2,4-Trichlorobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Phthalene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Chloroaniline	U	ug/kg	620	13-FEB-01 23:53	EPA 8270	00-165-1692
Hexachlorobutadiene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
4-Chloro-3-methylphenol	U	ug/kg	620	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Methylnaphthalene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Hexachlorocyclopentadiene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4,6-Trichlorophenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4,5-Trichlorophenol	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Chloronaphthalene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Nitroaniline	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
Dimethyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Acenaphthylene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,6-Dinitrotoluene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
3-Nitroaniline	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
Acenaphthene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4-Dinitrophenol	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
Dibenzofuran	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
2,4-Dinitrotoluene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
4-Nitrophenol	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
Diethyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Fluorene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
4-Chlorophenylphenylether	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
4-Nitroaniline	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
N-Nitrosodiphenylamine	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692

Results calculated on a dry weight basis.

2

QC NJ 10252 NJ 73168 PA 68180 EPA NY 00088 Page 5 of 6

Approved by:

John A. Kent
Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date: 27-FEB-2001

Lab Sample ID: L63619-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK 0500035842.00
Origin: J-UST-BW
Description: GRAB
Sampled On: 01-FEB-01 15:55 by CLIENT
Date Received: 02-FEB-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Bromophenylphenylether	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Hexachlorobenzene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Pentachlorophenol	U	ug/kg	1200	13-FEB-01 23:53	EPA 8270	00-165-1692
Phenanthrene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Anthracene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Carbazole	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Di-n-butyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Fluoranthene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Pyrene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Butylbenzyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Benzo(a)anthracene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
3,3-Dichlorobenzidine	U	ug/kg	620	13-FEB-01 23:53	EPA 8270	00-165-1692
Chrysene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Bis-2-ethylhexyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Di-n-octyl phthalate	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Benzo(b)fluoranthene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Benzo(k)fluoranthene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Benzo(a)pyrene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Indeno(1,2,3-cd)pyrene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Dibenzo(a,h)anthracene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692
Benzo(g,h,i)perylene	U	ug/kg	310	13-FEB-01 23:53	EPA 8270	00-165-1692

Extraction Information:

06-FEB-01 00:00 EPA 3550 00-197-40

Surrogate Recovery:

Terphenyl-d14	88	%	00-165-1692
2-Fluorophenol	79	%	00-165-1692
Phenol-d5	79	%	00-165-1692
2,4,6-Tribromophenol	72	%	00-165-1692
Nitrobenzene-d5	75	%	00-165-1692
2-Fluorobiphenyl	76	%	00-165-1692

Analysis Comment: Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00039 Page 6 of 6

Approved by:

Lab Director

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CHAIN OF CUSTODY RECORD

PROJECT NO. 0500035842.00
 SITE NAME ENVIROTEK
 153 FILLMORE

SAMPLERS (PRINT/SIGNATURE)
 DAVID D. COFIELD JR

DELIVERY SERVICE: FED EX 81744 7241-2882
 AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
J-UST	2/1/01	1515	G	J-UST-WW	SO
		1525	G	J-UST-SW	SO
		1535	G	J-UST-EW	SO
		1545	G	J-UST-NW	SO
		1555	G	J-UST-BW	SO

TOTAL NO. # OF CONTAINERS

8 OZ GLASS 4°C
 8 OZ GLASS 4°C
 4 OZ GLASS 4°C

BOTTLE TYPE AND PRESERVATIVE

REMARKS

L63619
 -1-9
 -3-4
 -5-6
 -7-8
 -9-10

TESTS

ICLP SVCS
 PEST/HERB
 TCLP
 METALS
 TCL VOCs

URS

LAB FLI
 COOLER 1 of 2
 PAGE 1 of 1

SAMPLE TYPE
 BEGINNING DEPTH (IN FEET)
 ENDING DEPTH (IN FEET)
 FIELD LOT NO. # (RPMs ONLY)

MATRIX CODES
 AA - AMBIENT AIR
 SE - SEDIMENT
 SH - HAZARDOUS SOLID WASTE
 TB# - TRIP BLANK
 SD# - MATRIX SPIKE DUPLICATE

SAMPLE TYPE CODES
 WL - LEACHATE
 GS - SOIL GAS
 WC - DRILLING WATER
 N# - NORMAL ENVIRONMENTAL SAMPLE
 MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) DATE TIME RECEIVED BY (SIGNATURE) DATE TIME SPECIAL INSTRUCTIONS
 STANDARD T.A.T.

RELINQUISHED BY (SIGNATURE) DATE TIME RECEIVED FOR LAB BY (SIGNATURE) DATE TIME
 David D. Cofield Jr 2/1/01 1900 Toru Jones 2/2/01 11:20

Distribution: Original accompanies shipment, copy to coordinator field files



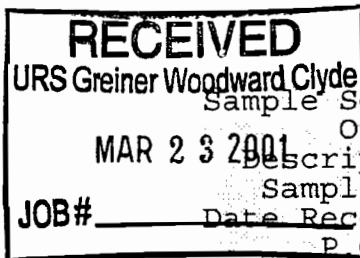
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

UST-1 AND -2
EXCAVATION

Date: 16-MAR-2001

Lab Sample ID: L65041-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202



Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F-BOTTOM
Description: GRAB
Sampled On: 26-FEB-01 08:10 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81.9	%		06-MAR-01 00:00	CLP 3.0	01-001-51
Arsenic	U	mg/kg	14.0	12-MAR-01 04:39	EPA 6010	01-039-08
Barium	20.1	mg/kg	1.86	12-MAR-01 04:39	EPA 6010	01-039-08
Cadmium	U	mg/kg	0.581	12-MAR-01 04:39	EPA 6010	01-039-08
Chromium	5.76	mg/kg	1.16	12-MAR-01 04:39	EPA 6010	01-039-08
Lead	12.2	mg/kg	5.12	12-MAR-01 04:39	EPA 6010	01-039-08
Mercury	U	mg/kg	0.0510	13-MAR-01 00:00	EPA 7470	98-011-40
Selenium	U	mg/kg	8.14	12-MAR-01 04:39	EPA 6010	01-039-08
Silver	U	mg/kg	1.16	12-MAR-01 04:39	EPA 6010	01-039-08
EPA 8260/1						
Bromomethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Vinyl chloride	U	ug/kg	9	09-MAR-01 14:26	EPA 8260	01-027-4316
Chloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Bromomethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
1,1-Dichloroethene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Acetone	130	ug/kg	120	09-MAR-01 14:26	EPA 8260	01-027-4316
Carbon disulfide	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Methylene chloride	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
trans-1,2-Dichloroethene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
1,1-Dichloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
cis-1,2-Dichloroethene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
MEK(2-Butanone)	U	ug/kg	120	09-MAR-01 14:26	EPA 8260	01-027-4316
Chloroform	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
1,1,1-Trichloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Carbon tetrachloride	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Benzene	U	ug/kg	3	09-MAR-01 14:26	EPA 8260	01-027-4316
1,2-Dichloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Trichloroethene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
1,2-Dichloropropane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Bromodichloromethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
cis-1,3-Dichloropropene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
MIBK(4-Methyl-2-pentanone)	U	ug/kg	47	09-MAR-01 14:26	EPA 8260	01-027-4316
Toluene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
trans-1,3-Dichloropropene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
Results calculated on a dry weight basis.						

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Page 1 of 4

Approved by:

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."

Date: 16-MAR-2001

Lab Sample ID: L65041-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F-BOTTOM
Description: GRAB
Sampled On: 26-FEB-01 08:10 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
tetrachloroethene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
-Hexanone	U	ug/kg	47	09-MAR-01 14:26	EPA 8260	01-027-4316
ibromochloromethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
hlorobenzene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
thylbenzene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
-Xylene/m-Xylene	200	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
-Xylene	85	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
tyrene	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
romoform	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
,1,1,2,2-Tetrachloroethane	U	ug/kg	24	09-MAR-01 14:26	EPA 8260	01-027-4316
urrogate Recovery:						
ibromofluoromethane	99	%				01-027-4316
luene-d8	103	%				01-027-4316
-Bromofluorobenzene	124	%				01-027-4316

PA 8270

is(2-chloroethylether)	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
henol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
lorophenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Dichlorobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,4-Dichlorobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,2-Dichlorobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
is(2-chloroisopropylether)	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Methylphenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
exachloroethane	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Nitrosodi-N-propylamine	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Methylphenol/4-Methylphenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
itrobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
sophorone	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Nitrophenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,4-Dimethylphenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
is(2-chloroethoxymethane)	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,4-Dichlorophenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,2,4-Trichlorobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
aphthalene	310	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Chloroaniline	U	ug/kg	610	12-MAR-01 19:27	EPA 8270	01-005-1557
exachlorobutadiene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Chloro-3-methylphenol	U	ug/kg	610	12-MAR-01 19:27	EPA 8270	01-005-1557
-Methylnaphthalene	89 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
exachlorocyclopentadiene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,4,6-Trichlorophenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
,4,5-Trichlorophenol	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
-Chloronaphthalene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00062 Page 2 of 4

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F-BOTTOM
Description: GRAB
Sampled On: 26-FEB-01 08:10 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Nitroaniline	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
Dimethyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Acenaphthylene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
2,6-Dinitrotoluene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
3-Nitroaniline	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
Acenaphthene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
2,4-Dinitrophenol	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
Dibenzofuran	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
2,4-Dinitrotoluene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
4-Nitrophenol	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
Diethyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Fluorene	89 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
4-Chlorophenylphenylether	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
4-Nitroaniline	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
N-Nitrosodiphenylamine	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
4-Bromophenylphenylether	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Hexachlorobenzene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Pentachlorophenol	U	ug/kg	1200	12-MAR-01 19:27	EPA 8270	01-005-1557
Phenanthrene	370	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Acene	120 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
azole	150 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Di-n-butyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Fluoranthene	250 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Pyrene	180 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Butylbenzyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Benzo(a)anthracene	68 J	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
3,3-Dichlorobenzidine	U	ug/kg	610	12-MAR-01 19:27	EPA 8270	01-005-1557
Chrysene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Bis-2-ethylhexyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Di-n-octyl phthalate	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Benzo(b)fluoranthene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Benzo(k)fluoranthene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Benzo(a)pyrene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Dibenzo(a,h)anthracene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557
Benzo(g,h,i)perylene	U	ug/kg	300	12-MAR-01 19:27	EPA 8270	01-005-1557

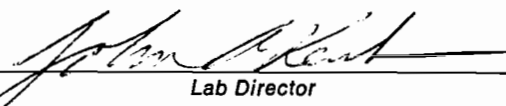
Extraction Information:

07-MAR-01 00:00 EPA 3550 00-197-60

Results calculated on a dry weight basis.

QC  NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 3 of 4

Approved by: 

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F-BOTTOM
Description: GRAB
Sampled On: 26-FEB-01 08:10 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Terphenyl-d14	80	%				01-005-1557
2-Fluorophenol	61	%				01-005-1557
Phenol-d5	65	%				01-005-1557
2,4,6-Tribromophenol	78	%				01-005-1557
Nitrobenzene-d5	69	%				01-005-1557
2-Fluorobiphenyl	77	%				01-005-1557
Analysis Comment: Results Calculated on a dry weight basis.						

Results calculated on a dry weight basis.

QC R NY 10252 NJ 73168 PA 68180 EPA NY 00033 Page 4 of 4
Approved by: [Signature] Lab Director

ND or U = None Detected	< = less than	ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)		mg/kg = milligrams per kilogram (equivalent to parts per million)
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Date: 16-MAR-2001

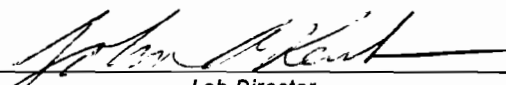
Lab Sample ID: L65041-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NW-WALL
Description: GRAB
Sampled On: 26-FEB-01 08:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	83.3	%		06-MAR-01 00:00	CLP 3.0	01-001-51
Arsenic	U	mg/kg	13.3	12-MAR-01 04:48	EPA 6010	01-039-08
Barium	74.7	mg/kg	1.78	12-MAR-01 04:48	EPA 6010	01-039-08
Cadmium	U	mg/kg	0.556	12-MAR-01 04:48	EPA 6010	01-039-08
Chromium	11.9	mg/kg	1.11	12-MAR-01 04:48	EPA 6010	01-039-08
Lead	5.94	mg/kg	4.89	12-MAR-01 04:48	EPA 6010	01-039-08
Mercury	U	mg/kg	0.0600	13-MAR-01 00:00	EPA 7470	98-011-40
Selenium	U	mg/kg	7.78	12-MAR-01 04:48	EPA 6010	01-039-08
Silver	U	mg/kg	1.11	12-MAR-01 04:48	EPA 6010	01-039-08
EPA 8260						
Bromomethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Vinyl chloride	U	ug/kg	12	09-MAR-01 14:59	EPA 8260	01-027-4317
Chloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Bromomethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
1,1-Dichloroethene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Acetone	U	ug/kg	150	09-MAR-01 14:59	EPA 8260	01-027-4317
Carbon disulfide	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Methylene chloride	31	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
trans-1,2-Dichloroethene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
1,1-Dichloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
cis-1,2-Dichloroethene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
MEK(2-Butanone)	U	ug/kg	150	09-MAR-01 14:59	EPA 8260	01-027-4317
Chloroform	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
1,1,1-Trichloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Carbon tetrachloride	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Benzene	U	ug/kg	4	09-MAR-01 14:59	EPA 8260	01-027-4317
1,2-Dichloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Trichloroethene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
1,2-Dichloropropane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Bromodichloromethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
cis-1,3-Dichloropropene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
MIBK(4-Methyl-2-pentanone)	U	ug/kg	58	09-MAR-01 14:59	EPA 8260	01-027-4317
Toluene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
trans-1,3-Dichloropropene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033 Page 1 of 4 Approved by:  Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NW-WALL
Description: GRAB
Sampled On: 26-FEB-01 08:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Tetrachloroethene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
2-Hexanone	U	ug/kg	58	09-MAR-01 14:59	EPA 8260	01-027-4317
Dibromochloromethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Chlorobenzene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Ethylbenzene	830	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
p-Xylene/m-Xylene	890	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
o-Xylene	190	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Styrene	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Bromoform	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
1,1,2,2-Tetrachloroethane	U	ug/kg	29	09-MAR-01 14:59	EPA 8260	01-027-4317
Surrogate Recovery:						
Dibromofluoromethane	103	%				01-027-4317
Toluene-d8	127 *	%				01-027-4317
4-Bromofluorobenzene	653 *	%				01-027-4317

Analysis Comment: *Surrogate recovery above acceptance limits due to suspected matrix interference. Internal standard 4 recovery below limits. Confirmed by file C4304.

EPA 8270

1,2-Dichloroethylether)	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Phenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Chlorophenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
1,3-Dichlorobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
1,4-Dichlorobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
1,2-Dichlorobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Bis(2-chloroisopropylether)	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Methylphenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Hexachloroethane	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
N-Nitrosodi-N-propylamine	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
3-Methylphenol/4-Methylphenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Nitrobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Isophorone	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Nitrophenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4-Dimethylphenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Bis(2-chloroethoxymethane)	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4-Dichlorophenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
1,2,4-Trichlorobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Naphthalene	1400 J	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-Chloroaniline	U	ug/kg	3000	14-MAR-01 17:03	EPA 8270	00-165-1945
Hexachlorobutadiene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-Chloro-3-methylphenol	U	ug/kg	3000	14-MAR-01 17:03	EPA 8270	00-165-1945

Results calculated on a dry weight basis.

Page 2 of 4

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by:

Lab Director

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Date: 16-MAR-2001

Lab Sample ID: L65041-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NW-WALL
Description: GRAB
Sampled On: 26-FEB-01 08:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methylnaphthalene	630 J	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Hexachlorocyclopentadiene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4,6-Trichlorophenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4,5-Trichlorophenol	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Chloronaphthalene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Nitroaniline	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
Dimethyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Acenaphthylene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,6-Dinitrotoluene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
3-Nitroaniline	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
Acenaphthene	1400 J	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4-Dinitrophenol	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
Dibenzofuran	1600	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
2,4-Dinitrotoluene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-Nitrophenol	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
Diethyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Fluorene	2100	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-Chlorophenylphenylether	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-Nitroaniline	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
2-Methyl-4,6-dinitrophenol	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
4-trosodiphenylamine	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
4-mophenylphenylether	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Hexachlorobenzene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Pentachlorophenol	U	ug/kg	6000	14-MAR-01 17:03	EPA 8270	00-165-1945
Phenanthrene	10000	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Anthracene	3600	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Carbazole	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Di-n-butyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Fluoranthene	7000	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Pyrene	5600	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Butylbenzyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Benzo(a)anthracene	2700	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
3,3-Dichlorobenzidine	U	ug/kg	3000	14-MAR-01 17:03	EPA 8270	00-165-1945
Chrysene	1900	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Bis-2-ethylhexyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Di-n-octyl phthalate	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Benzo(b)fluoranthene	2200	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Benzo(k)fluoranthene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Benzo(a)pyrene	1900	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Indeno(1,2,3-cd)pyrene	1100 J	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Dibenzo(a,h)anthracene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945
Benzo(g,h,i)perylene	U	ug/kg	1500	14-MAR-01 17:03	EPA 8270	00-165-1945

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 0088 Page 3 of 4

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

Date: 16-MAR-2001

Lab Sample ID: L65041-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NE-WALL
Description: GRAB
Sampled On: 27-FEB-01 13:50 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81.4	%		06-MAR-01 00:00	CLP 3.0	01-001-51
Arsenic	U	mg/kg	14.7	12-MAR-01 04:54	EPA 6010	01-039-08
Barium	59.9	mg/kg	1.97	12-MAR-01 04:54	EPA 6010	01-039-08
Cadmium	U	mg/kg	0.614	12-MAR-01 04:54	EPA 6010	01-039-08
Chromium	7.83	mg/kg	1.23	12-MAR-01 04:54	EPA 6010	01-039-08
Lead	50.9	mg/kg	5.41	12-MAR-01 04:54	EPA 6010	01-039-08
Mercury	U	mg/kg	0.0480	13-MAR-01 00:00	EPA 7470	98-011-40
Selenium	U	mg/kg	8.60	12-MAR-01 04:54	EPA 6010	01-039-08
Silver	U	mg/kg	1.23	12-MAR-01 04:54	EPA 6010	01-039-08
EPA 8260						
Bromomethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Vinyl chloride	U	ug/kg	2	09-MAR-01 13:22	EPA 8260	01-027-4314
Chloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Bromomethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
1,1-Dichloroethene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Acetone	47	ug/kg	28	09-MAR-01 13:22	EPA 8260	01-027-4314
Carbon disulfide	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Methylene chloride	9	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
trans-1,2-Dichloroethene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
1,1-Dichloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
cis-1,2-Dichloroethene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
MEK(2-Butanone)	U	ug/kg	28	09-MAR-01 13:22	EPA 8260	01-027-4314
Chloroform	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
1,1,1-Trichloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Carbon tetrachloride	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Benzene	U	ug/kg	0.8	09-MAR-01 13:22	EPA 8260	01-027-4314
1,2-Dichloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Trichloroethene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
1,2-Dichloropropane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Bromodichloromethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
cis-1,3-Dichloropropene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	09-MAR-01 13:22	EPA 8260	01-027-4314
Toluene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
trans-1,3-Dichloropropene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00933 Page 1 of 4

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

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Date: 16-MAR-2001

Lab Sample ID: L65041-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NE-WALL
Description: GRAB
Sampled On: 27-FEB-01 13:50 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Tetrachloroethene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
2-Hexanone	U	ug/kg	11	09-MAR-01 13:22	EPA 8260	01-027-4314
Dibromochloromethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Chlorobenzene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Ethylbenzene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
p-Xylene/m-Xylene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
o-Xylene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Styrene	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Bromoform	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
1,1,2,2-Tetrachloroethane	U	ug/kg	6	09-MAR-01 13:22	EPA 8260	01-027-4314
Surrogate Recovery:						
Dibromofluoromethane	104	%				01-027-4314
Toluene-d8	111	%				01-027-4314
4-Bromofluorobenzene	144 *	%				01-027-4314

Analysis Comment: *Surrogate recovery above acceptance limits due to matrix interference. Confirmed by file C4305.

EPA 8270

2-chloroethylether)	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2-chlorophenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1,3-Dichlorobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1,4-Dichlorobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1,2-Dichlorobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Bis(2-chloroisopropylether)	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Methylphenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Hexachloroethane	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
N-Nitrosodi-N-propylamine	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
3-Methylphenol/4-Methylphenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Nitrobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Isophorone	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Nitrophenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,4-Dimethylphenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Bis(2-chloroethoxymethane)	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,4-Dichlorophenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1,2,4-Trichlorobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Naphthalene	1700	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Chloroaniline	U	ug/kg	610	12-MAR-01 22:15	EPA 8270	01-005-1560
Hexachlorobutadiene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Chloro-3-methylphenol	U	ug/kg	610	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Methylnaphthalene	1200	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Hexachlorocyclopentadiene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560

Results calculated on a dry weight basis.

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

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J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs... Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NE-WALL
Description: GRAB
Sampled On: 27-FEB-01 13:50 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,4,5-Trichlorophenol	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Chloronaphthalene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Nitroaniline	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
Dimethyl phthalate	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Acenaphthylene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,6-Dinitrotoluene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
3-Nitroaniline	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
Acenaphthene	450	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,4-Dinitrophenol	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
Dibenzofuran	240 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
2,4-Dinitrotoluene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Nitrophenol	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
Diethyl phthalate	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Fluorene	330	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Chlorophenylphenylether	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Nitroaniline	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
N-Nitrosodiphenylamine	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
4-Bromophenylphenylether	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1-Chlorobenzene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
1-Chlorophenol	U	ug/kg	1200	12-MAR-01 22:15	EPA 8270	01-005-1560
Phenanthrene	830	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Anthracene	230 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Carbazole	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Di-n-butyl phthalate	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Fluoranthene	540	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Pyrene	450	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Butylbenzyl phthalate	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Benzo(a)anthracene	220 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
3,3-Dichlorobenzidine	U	ug/kg	610	12-MAR-01 22:15	EPA 8270	01-005-1560
Chrysene	210 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Bis-2-ethylhexyl phthalate	410	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Di-n-octyl phthalate	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Benzo(b)fluoranthene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Benzo(k)fluoranthene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Benzo(a)pyrene	180 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Indeno(1,2,3-cd)pyrene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Dibenzo(a,h)anthracene	U	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560
Benzo(g,h,i)perylene	90 J	ug/kg	310	12-MAR-01 22:15	EPA 8270	01-005-1560

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00023 Page 3 of 4

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- NE-WALL
Description: GRAB
Sampled On: 27-FEB-01 13:50 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				07-MAR-01 00:00	EPA 3550	00-197-60
Surrogate Recovery:						
Terphenyl-d14	83	%				01-005-1560
2-Fluorophenol	67	%				01-005-1560
Phenol-d5	72	%				01-005-1560
2,4,6-Tribromophenol	83	%				01-005-1560
Nitrobenzene-d5	90	%				01-005-1560
2-Fluorobiphenyl	65	%				01-005-1560

Analysis Comment: Results Calculated on a dry weight basis. Internal standard 6 recovery below limits. Confirmed by file B1911.

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180

Page 4 of 4
EPA NY 00033

Approved by:

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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Date: 16-MAR-2001

Lab Sample ID: L65041-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- E-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:05 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	76.4	%		06-MAR-01 00:00	CLP 3.0	01-001-51
Arsenic	U	mg/kg	13.9	12-MAR-01 05:03	EPA 6010	01-039-08
Barium	155	mg/kg	1.85	12-MAR-01 05:03	EPA 6010	01-039-08
Cadmium	U	mg/kg	0.579	12-MAR-01 05:03	EPA 6010	01-039-08
Chromium	19.9	mg/kg	1.16	12-MAR-01 05:03	EPA 6010	01-039-08
Lead	17.4	mg/kg	5.10	12-MAR-01 05:03	EPA 6010	01-039-08
Mercury	0.07	mg/kg	0.0690	13-MAR-01 00:00	EPA 7470	98-011-40
Selenium	U	mg/kg	8.11	12-MAR-01 05:03	EPA 6010	01-039-08
Silver	U	mg/kg	1.16	12-MAR-01 05:03	EPA 6010	01-039-08
EPA 8260 Volatiles						
Acetone	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Vinyl chloride	U	ug/kg	3	09-MAR-01 13:54	EPA 8260	01-027-4315
Chloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Bromomethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
1,1-Dichloroethene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Acetone	180	ug/kg	32	09-MAR-01 13:54	EPA 8260	01-027-4315
Carbon disulfide	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Methylene chloride	11	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
trans-1,2-Dichloroethene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
1,1-Dichloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
cis-1,2-Dichloroethene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
MEK(2-Butanone)	U	ug/kg	32	09-MAR-01 13:54	EPA 8260	01-027-4315
Chloroform	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
1,1,1-Trichloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Carbon tetrachloride	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Benzene	1	ug/kg	0.9	09-MAR-01 13:54	EPA 8260	01-027-4315
1,2-Dichloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Trichloroethene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
1,2-Dichloropropane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Bromodichloromethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
cis-1,3-Dichloropropene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
MIBK(4-Methyl-2-pentanone)	U	ug/kg	13	09-MAR-01 13:54	EPA 8260	01-027-4315
Toluene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
trans-1,3-Dichloropropene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00623 Page 1 of 4

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

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Date: 16-MAR-2001

Lab Sample ID: L65041-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- E-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:05 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

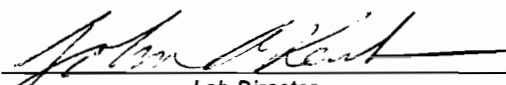
Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Tetrachloroethene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
2-Hexanone	U	ug/kg	13	09-MAR-01 13:54	EPA 8260	01-027-4315
Dibromochloromethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Chlorobenzene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Ethylbenzene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
p-Xylene/m-Xylene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
o-Xylene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Styrene	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Bromoform	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
1,1,2,2-Tetrachloroethane	U	ug/kg	6	09-MAR-01 13:54	EPA 8260	01-027-4315
Surrogate Recovery:						
Dibromofluoromethane	104	%				01-027-4315
Toluene-d8	115	%				01-027-4315
4-Bromofluorobenzene	158 *	%				01-027-4315

Analysis Comment: *Surrogate recovery above acceptance limits due to matrix interference. Confirmed by file C4306.

EPA 8270

2-chloroethylether)	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
ol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2-chlorophenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1,3-Dichlorobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1,4-Dichlorobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1,2-Dichlorobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Bis(2-chloroisopropylether)	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Methylphenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Hexachloroethane	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
N-Nitrosodi-N-propylamine	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
3-Methylphenol/4-Methylphenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Nitrobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Isophorone	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Nitrophenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,4-Dimethylphenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Bis(2-chloroethoxymethane)	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,4-Dichlorophenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1,2,4-Trichlorobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Naphthalene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Chloroaniline	U	ug/kg	650	09-MAR-01 18:49	EPA 8270	00-165-1909
Hexachlorobutadiene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Chloro-3-methylphenol	U	ug/kg	650	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Methylnaphthalene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Hexachlorocyclopentadiene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00033 Page 2 of 4
Approved by:  Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- E-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:05 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4,6-Trichlorophenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,4,5-Trichlorophenol	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Chloronaphthalene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Nitroaniline	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
Dimethyl phthalate	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Acenaphthylene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,6-Dinitrotoluene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
3-Nitroaniline	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
Acenaphthene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,4-Dinitrophenol	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
Dibenzofuran	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
2,4-Dinitrotoluene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Nitrophenol	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
Diethyl phthalate	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Fluorene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Chlorophenylphenylether	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Nitroaniline	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
2-Methyl-4,6-dinitrophenol	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
N-Nitrosodiphenylamine	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
4-Bromophenylphenylether	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1-Chlorobenzene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
1-Chlorophenol	U	ug/kg	1300	09-MAR-01 18:49	EPA 8270	00-165-1909
Fluoranthrene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Anthracene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Carbazole	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Di-n-butyl phthalate	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Fluoranthene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Pyrene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Butylbenzyl phthalate	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Benzo(a)anthracene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
3,3-Dichlorobenzidine	U	ug/kg	650	09-MAR-01 18:49	EPA 8270	00-165-1909
Chrysene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Bis-2-ethylhexyl phthalate	580	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Di-n-octyl phthalate	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Benzo(b)fluoranthene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Benzo(k)fluoranthene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Benzo(a)pyrene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Indeno(1,2,3-cd)pyrene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Dibenzo(a,h)anthracene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909
Benzo(g,h,i)perylene	U	ug/kg	330	09-MAR-01 18:49	EPA 8270	00-165-1909

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 000239 3 of 4

Approved by:

Lab Director

ND or U = None Detected

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/L = milligrams per liter (equivalent to parts per million)

mg/kg = milligrams per kilogram (equivalent to parts per million)

B = analyte was detected in the method or trip blank

J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- E-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:05 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				07-MAR-01 00:00	EPA 3550	00-197-60
Surrogate Recovery:						
Terphenyl-d14	87	%				00-165-1909
2-Fluorophenol	92	%				00-165-1909
Phenol-d5	80	%				00-165-1909
2,4,6-Tribromophenol	83	%				00-165-1909
Nitrobenzene-d5	81	%				00-165-1909
2-Fluorobiphenyl	82	%				00-165-1909
Analysis Comment: Results Calculated on a dry weight basis.						

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00000 Page 4 of 4 Approved by: 
Lab Director

ND or U = None Detected	< = less than	ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million)		mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank		J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- SE-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	68.8	%		06-MAR-01 00:00	CLP 3.0	01-001-51
Arsenic	U	mg/kg	17.1	12-MAR-01 05:06	EPA 6010	01-039-08
Barium	71.8 ✓	mg/kg	2.28	12-MAR-01 05:06	EPA 6010	01-039-08
Cadmium	U	mg/kg	0.713	12-MAR-01 05:06	EPA 6010	01-039-08
Chromium	16.9 ✓	mg/kg	1.43	12-MAR-01 05:06	EPA 6010	01-039-08
Lead	29.6 ✓	mg/kg	6.27	12-MAR-01 05:06	EPA 6010	01-039-08
Mercury	0.1 ✓	mg/kg	0.0750	13-MAR-01 00:00	EPA 7470	98-011-40
Selenium	U	mg/kg	9.97	12-MAR-01 05:06	EPA 6010	01-039-08
Silver	U	mg/kg	1.43	12-MAR-01 05:06	EPA 6010	01-039-08
EPA 8260						
Bromomethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Vinyl chloride	U	ug/kg	350	12-MAR-01 15:49	EPA 8260	01-027-4331
Chloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Bromomethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
1,1-Dichloroethene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Acetone	U	ug/kg	4300	12-MAR-01 15:49	EPA 8260	01-027-4331
Carbon disulfide	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Methylene chloride	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
trans-1,2-Dichloroethene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
1,1-Dichloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
cis-1,2-Dichloroethene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
MEK(2-Butanone)	U	ug/kg	4300	12-MAR-01 15:49	EPA 8260	01-027-4331
Chloroform	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
1,1,1-Trichloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Carbon tetrachloride	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Benzene	150 ✓	ug/kg	120	12-MAR-01 15:49	EPA 8260	01-027-4331
1,2-Dichloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Trichloroethene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
1,2-Dichloropropane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Bromodichloromethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
cis-1,3-Dichloropropene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
MIBK(4-Methyl-2-pentanone)	U	ug/kg	1700	12-MAR-01 15:49	EPA 8260	01-027-4331
Toluene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
trans-1,3-Dichloropropene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Results calculated on a dry weight basis.						

NY 10252 NJ 73168 PA 68180 EPA NY 00933 Page 1 of 4

Approved by:

Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Date: 16-MAR-2001

Lab Sample ID: L65041-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- SE-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Tetrachloroethene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
2-Hexanone	U	ug/kg	1700	12-MAR-01 15:49	EPA 8260	01-027-4331
Dibromochloromethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Chlorobenzene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Ethylbenzene	6600	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
p-Xylene/m-Xylene	24000	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
o-Xylene	1200	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Styrene	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Bromoform	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
1,1,2,2-Tetrachloroethane	U	ug/kg	870	12-MAR-01 15:49	EPA 8260	01-027-4331
Surrogate Recovery:						
Dibromofluoromethane	109	%				01-027-4331
Toluene-d8	97	%				01-027-4331
4-Bromofluorobenzene	141 *	%				01-027-4331

Analysis Comment: *Surrogate recovery above acceptance limits due to suspected matrix interference. Confirmed by file C4346.

EPA 8270						
2-chloroethylether)	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Phenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Chlorophenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
1,3-Dichlorobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
1,4-Dichlorobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
1,2-Dichlorobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Bis(2-chloroisopropylether)	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Methylphenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Hexachloroethane	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
N-Nitrosodi-N-propylamine	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
3-Methylphenol/4-Methylphenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Nitrobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Isophorone	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Nitrophenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4-Dimethylphenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Bis(2-chloroethoxymethane)	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4-Dichlorophenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
1,2,4-Trichlorobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Naphthalene	51000	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Chloroaniline	U	ug/kg	7200	12-MAR-01 21:19	EPA 8270	01-005-1559
Hexachlorobutadiene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Chloro-3-methylphenol	U	ug/kg	7200	12-MAR-01 21:19	EPA 8270	01-005-1559

Results calculated on a dry weight basis.



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- SE-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methylnaphthalene	15000	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Hexachlorocyclopentadiene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4,6-Trichlorophenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4,5-Trichlorophenol	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Chloronaphthalene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Nitroaniline	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
Dimethyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Acenaphthylene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,6-Dinitrotoluene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
3-Nitroaniline	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
Acenaphthene	2000 J	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4-Dinitrophenol	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
Dibenzofuran	2300 J	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
2,4-Dinitrotoluene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Nitrophenol	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
Diethyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Fluorene	2100 J	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Chlorophenylphenylether	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Nitroaniline	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
2-Methyl-4,6-dinitrophenol	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Nitrosodiphenylamine	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
4-Nitrophenylphenylether	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Hexachlorobenzene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Pentachlorophenol	U	ug/kg	14000	12-MAR-01 21:19	EPA 8270	01-005-1559
Phenanthrene	2900 J	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Anthracene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Carbazole	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Di-n-butyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Fluoranthene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Pyrene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Butylbenzyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Benzo(a)anthracene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
3,3-Dichlorobenzidine	U	ug/kg	7200	12-MAR-01 21:19	EPA 8270	01-005-1559
Chrysene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Bis-2-ethylhexyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Di-n-octyl phthalate	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Benzo(b)fluoranthene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Benzo(k)fluoranthene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Benzo(a)pyrene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Indeno(1,2,3-cd)pyrene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Dibenzo(a,h)anthracene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559
Benzo(g,h,i)perylene	U	ug/kg	3600	12-MAR-01 21:19	EPA 8270	01-005-1559

Results calculated on a dry weight basis.

NY 10252 NJ 73168 PA 68180 EPA NY 00039 3 of 4

Approved by:

Lab Director

ND or U = None Detected
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

< = less than
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs... Since 1963."



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 16-MAR-2001

Lab Sample ID: L65041-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: ENVIROTEK- 153 FILLMORE
Origin: F- SE-WALL
Description: GRAB
Sampled On: 27-FEB-01 14:15 by CLIENT
Date Received: 02-MAR-01 09:16
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				07-MAR-01 00:00	EPA 3550	00-197-60
Surrogate Recovery:						
Terphenyl-d14	73	%				01-005-1559
2-Fluorophenol	73	%				01-005-1559
Phenol-d5	76	%				01-005-1559
2,4,6-Tribromophenol	70	%				01-005-1559
Nitrobenzene-d5	80	%				01-005-1559
2-Fluorobiphenyl	86	%				01-005-1559

Analysis Comment: Results Calculated on a dry weight basis. Internal standards 3 through 6 recoveries below limits.
Confirmed by file B1912.

Results calculated on a dry weight basis.

Page 4 of 4

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by:

Lab Director

ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

CHAIN OF CUSTODY RECORD

PROJECT NO. 35842.00 SITE NAME Envirotek-153 Fillmore

SAMPLERS (PRINT/SIGNATURE) Bob Fabian/Bob Fabian

DELIVERY SERVICE: FEDEX AIRBILL NO.: 8883968163

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
2-26-01	08:10	G		F-Bottom	SO	2
↓	08:15			F-NW-WALL	SO	2
2-27-01	13:50			F-NE-WALL	SO	2
↓	14:05			F-E-WALL	SO	2
↓	14:15	✓		F-SE-WALL	SO	2

250 ml 9/ass (ICE)
500 ml 9/ass (ICE)

BOTTLE TYPE AND PRESERVATIVE

REMARKS

L205041

-1
-2
-3
-4
-5

TESTS

URS Greiner Woodward Clyde

LAB Friend Laboratory
COOLER 1 of 1
PAGE 1 of 1

SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPHS ONLY)
NI	0	0	0
NI	0	0	0
NI	0	0	0
NI	0	0	0
NI	0	0	0

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WG - WATER FIELD OC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<u>Bob Fabian</u>	<u>2-26-01</u>	<u>18:00</u>	<u>FEDEX</u>		
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
			<u>M. Landry</u>	<u>3/2/0</u>	<u>914</u>

SPECIAL INSTRUCTIONS

Please wait for instructions on the analysis from either Bob Henschel or Dave Sheppard (URS) (716) 856-5636 (will contact Thursday)

Distribution: Original accompanies shipment, copy to coordinator field files

APPENDIX B-3

SURFACE SOILS, SUBSURFACE SOILS, AND GROUNDWATER SAMPLES

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date : 02/22/01
Group Number : 2011-389

Prepared For :
Mr. Dave Shepard
URS Corporation Group Consultants
282 Delaware Ave.
Buffalo, NY 14202-1090

Site : 153 Fillmore

*NYSDEC TEST
PITS TP-1 AND
TP-2 SOIL &
GROUNDWATER
SAMPLES*

*EST
PITS*

Analytical Parameters

Analytical Services Number of Samples

Turnaround Time

TCL 8260B	4	5 Business Days
Total Metals	2	5 Business Days
Cyanide	2	5 Business Days
TCLP Pesticides	1	5 Business Days
TCLP Herbicides	1	5 Business Days
Ignitability	1	5 Business Days
pH	1	5 Business Days
Reactive Cyanide	1	5 Business Days
Reactive Sulfide	1	5 Business Days
TCLP 8260	1	5 Business Days
TCLP 8270	1	5 Business Days
TCLP Metals	1	5 Business Days

Report Released By :

Daniel W. Vollmer

Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Waste Stream Technology, Inc.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Group Number: 2011-389

Site: 153 Fillmore

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WS77278	TP-1-GW	Aqueous	02/14/01	02/14/01	16:50
WS77279	TP-2-GW	Aqueous	02/14/01	02/14/01	16:50
WS77280	TP-1	Soil	02/14/01	02/14/01	16:50
WS77281	TP-2	Soil	02/14/01	02/14/01	16:50
WS77282	JX-Soil	Soil	02/14/01	02/14/01	16:50

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

ORGANIC DATA QUALIFIERS

- U -** Indicates compound was analyzed for but not detected.
- J -** Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C -** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B -** This flag is used when the analyte is found in the associated blank as well as the sample.
- E -** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- G -** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L -** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # -** Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- \$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) -** Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389

Units: µg/L

Matrix: Aqueous

WST ID: WS77278

Client ID: TP-1-GW

Extraction Date: NA

Date Analyzed: 02/20/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	10	Not detected		U
bromomethane	10	Not detected		U
vinyl chloride	10	57		
chloroethane	10	Not detected		U
methylene chloride	5	Not detected		U
acetone	100	~~21~~		~~J, B~~ U
carbon disulfide	5	Not detected		U
1,1-dichloroethene	5	1		J
1,1-dichloroethane	5	Not detected		U
trans-1,2-dichloroethene	5	29		
chloroform	5	Not detected		U
2-butanone	100	Not detected		U
1,2-dichloroethane	5	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride	5	Not detected		U
vinyl acetate	50	Not detected		U
1,1-dichloromethane	5	Not detected		U
1,2-dichloropropane	5	Not detected		U
cis-1,3-dichloropropene	5	Not detected		U
trichloroethene	5	84		
benzene	5	2		J
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene	5	Not detected		U
1,1,2-trichloroethane	5	Not detected		U
2-chloroethylvinyl ether	10	Not detected		U
bromoform	5	Not detected		U
4-methyl-2-pentanone	50	Not detected		U
2-hexanone	50	Not detected		U
tetrachloroethene	5	7		
1,1,2,2-tetrachloroethane	5	Not detected		U
toluene	5	Not detected		U
chlorobenzene	5	Not detected		U
ethylbenzene	5	Not detected		U
styrene	5	Not detected		U
m,p-xylene	5	Not detected		U
o-xylene	5	Not detected		U
1,2-Dichloroethane-d4 (%)		110	76- 114	
Toluene-d8 (%)		98	88- 110	
Bromofluorobenzene (%)		100	86- 115	
Blank Factor	1			

2/20/01

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Units: µg/L
Matrix: Aqueous

WST ID: WS77279
Client ID: TP-2-GW
Extraction Date: NA
Date Analyzed: 02/20/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane -	10	Not detected		U
bromomethane -	10	Not detected		U
vinyl chloride -	10	18		
chloroethane -	10	Not detected		U
methylene chloride -	5	Not detected		U
acetone -	100	~~28~~		~~18~~ U
carbon disulfide -	5	Not detected		U
1,1-dichloroethene -	5	Not detected		U
1,1-dichloroethane -	5	3		J
trans-1,2-dichloroethene -	5	Not detected		U
chloroform -	5	Not detected		U
2-butanone -	100	Not detected		U
1,2-dichloroethane -	5	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride -	5	Not detected		U
vinyl acetate	50	Not detected		U
1,1-dichloromethane -	5	Not detected		U
1,2-dichloropropane -	5	Not detected		U
cis-1,3-dichloropropene -	5	Not detected		U
trichloroethene -	5	Not detected		U
benzene -	5	6		
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene -	5	Not detected		U
1,1,2-trichloroethane -	5	Not detected		U
2-chloroethylvinyl ether	10	Not detected		U
bromoform -	5	Not detected		U
4-methyl-2-pentanone -	50	Not detected		U
2-hexanone -	50	Not detected		U
tetrachloroethene -	5	Not detected		U
1,1,2,2-tetrachloroethane -	5	Not detected		U
toluene -	5	Not detected		U
chlorobenzene -	5	Not detected		U
ethylbenzene -	5	Not detected		U
styrene	5	Not detected		U
m,p-xylene -	5	Not detected		U
o-xylene -	5	Not detected		U
1,2-Dichloroethane-d4 (%)		114	76- 114	
Toluene-d8 (%)		105	88- 110	
Bromofluorobenzene (%)		132	86- 115	#
Dilution Factor	1			

6/10/2001

Waste Stream Technology, Inc.

Volatile Organics in Solids

SW-846 8260B

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Units: µg/Kg
Matrix: Soil

WST ID: WS77280
Client ID: TP-1
Extraction Date: NA
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	10	Not detected		U
bromomethane	10	Not detected		U
vinyl chloride	10	Not detected		U
chloroethane	10	Not detected		U
methylene chloride	~~5~~	22		~~U~~ U
acetone	100	Not detected		U
carbon disulfide	5	Not detected		U
1,1-dichloroethene	5	Not detected		U
1,1-dichloroethane	5	Not detected		U
trans-1,2-dichloroethene	5	Not detected		U
chloroform	5	Not detected		U
2-butanone	100	Not detected		U
1,2-dichloroethane	5	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride	5	Not detected		U
vinyl acetate	50	Not detected		U
monodichloromethane	5	Not detected		U
1,2-dichloropropane	5	Not detected		U
cis-1,3-dichloropropene	5	Not detected		U
trichloroethene	5	Not detected		U
benzene	5	Not detected		U
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene	5	Not detected		U
1,1,2-trichloroethane	5	Not detected		U
bromoform	5	Not detected		U
4-methyl-2-pentanone	50	Not detected		U
2-hexanone	50	Not detected		U
tetrachloroethene	5	Not detected		U
1,1,2,2-tetrachloroethane	5	Not detected		U
toluene	5	Not detected		U
chlorobenzene	5	Not detected		U
ethylbenzene	5	2		J
styrene	5	Not detected		U
m,p-xylene	5	Not detected		U
o-xylene	5	Not detected		U
1,2-Dichloroethane-d4 (%)		106	70- 121	
Toluene-d8 (%)		90	81- 117	
Bromofluorobenzene (%)		105	74- 121	
Dilution Factor	1			

W
10/21/01

Waste Stream Technology, Inc.

Volatile Organics in Solids

SW-846 8260B

Site: 153 Fillmore
Date Sampled: 02/14/01
Date Received: 02/14/01

Group Number: 2011-389
Units: µg/Kg
Matrix: Soil

WST ID: WS77281
Client ID: TP-2
Extraction Date: NA
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	50.0	Not detected		U
bromomethane	50.0	Not detected		U
vinyl chloride	50.0	Not detected		U
chloroethane	50.0	Not detected		U
methylene chloride	~~25.0~~	104		~~U~~ J
acetone	500	Not detected		U
carbon disulfide	25.0	Not detected		U
1,1-dichloroethene	25.0	Not detected		U
1,1-dichloroethane	25.0	Not detected		U
trans-1,2-dichloroethene	25.0	Not detected		U
chloroform	25.0	Not detected		U
2-butanone	500	Not detected		U
1,2-dichloroethane	25.0	Not detected		U
1,1,1-trichloroethane	25.0	Not detected		U
carbon tetrachloride	25.0	Not detected		U
vinyl acetate	250	Not detected		U
1,1-dichloromethane	25.0	Not detected		U
1,2-dichloropropane	25.0	Not detected		U
cis-1,3-dichloropropene	25.0	Not detected		U
trichloroethene	25.0	Not detected		U
benzene	25.0	Not detected		U
dibromochloromethane	25.0	Not detected		U
trans-1,3-dichloropropene	25.0	Not detected		U
1,1,2-trichloroethane	25.0	Not detected		U
bromoform	25.0	Not detected		U
4-methyl-2-pentanone	250	Not detected		U
2-hexanone	250	Not detected		U
tetrachloroethene	25.0	Not detected		U
1,1,2,2-tetrachloroethane	25.0	Not detected		U
toluene	25.0	Not detected		U
chlorobenzene	25.0	Not detected		U
ethylbenzene	25.0	10		J
styrene	25.0	Not detected		U
m,p-xylene	25.0	Not detected		U
o-xylene	25.0	Not detected		U
1,2-Dichloroethane-d4 (%)		124	70- 121	#
Toluene-d8 (%)		111	81- 117	
Bromofluorobenzene (%)		149	74- 121	#
Dilution Factor	5			

10/2/01

Waste Stream Technology, Inc.**VOC Water Method Blank Results****SW-846 8260B**

Site: 153 Fillmore

Date Sampled: NA

Date Received: NA

Group Number: 2011-389

Units: µg/L

WST ID: MB022001

Client ID: NA

Extraction Date: NA

Date Analyzed: 02/20/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	10	Not detected		U
bromomethane	10	Not detected		U
vinyl chloride	10	Not detected		U
chloroethane	10	Not detected		U
methylene chloride	5	3		J
acetone	100	21		J
carbon disulfide	5	Not detected		U
1,1-dichloroethene	5	Not detected		U
1,1-dichloroethane	5	Not detected		U
trans-1,2-dichloroethene	5	Not detected		U
chloroform	5	Not detected		U
1,2-dichloroethane	5	Not detected		U
2-butanone	100	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride	5	Not detected		U
vinyl acetate	50	Not detected		U
1,1-dichloromethane	5	Not detected		U
1,2-dichloropropane	5	Not detected		U
cis-1,3-dichloropropene	5	Not detected		U
trichloroethene	5	Not detected		U
benzene	5	Not detected		U
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene	5	Not detected		U
1,1,2-trichloroethane	5	Not detected		U
2-chloroethylvinyl ether	10	Not detected		U
bromoform	5	Not detected		U
4-methyl-2-pentanone	50	Not detected		U
2-hexanone	50	Not detected		U
tetrachloroethene	5	Not detected		U
1,1,2,2-tetrachloroethane	5	Not detected		U
toluene	5	Not detected		U
chlorobenzene	5	Not detected		U
ethylbenzene	5	Not detected		U
styrene	5	Not detected		U
m,p-xylene	5	Not detected		U
o-xylene	5	Not detected		U
1,2-Dichloroethane-d4 (%)		108	76- 114	
Toluene-d8 (%)		97	88- 110	
Bromofluorobenzene (%)		100	86- 115	

Dilution Factor 1

MB denotes Method Blank

NA denotes Not Applicable

Waste Stream Technology, Inc.

VOC Soil Method Blank Results

SW-846 8260B

Site: 153 Fillmore
Date Sampled: NA
Date Received: NA

Group Number: 2011-389
Units: µg/Kg

WST ID: MB022101
Client ID: NA
Extraction Date: NA
Date Analyzed: 02/21/01

Compound	Detection Limit	Result	QC Limits (%)	Qualifier
chloromethane	10	Not detected		U
bromomethane	10	4		J
vinyl chloride	10	Not detected		U
chloroethane	10	Not detected		U
methylene chloride	5	2		J
acetone	100	Not detected		U
carbon disulfide	5	Not detected		U
1,1-dichloroethene	5	Not detected		U
1,1-dichloroethane	5	Not detected		U
trans-1,2-Dichloroethene	5	Not detected		U
chloroform	5	Not detected		U
1,2-dichloroethane	5	Not detected		U
2-butanone	100	Not detected		U
1,1,1-trichloroethane	5	Not detected		U
carbon tetrachloride	5	Not detected		U
vinyl acetate	5	Not detected		U
1,1-dichloromethane	5	Not detected		U
1,2-dichloropropene	5	Not detected		U
cis-1,3-dichloropropene	5	Not detected		U
trichloroethene	5	Not detected		U
benzene	5	Not detected		U
dibromochloromethane	5	Not detected		U
trans-1,3-dichloropropene	5	Not detected		U
1,1,2-trichloroethane	5	Not detected		U
bromoform	5	Not detected		U
4-methyl-2-pentanone	50	Not detected		U
2-hexanone	50	Not detected		U
tetrachloroethene	5	Not detected		U
1,1,2,2-tetrachloroethane	5	Not detected		U
toluene	5	Not detected		U
chlorobenzene	5	Not detected		U
ethylbenzene	5	Not detected		U
styrene	5	Not detected		U
m,p-xylene	5	Not detected		U
o-xylene	5	Not detected		U
1,2-Dichloroethane-d4 (%)		97	70- 121	
Toluene-d8 (%)		90	81- 117	
Bromofluorobenzene (%)		90	74- 121	

Dilution Factor 1
B denotes Method Blank
NA denotes Not Applicable

Waste Stream Technology, Inc.

Metals Analysis Result Report

Site: 153 Fillmore
 Date Sampled: 02/14/01
 Date Received: 02/14/01

Group Number: 2011-389
 Units: mg/Kg
 Matrix: Soil

WST ID: WS77280
 Client ID: TP-1
 Digestion Date: 02/15/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Aluminum by ICP	2.50	4280	02/21/01	SW-846 6010
Antimony by ICP	1.00	Not detected	02/21/01	SW-846 6010
Arsenic by ICP	1.70	Not detected	02/21/01	SW-846 6010
Barium by ICP	1.00	110	02/21/01	SW-846 6010
Beryllium by ICP	0.400	Not detected	02/21/01	SW-846 6010
Cadmium by ICP	1.00	Not detected	02/21/01	SW-846 6010
Calcium by ICP	2.40	48000	02/21/01	SW-846 6010
Chromium by ICP	1.00	7.68	02/21/01	SW-846 6010
Cobalt by ICP	1.00	5.24	02/21/01	SW-846 6010
Copper by ICP	1.00	10.7	02/21/01	SW-846 6010
Iron by ICP	8.30	18200	02/21/01	SW-846 6010
Lead by ICP	4.10	4.06	02/21/01	SW-846 6010
Magnesium by ICP	12.0	9120	02/21/01	SW-846 6010
Manganese by ICP	1.00	599	02/21/01	SW-846 6010
Mercury by Cold Vapor	0.014	Not detected	02/16/01	SW-846 7471
Nickel by ICP	1.00	11.0	02/21/01	SW-846 6010
Potassium by ICP	14.0	446	02/19/01	SW-846 6010
Selenium by ICP	1.40	Not detected	02/21/01	SW-846 6010
Silver by ICP	0.500	Not detected	02/21/01	SW-846 6010
Sodium by ICP	12.0	99.8	02/19/01	SW-846 6010
Thallium by ICP	1.30	Not detected	02/21/01	SW-846 6010
Vanadium by ICP	1.00	12.0	02/21/01	SW-846 6010
Zinc by ICP	4.00	43.0	02/21/01	SW-846 6010

Metals Analysis Result Report

Date Received: 02/14/01

Matrix: Soil

Digestion Date: 02/15/01

Analyte	Detection Limit	Result	Date Analyzed	Analysis Method
Aluminum by ICP	2.50	3530	02/21/01	SW-846 6010
Antimony by ICP	1.00	Not detected	02/21/01	SW-846 6010
Arsenic by ICP	1.70	2.60	02/21/01	SW-846 6010
Barium by ICP	1.00	35.5	02/21/01	SW-846 6010
Beryllium by ICP	0.400	Not detected	02/21/01	SW-846 6010
Cadmium by ICP	1.00	Not detected	02/21/01	SW-846 6010
Calcium by ICP	2.40	36500	02/21/01	SW-846 6010
Chromium by ICP	1.00	6.36	02/21/01	SW-846 6010
Cobalt by ICP	1.00	4.14	02/21/01	SW-846 6010
Copper by ICP	1.00	15.6	02/21/01	SW-846 6010
Iron by ICP	8.30	11500	02/21/01	SW-846 6010
Lead by ICP	4.10	6.54	02/21/01	SW-846 6010
Magnesium by ICP	12.0	13400	02/21/01	SW-846 6010
Manganese by ICP	1.00	368	02/21/01	SW-846 6010
Mercury by Cold Vapor	0.014	Not detected	02/16/01	SW-846 7471
Nickel by ICP	1.00	9.52	02/21/01	SW-846 6010
Potassium by ICP	14.0	693	02/19/01	SW-846 6010
Selenium by ICP	1.40	Not detected	02/21/01	SW-846 6010
Silver by ICP	0.500	Not detected	02/21/01	SW-846 6010
Sodium by ICP	12.0	110	02/19/01	SW-846 6010
Thallium by ICP	1.30	Not detected	02/21/01	SW-846 6010
Vanadium by ICP	1.00	9.27	02/21/01	SW-846 6010
Zinc by ICP	4.00	50.7	02/21/01	SW-846 6010

DIRS

LAB Waste Stream Tech.
COOLER 1 of 1
PAGE 1 of 1

[illegible]A blank sheet of white paper with a light gray grid pattern. The grid consists of small squares, approximately 1 cm by 1 cm. There are no margins or other markings on the page.

IDENTAL SAMPLE	(* - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)	
WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WO - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
	SPECIAL INSTRUCTIONS	
DATE	TIME	★ - 5 DAY TURN AROUND TIME
2-14-01	16:30	
DATE	TIME	
SIGNATURE)		

Distribution: Original accompanies shipment, copy to coordinator field files



ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-11

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-1 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	93	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	2.5	mg/kg	1.30	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	89.9	mg/kg	1.62	15-AUG-01 01:18	EPA 6010	01-096-11
Cadmium	0.684	mg/kg	0.507	15-AUG-01 01:18	EPA 6010	01-096-11
Chromium	14.7	mg/kg	1.01	15-AUG-01 01:18	EPA 6010	01-096-11
Lead	168	mg/kg	4.46	15-AUG-01 01:18	EPA 6010	01-096-11
Mercury	0.28	mg/kg	0.0510	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	UW	mg/kg	0.530	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.01	15-AUG-01 01:18	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Vinyl chloride	U	ug/kg	2	17-AUG-01 17:47	EPA 8260	01-082-6106
Chloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Bromomethane	6 B	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,1-Dichloroethene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Acetone	U	ug/kg	24	17-AUG-01 17:47	EPA 8260	01-082-6106
Carbon disulfide	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Methylene chloride	17 B	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
trans-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,1-Dichloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
cis-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
MEK(2-Butanone)	U	ug/kg	24	17-AUG-01 17:47	EPA 8260	01-082-6106
Chloroform	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,1,1-Trichloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Carbon tetrachloride	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Benzene	U	ug/kg	0.7	17-AUG-01 17:47	EPA 8260	01-082-6106
1,2-Dichloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Results calculated on a dry weight basis.						

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 45 of 122

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-11

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-1 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,2-Dichloropropane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Bromodichloromethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
cis-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
MIBK(4-Methyl-2-pentanone)	U	ug/kg	9	17-AUG-01 17:47	EPA 8260	01-082-6106
Toluene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
trans-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,1,2-Trichloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Tetrachloroethene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
2-Hexanone	U	ug/kg	9	17-AUG-01 17:47	EPA 8260	01-082-6106
Dibromochloromethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Chlorobenzene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Ethylbenzene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
p-Xylene/m-Xylene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
o-Xylene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Styrene	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
Bromoform	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106
1,1,2,2-Tetrachloroethane	U	ug/kg	5	17-AUG-01 17:47	EPA 8260	01-082-6106

Library Search Compounds:	Result	Units	Qual	Retention Time
Hexane	15	ug/kg	NJ	5.01
Unknown	8	ug/kg	J	19.57
Nonanal	18	ug/kg	NJ	21.39
Decanal	65	ug/kg	NJ	22.69
Unknown Hydrocarbon	8	ug/kg	J	23.26

Library Search Comment:Five library search compounds detected.

Surrogate Recovery:				
Dibromofluoromethane	134	*	%	01-082-6106
Toluene-d8	117		%	01-082-6106
4-Bromofluorobenzene	133		%	01-082-6106

Analysis Comment:*Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high. Internal standard 1,2,3,4 recovery below limits. Confirmed by file 01-082-6162. Analyzed outside of holding time.

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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Date: 04-SEP-2001

Lab Sample ID: L73300-11

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Origin: SS-1 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1221	U	ug/kg	210	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1232	U	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1242	U	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1248	U	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1254	U	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
PCB 1260	180	ug/kg	110	03-AUG-01 07:01	EPA 8082	01-124-7663
Extraction Information:				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	59	%				01-124-7663
Decachlorobiphenyl	113	%				01-124-7663
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Phenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Chlorophenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
1,3-Dichlorobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
1,4-Dichlorobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
1,2-Dichlorobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Bis(2-chloroisopropylether)	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Methylphenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Hexachloroethane	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
N-Nitrosodi-N-propylamine	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
3-Methylphenol/4-Methylphenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Nitrobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Isophorone	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Nitrophenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4-Dimethylphenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Bis(2-chloroethoxymethane)	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4-Dichlorophenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
1,2,4-Trichlorobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Naphthalene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Chloroaniline	U	ug/kg	540	11-AUG-01 02:15	EPA 8270	01-063-2732
Hexachlorobutadiene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Chloro-3-methylphenol	U	ug/kg	540	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Methylnaphthalene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Hexachlorocyclopentadiene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4,6-Trichlorophenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4,5-Trichlorophenol	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Results calculated on a dry weight basis.						

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:04-SEP-2001

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282 Delaware Avenue
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Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Nitroaniline	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
Dimethyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Acenaphthylene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,6-Dinitrotoluene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
3-Nitroaniline	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
Acenaphthene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4-Dinitrophenol	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
Dibenzofuran	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
2,4-Dinitrotoluene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Nitrophenol	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
Diethyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Fluorene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Chlorophenylphenylether	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Nitroaniline	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
N-Nitrosodiphenylamine	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
4-Bromophenylphenylether	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Hexachlorobenzene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Pentachlorophenol	U	ug/kg	1100	11-AUG-01 02:15	EPA 8270	01-063-2732
Phenanthrene	330	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Anthracene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Carbazole	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Di-n-butyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Fluoranthene	570	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Pyrene	1200	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Butylbenzyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Benzo(a)anthracene	500	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
3,3-Dichlorobenzidine	U	ug/kg	540	11-AUG-01 02:15	EPA 8270	01-063-2732
Chrysene	420	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Bis-2-ethylhexyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Di-n-octyl phthalate	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Benzo(b)fluoranthene	580	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Benzo(k)fluoranthene	230 J	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Benzo(a)pyrene	480	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Indeno(1,2,3-cd)pyrene	480	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Dibenzo(a,h)anthracene	U	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732
Benzo(g,h,i)perylene	590	ug/kg	270	11-AUG-01 02:15	EPA 8270	01-063-2732

Results calculated on a dry weight basis.

Page 48 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-11

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-1 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time	
Unknown PAH	340	ug/kg	J	39.83	
Surrogate Recovery:					
Terphenyl-d14	63	%			01-063-2732
2-Fluorophenol	39 *	%			01-063-2732
Phenol-d5	42 *	%			01-063-2732
2,4,6-Tribromophenol	28 *	%			01-063-2732
Nitrobenzene-d5	36 *	%			01-063-2732
2-Fluorobiphenyl	37 *	%			01-063-2732

Analysis Comment:Results Calculated on a dry weight basis. * - Surrogate recovery below limit. Int std 3,4 below limit, confirm file # A2717.

Results calculated on a dry weight basis.

Page 49 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-2 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	91.5	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	1.6	mg/kg	1.30	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	36.8	mg/kg	1.58	15-AUG-01 01:21	EPA 6010	01-096-11
Cadmium	0.522	mg/kg	0.492	15-AUG-01 01:21	EPA 6010	01-096-11
Chromium	15.8	mg/kg	0.985	15-AUG-01 01:21	EPA 6010	01-096-11
Lead	70.1	mg/kg	4.33	15-AUG-01 01:21	EPA 6010	01-096-11
Mercury	3	mg/kg	0.2300	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.520	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	0.985	15-AUG-01 01:21	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Vinyl chloride	U	ug/kg	2	15-AUG-01 20:18	EPA 8260	01-082-6073
Chloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Bromomethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,1-Dichloroethene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Acetone	U	ug/kg	27	15-AUG-01 20:18	EPA 8260	01-082-6073
Carbon disulfide	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Methylene chloride	7	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
trans-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,1-Dichloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
cis-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
MEK(2-Butanone)	U	ug/kg	27	15-AUG-01 20:18	EPA 8260	01-082-6073
Chloroform	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,1,1-Trichloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Carbon tetrachloride	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Benzene	U	ug/kg	0.8	15-AUG-01 20:18	EPA 8260	01-082-6073
1,2-Dichloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Trichloroethene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,2-Dichloropropane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Bromodichloromethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
cis-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	15-AUG-01 20:18	EPA 8260	01-082-6073
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-2 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
trans-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,1,2-Trichloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Tetrachloroethene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
2-Hexanone	U	ug/kg	11	15-AUG-01 20:18	EPA 8260	01-082-6073
Dibromochloromethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Chlorobenzene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Ethylbenzene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
p-Xylene/m-Xylene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
o-Xylene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Styrene	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
Bromoform	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073
1,1,2,2-Tetrachloroethane	U	ug/kg	5	15-AUG-01 20:18	EPA 8260	01-082-6073

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown Cyclic	13	ug/kg	J	21.41
Decanal	36	ug/kg	NJ	22.71

Library Search Comment:Two library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	122	%		01-082-6073
Toluene-d8	107	%		01-082-6073
4-Bromofluorobenzene	131	%		01-082-6073

Analysis Comment:Internal Standard 3,4 recovery below limits. Results confirmed 01-082-6164. Sample analyzed past holding time.

EPA 8082

PCB 1016	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1221	U	ug/kg	220	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1232	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1242	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1248	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1254	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664
PCB 1260	U	ug/kg	110	03-AUG-01 07:32	EPA 8082	01-124-7664

Results calculated on a dry weight basis.

Page 51 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-2 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	64	μ				01-124-7664
Decachlorobiphenyl	103	μ				01-124-7664
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Phenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Chlorophenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
1,3-Dichlorobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
1,4-Dichlorobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
1,2-Dichlorobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Bis(2-chloroisopropylether)	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Methylphenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Hexachloroethane	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
N-Nitrosodi-N-propylamine	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
3-Methylphenol/4-Methylphenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Nitrobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Isophorone	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Nitrophenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,4-Dimethylphenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Bis(2-chloroethoxymethane)	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,4-Dichlorophenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
1,2,4-Trichlorobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Naphthalene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Chloroaniline	U	ug/kg	540	09-AUG-01 17:32	EPA 8270	01-071-2767
Hexachlorobutadiene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Chloro-3-methylphenol	U	ug/kg	540	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Methylnaphthalene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Hexachlorocyclopentadiene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,4,6-Trichlorophenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,4,5-Trichlorophenol	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Chloronaphthalene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Nitroaniline	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
Dimethyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Acenaphthylene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,6-Dinitrotoluene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
3-Nitroaniline	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
Acenaphthene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
2,4-Dinitrophenol	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
Dibenzofuran	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Results calculated on a dry weight basis.						

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-2 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dinitrotoluene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Nitrophenol	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
Diethyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Fluorene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Chlorophenylphenylether	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Nitroaniline	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
N-Nitrosodiphenylamine	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
4-Bromophenylphenylether	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Hexachlorobenzene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Pentachlorophenol	U	ug/kg	1100	09-AUG-01 17:32	EPA 8270	01-071-2767
Phenanthrene	340	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Anthracene	77 J	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Carbazole	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Di-n-butyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Fluoranthene	630	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Pyrene	1400	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Butylbenzyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Benzo(a)anthracene	360	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
3,3-Dichlorobenzidine	U	ug/kg	540	09-AUG-01 17:32	EPA 8270	01-071-2767
Chrysene	440	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Bis-2-ethylhexyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Di-n-octyl phthalate	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Benzo(b)fluoranthene	640	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Benzo(k)fluoranthene	260 J	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Benzo(a)pyrene	380	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Indeno(1,2,3-cd)pyrene	350	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Dibenzo(a,h)anthracene	U	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767
Benzo(g,h,i)perylene	440	ug/kg	270	09-AUG-01 17:32	EPA 8270	01-071-2767

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-2 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 10:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
D-Limonene	620	ug/kg	J	10.99		
Tridecane	290	ug/kg	J	16.72		
Pentadecane	320	ug/kg	J	20.2		
Hexadecane	310	ug/kg	J	21.78		
Heptadecane	380	ug/kg	J	23.27		
Oxacycloheptadecan-2-one	510	ug/kg	J	26.8		
Hexadecanoic acid	620	ug/kg	J	26.93		
Pentadecane	280	ug/kg	J	27.33		
Tricosane	390	ug/kg	J	30.87		
Unknown Hydrocarbon	310	ug/kg	J	31.96		
Unknown	2800	ug/kg	J	32.05		
8-methyl Heptadecane	1500	ug/kg	J	36.79		
Octadecane	1500	ug/kg	J	38.57		
Surrogate Recovery:						
Terphenyl-d14	158 *	%				01-071-2767
2-Fluorophenol	70	%				01-071-2767
Phenol-d5	72	%				01-071-2767
2,4,6-Tribromophenol	72	%				01-071-2767
Nitrobenzene-d5	74	%				01-071-2767
2-Fluorobiphenyl	72	%				01-071-2767

Analysis Comment:Results Calculated on a dry weight basis. Internal standards 5 and 6 recoveries below limits.
Confirmed by file A2756. *Surrogate recovery above acceptance limits.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-3 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:05 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	78.6	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	8.2	mg/kg	1.50	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	99.7	mg/kg	1.98	15-AUG-01 01:24	EPA 6010	01-096-11
Cadmium	1.88	mg/kg	0.618	15-AUG-01 01:24	EPA 6010	01-096-11
Chromium	37.8	mg/kg	1.24	15-AUG-01 01:24	EPA 6010	01-096-11
Lead	318	mg/kg	5.43	15-AUG-01 01:24	EPA 6010	01-096-11
Mercury	0.27	mg/kg	0.0570	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.600	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.24	15-AUG-01 01:24	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Vinyl chloride	U	ug/kg	2	28-AUG-01 22:05	EPA 8260	01-082-6182
Chloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Bromomethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,1-Dichloroethene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Acetone	U	ug/kg	28	28-AUG-01 22:05	EPA 8260	01-082-6182
Carbon disulfide	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Methylene chloride	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
trans-1,2-Dichloroethene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,1-Dichloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
cis-1,2-Dichloroethene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
MEK(2-Butanone)	U	ug/kg	28	28-AUG-01 22:05	EPA 8260	01-082-6182
Chloroform	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,1,1-Trichloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Carbon tetrachloride	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Benzene	U	ug/kg	0.8	28-AUG-01 22:05	EPA 8260	01-082-6182
1,2-Dichloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-3 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:05 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,2-Dichloropropane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Bromodichloromethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
cis-1,3-Dichloropropene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	28-AUG-01 22:05	EPA 8260	01-082-6182
Toluene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
trans-1,3-Dichloropropene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,1,2-Trichloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Tetrachloroethene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
2-Hexanone	U	ug/kg	11	28-AUG-01 22:05	EPA 8260	01-082-6182
Dibromochloromethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Chlorobenzene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Ethylbenzene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
p-Xylene/m-Xylene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
o-Xylene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Styrene	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
Bromoform	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182
1,1,2,2-Tetrachloroethane	U	ug/kg	6	28-AUG-01 22:05	EPA 8260	01-082-6182

Library Search Compounds:	Result	Units	Qual	Retention Time
Hexane	240	ug/kg	NJB	5.23
Unknown	12	ug/kg	J	6.42

Library Search Comment:Two library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	185	*	%	01-082-6182
Toluene-d8	133	*	%	01-082-6182
4-Bromofluorobenzene	168	*	%	01-082-6182

Analysis Comment:Sample analyzed past holding time. Internal standard 1,2,3,4 recovery below limits. Results confirmed 01-082-6071. Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high.

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-3 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:05 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1221	U	ug/kg	250	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1232	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1242	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1248	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1254	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
PCB 1260	U	ug/kg	130	03-AUG-01 10:08	EPA 8082	01-124-7669
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22
Surrogate Recovery:						
Tetrachloro-m-xylene	57	%				01-124-7669
Decachlorobiphenyl	153	%				01-124-7669
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Phenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Chlorophenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
1,3-Dichlorobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
1,4-Dichlorobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
1,2-Dichlorobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Bis(2-chloroisopropylether)	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Methylphenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Hexachloroethane	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
N-Nitrosodi-N-propylamine	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
3-Methylphenol/4-Methylphenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Nitrobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Isophorone	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Nitrophenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4-Dimethylphenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Bis(2-chloroethoxymethane)	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4-Dichlorophenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
1,2,4-Trichlorobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Naphthalene	1200 J	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Chloroaniline	U	ug/kg	9500	13-AUG-01 18:43	EPA 8270	01-071-2791
Hexachlorobutadiene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Chloro-3-methylphenol	U	ug/kg	9500	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Methylnaphthalene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Hexachlorocyclopentadiene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4,6-Trichlorophenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4,5-Trichlorophenol	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Results calculated on a dry weight basis.						

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-3 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:05 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Nitroaniline	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
Dimethyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Acenaphthylene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,6-Dinitrotoluene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
3-Nitroaniline	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
Acenaphthene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4-Dinitrophenol	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
Dibenzofuran	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
2,4-Dinitrotoluene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Nitrophenol	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
Diethyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Fluorene	1000 J	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Chlorophenylphenylether	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Nitroaniline	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
2-Methyl-4,6-dinitrophenol	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
N-Nitrosodiphenylamine	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
4-Bromophenylphenylether	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Hexachlorobenzene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Pentachlorophenol	U	ug/kg	19000	13-AUG-01 18:43	EPA 8270	01-071-2791
Phenanthrene	11000	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Anthracene	2300 J	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Carbazole	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Di-n-butyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Fluoranthene	10000	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Pyrene	38000	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Butylbenzyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Benzo(a)anthracene	7500	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
3,3-Dichlorobenzidine	U	ug/kg	9500	13-AUG-01 18:43	EPA 8270	01-071-2791
Chrysene	7900	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Bis-2-ethylhexyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Di-n-octyl phthalate	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Benzo(b)fluoranthene	9900	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Benzo(k)fluoranthene	3300 J	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Benzo(a)pyrene	7100	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Indeno(1,2,3-cd)pyrene	5300	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Dibenzo(a,h)anthracene	U	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791
Benzo(g,h,i)perylene	6700	ug/kg	4800	13-AUG-01 18:43	EPA 8270	01-071-2791

Results calculated on a dry weight basis.

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-3 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:05 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Library Search Compounds:

Result	Units	Qual	Retention Time

Unknown PAH	6000	ug/kg	J	37.14

Surrogate Recovery:

Terphenyl-d14	160	D	%	01-071-2791
2-Fluorophenol	48		%	01-071-2791
Phenol-d5	52		%	01-071-2791
2,4,6-Tribromophenol	47		%	01-071-2791
Nitrobenzene-d5	51		%	01-071-2791
2-Fluorobiphenyl	57		%	01-071-2791

Analysis Comment: Results Calculated on a dry weight basis. Internal standards 5 and 6 recoveries below limits.
Confirmed by file B2699.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-4 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:20 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	80.7	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	6.9	mg/kg	3.00	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	205	mg/kg	1.84	15-AUG-01 01:30	EPA 6010	01-096-11
Cadmium	1.52	mg/kg	0.574	15-AUG-01 01:30	EPA 6010	01-096-11
Chromium	22.7	mg/kg	1.15	15-AUG-01 01:30	EPA 6010	01-096-11
Lead	244	mg/kg	5.05	15-AUG-01 01:30	EPA 6010	01-096-11
Mercury	0.16	mg/kg	0.0460	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.610	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.15	15-AUG-01 01:30	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Vinyl chloride	U	ug/kg	210	24-AUG-01 21:12	EPA 8260	01-126-8848
Chloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Bromomethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,1-Dichloroethene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Acetone	U	ug/kg	2600	24-AUG-01 21:12	EPA 8260	01-126-8848
Carbon disulfide	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Methylene chloride	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
trans-1,2-Dichloroethene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,1-Dichloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
cis-1,2-Dichloroethene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
MEK(2-Butanone)	U	ug/kg	2600	24-AUG-01 21:12	EPA 8260	01-126-8848
Chloroform	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,1,1-Trichloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Carbon tetrachloride	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Benzene	U	ug/kg	72	24-AUG-01 21:12	EPA 8260	01-126-8848
1,2-Dichloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Results calculated on a dry weight basis.						

Page 60 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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"Our family, caring about your analytical needs...Since 1963."



ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-4 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:20 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,2-Dichloropropane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Bromodichloromethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
cis-1,3-Dichloropropene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
MIBK(4-Methyl-2-pentanone)	U	ug/kg	1000	24-AUG-01 21:12	EPA 8260	01-126-8848
Toluene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
trans-1,3-Dichloropropene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,1,2-Trichloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Tetrachloroethene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
2-Hexanone	U	ug/kg	1000	24-AUG-01 21:12	EPA 8260	01-126-8848
Dibromochloromethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Chlorobenzene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Ethylbenzene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
p-Xylene/m-Xylene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
o-Xylene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Styrene	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
Bromoform	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848
1,1,2,2-Tetrachloroethane	U	ug/kg	520	24-AUG-01 21:12	EPA 8260	01-126-8848

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown Acid	2400	ug/kg	J	21.77
1-ethyl Naphthalene	1900	ug/kg	NJ	21.87
2,7 dimethyl Naphthalene	5600	ug/kg	NJ	22.34
1,7 dimethyl Naphthalene	5400	ug/kg	NJ	22.83
Unknown Aromatic	4000	ug/kg	J	22.94
1,7 dimethyl Naphthalene	2000	ug/kg	NJ	23.49

Library Search Comment:Six library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	97	%	01-126-8848
Toluene-d8	101	%	01-126-8848
4-Bromofluorobenzene	91	%	01-126-8848

Analysis Comment:Analyzed outside of holding time.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-4 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:20 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1221	U	ug/kg	230	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1232	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1242	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1248	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1254	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
PCB 1260	U	ug/kg	110	03-AUG-01 10:40	EPA 8082	01-124-7670
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22
Surrogate Recovery:						
Tetrachloro-m-xylene	75	%				01-124-7670
Decachlorobiphenyl	105	%				01-124-7670
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Phenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Chlorophenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
1,3-Dichlorobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
1,4-Dichlorobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
1,2-Dichlorobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Bis(2-chloroisopropylether)	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Methylphenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Hexachloroethane	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
N-Nitrosodi-N-propylamine	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
3-Methylphenol/4-Methylphenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Nitrobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Isophorone	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Nitrophenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4-Dimethylphenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Bis(2-chloroethoxymethane)	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4-Dichlorophenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
1,2,4-Trichlorobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Naphthalene	140 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Chloroaniline	U	ug/kg	620	13-AUG-01 16:55	EPA 8270	01-071-2789
Hexachlorobutadiene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Chloro-3-methylphenol	U	ug/kg	620	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Methylnaphthalene	81 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Hexachlorocyclopentadiene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4,6-Trichlorophenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4,5-Trichlorophenol	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-4 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:20 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Nitroaniline	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
Dimethyl phthalate	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Acenaphthylene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,6-Dinitrotoluene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
3-Nitroaniline	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
Acenaphthene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4-Dinitrophenol	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
Dibenzofuran	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
2,4-Dinitrotoluene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Nitrophenol	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
Diethyl phthalate	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Fluorene	72 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Chlorophenylphenylether	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Nitroaniline	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
N-Nitrosodiphenylamine	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
4-Bromophenylphenylether	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Hexachlorobenzene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Pentachlorophenol	U	ug/kg	1200	13-AUG-01 16:55	EPA 8270	01-071-2789
Phenanthrene	600	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Anthracene	150 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Carbazole	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Di-n-butyl phthalate	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Fluoranthene	900	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Pyrene	1700	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Butylbenzyl phthalate	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Benzo(a)anthracene	550	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
3,3-Dichlorobenzidine	U	ug/kg	620	13-AUG-01 16:55	EPA 8270	01-071-2789
Chrysene	640	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Bis-2-ethylhexyl phthalate	250 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Di-n-octyl phthalate	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Benzo(b)fluoranthene	800	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Benzo(k)fluoranthene	290 J	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Benzo(a)pyrene	580	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Indeno(1,2,3-cd)pyrene	500	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Dibenzo(a,h)anthracene	U	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789
Benzo(g,h,i)perylene	630	ug/kg	310	13-AUG-01 16:55	EPA 8270	01-071-2789

Results calculated on a dry weight basis.

Page 63 of 122

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-4 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:20 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time
Hexadecanoic Acid	700	ug/kg	NJ	27.1
Unknown Hydrocarbon	260	ug/kg	J	29.28
Octadecanoic Acid	350	ug/kg	NJ	29.54
Unknown	840	ug/kg	J	38.82
Unknown PAH	1200	ug/kg	J	44.75

Library Search Comment:Five library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	111	%	01-071-2789
2-Fluorophenol	59	%	01-071-2789
Phenol-d5	58	%	01-071-2789
2,4,6-Tribromophenol	61	%	01-071-2789
Nitrobenzene-d5	63	%	01-071-2789
2-Fluorobiphenyl	57	%	01-071-2789

Analysis Comment:Results Calculated on a dry weight basis. Internal standard 6 recovery below limits. Confirmed by file A2774.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-5 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	93.1	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	2	mg/kg	1.20	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	55.7	mg/kg	1.65	15-AUG-01 01:33	EPA 6010	01-096-11
Cadmium	0.977	mg/kg	0.516	15-AUG-01 01:33	EPA 6010	01-096-11
Chromium	13.6	mg/kg	1.03	15-AUG-01 01:33	EPA 6010	01-096-11
Lead	35.5	mg/kg	4.54	15-AUG-01 01:33	EPA 6010	01-096-11
Mercury	0.08	mg/kg	0.0500	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.500	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.03	15-AUG-01 01:33	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Vinyl chloride	U	ug/kg	2	17-AUG-01 18:20	EPA 8260	01-082-6107
Chloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Bromomethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,1-Dichloroethene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Acetone	U	ug/kg	27	17-AUG-01 18:20	EPA 8260	01-082-6107
Carbon disulfide	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Methylene chloride	10 B	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
trans-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,1-Dichloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
cis-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
MEK(2-Butanone)	U	ug/kg	27	17-AUG-01 18:20	EPA 8260	01-082-6107
Chloroform	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,1,1-Trichloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Carbon tetrachloride	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Benzene	U	ug/kg	0.7	17-AUG-01 18:20	EPA 8260	01-082-6107
1,2-Dichloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Results calculated on a dry weight basis.						

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-5 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,2-Dichloropropane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Bromodichloromethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
cis-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	17-AUG-01 18:20	EPA 8260	01-082-6107
Toluene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
trans-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,1,2-Trichloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Tetrachloroethene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
2-Hexanone	U	ug/kg	11	17-AUG-01 18:20	EPA 8260	01-082-6107
Dibromochloromethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Chlorobenzene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Ethylbenzene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
p-Xylene/m-Xylene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
o-Xylene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Styrene	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
Bromoform	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107
1,1,2,2-Tetrachloroethane	U	ug/kg	5	17-AUG-01 18:20	EPA 8260	01-082-6107

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown Hydrocarbon	12	ug/kg	J	5
Unknown Hydrocarbon	8	ug/kg	J	20.5
Unknown Hydrocarbon	14	ug/kg	J	21.31
Dodecane	8	ug/kg	NJ	21.97
Decanal	32	ug/kg	NJ	22.69

Library Search Comment:Five library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	112	%	01-082-6107
Toluene-d8	111	%	01-082-6107
4-Bromofluorobenzene	111	%	01-082-6107

Analysis Comment:Analyzed outside of holding time.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-5 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1221	U	ug/kg	200	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1232	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1242	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1248	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1254	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671
PCB 1260	U	ug/kg	98	03-AUG-01 11:11	EPA 8082	01-124-7671

Extraction Information:

31-JUL-01 00:00 EPA 3540 01-114-22

Surrogate Recovery:

Tetrachloro-m-xylene	70	%	01-124-7671
Decachlorobiphenyl	102	%	01-124-7671

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Phenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Chlorophenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
1,3-Dichlorobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
1,4-Dichlorobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
1,2-Dichlorobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Bis(2-chloroisopropylether)	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Methylphenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Hexachloroethane	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
N-Nitrosodi-N-propylamine	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
3-Methylphenol/4-Methylphenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Nitrobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Isophorone	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Nitrophenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4-Dimethylphenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Bis(2-chloroethoxymethane)	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4-Dichlorophenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
1,2,4-Trichlorobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Naphthalene	200 J	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Chloroaniline	U	ug/kg	540	10-AUG-01 23:17	EPA 8270	01-063-2729
Hexachlorobutadiene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Chloro-3-methylphenol	U	ug/kg	540	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Methylnaphthalene	100 J	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Hexachlorocyclopentadiene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4,6-Trichlorophenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4,5-Trichlorophenol	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-5 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Nitroaniline	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
Dimethyl phthalate	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Acenaphthylene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,6-Dinitrotoluene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
3-Nitroaniline	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
Acenaphthene	130 J	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4-Dinitrophenol	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
Dibenzofuran	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
2,4-Dinitrotoluene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Nitrophenol	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
Diethyl phthalate	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Fluorene	120 J	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Chlorophenylphenylether	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Nitroaniline	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
N-Nitrosodiphenylamine	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
4-Bromophenylphenylether	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Hexachlorobenzene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Pentachlorophenol	U	ug/kg	1100	10-AUG-01 23:17	EPA 8270	01-063-2729
Phenanthrene	1000	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Anthracene	250 J	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Carbazole	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Di-n-butyl phthalate	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Fluoranthene	1400	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Pyrene	1500	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Butylbenzyl phthalate	650	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Benzo(a)anthracene	780	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
3,3-Dichlorobenzidine	U	ug/kg	540	10-AUG-01 23:17	EPA 8270	01-063-2729
Chrysene	760	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Bis-2-ethylhexyl phthalate	410	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Di-n-octyl phthalate	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Benzo(b)fluoranthene	940	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Benzo(k)fluoranthene	320	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Benzo(a)pyrene	640	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Indeno(1,2,3-cd)pyrene	590	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Dibenzo(a,h)anthracene	U	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729
Benzo(g,h,i)perylene	580	ug/kg	270	10-AUG-01 23:17	EPA 8270	01-063-2729

Results calculated on a dry weight basis.

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-5 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 11:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time	
Unknown (nitrogen)	1200	ug/kg	J	25.68	
Unknown (nitrogen)	1600	ug/kg	J	25.85	
Hexadecanoic acid	1500	ug/kg	JN	29.34	
Tetracosane	1700	ug/kg	JN	34.56	
Surrogate Recovery:					
Terphenyl-d14	94	%			01-063-2729
2-Fluorophenol	69	%			01-063-2729
Phenol-d5	79	%			01-063-2729
2,4,6-Tribromophenol	58	%			01-063-2729
Nitrobenzene-d5	69	%			01-063-2729
2-Fluorobiphenyl	69	%			01-063-2729

Analysis Comment: Results Calculated on a dry weight basis. Int std 4 below limit, confirm file # B2683.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-6 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 12:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	82.6	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	3.5	mg/kg	1.30	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	151	mg/kg	1.88	15-AUG-01 01:36	EPA 6010	01-096-11
Cadmium	1.41	mg/kg	0.588	15-AUG-01 01:36	EPA 6010	01-096-11
Chromium	17.5	mg/kg	1.18	15-AUG-01 01:36	EPA 6010	01-096-11
Lead	116	mg/kg	5.17	15-AUG-01 01:36	EPA 6010	01-096-11
Mercury	0.19	mg/kg	0.0620	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.520	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.18	15-AUG-01 01:36	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Vinyl chloride	U	ug/kg	2	17-AUG-01 18:52	EPA 8260	01-082-6108
Chloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Bromomethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,1-Dichloroethene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Acetone	U	ug/kg	29	17-AUG-01 18:52	EPA 8260	01-082-6108
Carbon disulfide	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Methylene chloride	11 B	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
trans-1,2-Dichloroethene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,1-Dichloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
cis-1,2-Dichloroethene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
MEK(2-Butanone)	U	ug/kg	29	17-AUG-01 18:52	EPA 8260	01-082-6108
Chloroform	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,1,1-Trichloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Carbon tetrachloride	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Benzene	U	ug/kg	0.8	17-AUG-01 18:52	EPA 8260	01-082-6108
1,2-Dichloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Trichloroethene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,2-Dichloropropane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Bromodichloromethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
cis-1,3-Dichloropropene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	17-AUG-01 18:52	EPA 8260	01-082-6108

Results calculated on a dry weight basis.

Page 70 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-6 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 12:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
trans-1,3-Dichloropropene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,1,2-Trichloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Tetrachloroethene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
2-Hexanone	U	ug/kg	12	17-AUG-01 18:52	EPA 8260	01-082-6108
Dibromochloromethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Chlorobenzene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Ethylbenzene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
p-Xylene/m-Xylene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
o-Xylene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Styrene	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
Bromoform	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108
1,1,2,2-Tetrachloroethane	U	ug/kg	6	17-AUG-01 18:52	EPA 8260	01-082-6108

Library Search Compounds:	Result	Units	Qual	Retention Time
Hexane	9	ug/kg	NJ	5.01
Unknown Hydrocarbon	6	ug/kg	J	21.39
Decanal	19	ug/kg	NJ	22.69

Library Search Comment:Three library search compounds detected.

Surrogate Recovery:			
Dibromofluoromethane	114	%	01-082-6108
Toluene-d8	107	%	01-082-6108
4-Bromofluorobenzene	117	%	01-082-6108

Analysis Comment:Analyzed outside of holding time.Internal standard 4 recovery below limits. Confirmed by file01-082-6161.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:04-SEP-2001

Lab Sample ID: L73300-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-6 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 12:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1221	U	ug/kg	230	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1232	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1242	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1248	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1254	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672
PCB 1260	U	ug/kg	120	03-AUG-01 11:42	EPA 8082	01-124-7672

Extraction Information:

31-JUL-01 00:00 EPA 3540 01-114-22

Surrogate Recovery:

Tetrachloro-m-xylene	77	%	01-124-7672
Decachlorobiphenyl	109	%	01-124-7672

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Phenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Chlorophenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
1,3-Dichlorobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
1,4-Dichlorobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
1,2-Dichlorobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Bis(2-chloroisopropylether)	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Methylphenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Hexachloroethane	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
N-Nitrosodi-N-propylamine	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
3-Methylphenol/4-Methylphenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Nitrobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Isophorone	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Nitrophenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4-Dimethylphenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Bis(2-chloroethoxymethane)	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4-Dichlorophenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
1,2,4-Trichlorobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Naphthalene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Chloroaniline	U	ug/kg	600	09-AUG-01 16:37	EPA 8270	01-071-2766
Hexachlorobutadiene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Chloro-3-methylphenol	U	ug/kg	600	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Methylnaphthalene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Hexachlorocyclopentadiene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4,6-Trichlorophenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4,5-Trichlorophenol	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-6 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 12:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Nitroaniline	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
Dimethyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Acenaphthylene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,6-Dinitrotoluene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
3-Nitroaniline	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
Acenaphthene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4-Dinitrophenol	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
Dibenzofuran	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
2,4-Dinitrotoluene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Nitrophenol	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
Diethyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Fluorene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Chlorophenylphenylether	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Nitroaniline	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
N-Nitrosodiphenylamine	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
4-Bromophenylphenylether	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Hexachlorobenzene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Pentachlorophenol	U	ug/kg	1200	09-AUG-01 16:37	EPA 8270	01-071-2766
Phenanthrene	310	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Anthracene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Carbazole	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Di-n-butyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Fluoranthene	640	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Pyrene	1200	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Butylbenzyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Benzo(a)anthracene	340	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
3,3-Dichlorobenzidine	U	ug/kg	600	09-AUG-01 16:37	EPA 8270	01-071-2766
Chrysene	390	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Bis-2-ethylhexyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Di-n-octyl phthalate	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Benzo(b)fluoranthene	530	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Benzo(k)fluoranthene	190 J	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Benzo(a)pyrene	370	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Indeno(1,2,3-cd)pyrene	260 J	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Dibenzo(a,h)anthracene	U	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766
Benzo(g,h,i)perylene	310	ug/kg	300	09-AUG-01 16:37	EPA 8270	01-071-2766

Results calculated on a dry weight basis.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-6 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 12:35 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown	640	ug/kg	J	23.74
1,1-(1,2-cyclobutanediyl) benzene	950	ug/kg	J	24.19
Unknown Nitrile	460	ug/kg	J	28.97
Docosane	570	ug/kg	J	29.75
Unknown Aromatic	10000	ug/kg	J	32.67
Hexatriacontane	460	ug/kg	J	34.97
Unknown Aromatic	700	ug/kg	J	35.4
Hexadecyl Oxirane	520	ug/kg	J	36.29
Tetracosane	910	ug/kg	J	36.79
Heneicosane	720	ug/kg	J	38.57
Unknown Acid	550	ug/kg	J	39.12

Library Search Comment:11 library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	94	%	01-071-2766
2-Fluorophenol	47	%	01-071-2766
Phenol-d5	50	%	01-071-2766
2,4,6-Tribromophenol	50	%	01-071-2766
Nitrobenzene-d5	49	%	01-071-2766
2-Fluorobiphenyl	49	%	01-071-2766

Analysis Comment:Results Calculated on a dry weight basis. Internal standards 5 and 6 recovery below limits.
Confirmed by file A2755.

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-7 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 13:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	88	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	3.8	mg/kg	1.20	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	370	mg/kg	1.78	15-AUG-01 01:39	EPA 6010	01-096-11
Cadmium	1.53	mg/kg	0.557	15-AUG-01 01:39	EPA 6010	01-096-11
Chromium	66.4	mg/kg	1.11	15-AUG-01 01:39	EPA 6010	01-096-11
Lead	582	mg/kg	4.90	15-AUG-01 01:39	EPA 6010	01-096-11
Mercury	2.1	mg/kg	0.0570	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.490	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.11	15-AUG-01 01:39	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Vinyl chloride	U	ug/kg	2	28-AUG-01 22:37	EPA 8260	01-082-6183
Chloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Bromomethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,1-Dichloroethene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Acetone	U	ug/kg	25	28-AUG-01 22:37	EPA 8260	01-082-6183
Carbon disulfide	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Methylene chloride	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
trans-1,2-Dichloroethene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,1-Dichloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
cis-1,2-Dichloroethene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
MEK(2-Butanone)	U	ug/kg	25	28-AUG-01 22:37	EPA 8260	01-082-6183
Chloroform	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,1,1-Trichloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Carbon tetrachloride	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Benzene	U	ug/kg	0.7	28-AUG-01 22:37	EPA 8260	01-082-6183
1,2-Dichloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Trichloroethene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,2-Dichloropropane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Bromodichloromethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
cis-1,3-Dichloropropene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	28-AUG-01 22:37	EPA 8260	01-082-6183

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-7 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 13:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
trans-1,3-Dichloropropene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,1,2-Trichloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Tetrachloroethene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
2-Hexanone	U	ug/kg	10	28-AUG-01 22:37	EPA 8260	01-082-6183
Dibromochloromethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Chlorobenzene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Ethylbenzene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
p-Xylene/m-Xylene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
o-Xylene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Styrene	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
Bromoform	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183
1,1,2,2-Tetrachloroethane	U	ug/kg	5	28-AUG-01 22:37	EPA 8260	01-082-6183

Library Search Compounds:	Result	Units	Qual	Retention Time
Hexane	35	ug/kg	NJB	5.19
Unknown Hydrocarbon	7	ug/kg	J	6.39
Unknown Acid	7	ug/kg	J	4.31
Unknown	5	ug/kg	J	11.27

Library Search Comment:Four library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	133	*	%	01-082-6183
Toluene-d8	120	*	%	01-082-6183
4-Bromofluorobenzene	144	*	%	01-082-6183

Analysis Comment:Sample analyzed past holding time. Internal standard 3,4 recovery below limits. Results confirmed 01-082-6072. Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:04-SEP-2001

Lab Sample ID: L73300-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-7 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 13:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1221	U	ug/kg	220	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1232	U	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1242	U	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1248	U	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1254	290	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
PCB 1260	U	ug/kg	110	03-AUG-01 12:13	EPA 8082	01-124-7673
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22
Surrogate Recovery:						
Tetrachloro-m-xylene	77	%				01-124-7673
Decachlorobiphenyl	114	%				01-124-7673
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Phenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Chlorophenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
1,3-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
1,4-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
1,2-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Bis(2-chloroisopropylether)	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Methylphenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Hexachloroethane	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
N-Nitrosodi-N-propylamine	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
3-Methylphenol/4-Methylphenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Nitrobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Isophorone	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Nitrophenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4-Dimethylphenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Bis(2-chloroethoxymethane)	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4-Dichlorophenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
1,2,4-Trichlorobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Naphthalene	340 J	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Chloroaniline	U	ug/kg	2800	11-AUG-01 01:16	EPA 8270	01-063-2731
Hexachlorobutadiene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Chloro-3-methylphenol	U	ug/kg	2800	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Methylnaphthalene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Hexachlorocyclopentadiene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4,6-Trichlorophenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4,5-Trichlorophenol	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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Date:04-SEP-2001

Lab Sample ID: L73300-17

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Sample Source: 153 FILLMORE AVENUE
Origin: SS-7 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 13:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Nitroaniline	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
Dimethyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Acenaphthylene	470 J	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,6-Dinitrotoluene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
3-Nitroaniline	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
Acenaphthene	360 J	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4-Dinitrophenol	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
Dibenzofuran	390 J	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
2,4-Dinitrotoluene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Nitrophenol	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
Diethyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Fluorene	690 J	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Chlorophenylphenylether	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Nitroaniline	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
2-Methyl-4,6-dinitrophenol	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
N-Nitrosodiphenylamine	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
4-Bromophenylphenylether	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Hexachlorobenzene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Pentachlorophenol	U	ug/kg	5700	11-AUG-01 01:16	EPA 8270	01-063-2731
Phenanthrene	6300	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Anthracene	1900	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Carbazole	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Di-n-butyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Fluoranthene	8300	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Pyrene	12000	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Butylbenzyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Benzo(a)anthracene	4500	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
3,3-Dichlorobenzidine	U	ug/kg	2800	11-AUG-01 01:16	EPA 8270	01-063-2731
Chrysene	3700	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Bis-2-ethylhexyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Di-n-octyl phthalate	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Benzo(b)fluoranthene	5300	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Benzo(k)fluoranthene	1800	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Benzo(a)pyrene	4800	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Indeno(1,2,3-cd)pyrene	4600	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Dibenzo(a,h)anthracene	U	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731
Benzo(g,h,i)perylene	4600	ug/kg	1400	11-AUG-01 01:16	EPA 8270	01-063-2731

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-7 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 13:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time	
Unknown ketone	2600	ug/kg	J	30.38	
Unknown PAH	1800	ug/kg	J	31.36	
Unknown PAH	1400	ug/kg	J	32.91	
Benzo (e) pyrene	3400	ug/kg	JN	39.81	
Surrogate Recovery:					
Terphenyl-d14	23	%			01-063-2731
2-Fluorophenol	14	%			01-063-2731
Phenol-d5	15	%			01-063-2731
2,4,6-Tribromophenol	12	%			01-063-2731
Nitrobenzene-d5	13	%			01-063-2731
2-Fluorobiphenyl	14	%			01-063-2731

Analysis Comment:Results Calculated on a dry weight basis. Int std 3,4 below limit, confirm file # B2770.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-8 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	86.7	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	4.6	mg/kg	1.40	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	289	mg/kg	1.77	15-AUG-01 01:42	EPA 6010	01-096-11
Cadmium	1.48	mg/kg	0.555	15-AUG-01 01:42	EPA 6010	01-096-11
Chromium	64.3	mg/kg	1.11	15-AUG-01 01:42	EPA 6010	01-096-11
Lead	554	mg/kg	4.88	15-AUG-01 01:42	EPA 6010	01-096-11
Mercury	0.6	mg/kg	0.0480	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.560	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.11	15-AUG-01 01:42	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Vinyl chloride	U	ug/kg	2	17-AUG-01 19:24	EPA 8260	01-082-6109
Chloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Bromomethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,1-Dichloroethene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Acetone	U	ug/kg	27	17-AUG-01 19:24	EPA 8260	01-082-6109
Carbon disulfide	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Methylene chloride	15 B	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
trans-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,1-Dichloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
cis-1,2-Dichloroethene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
MEK(2-Butanone)	U	ug/kg	27	17-AUG-01 19:24	EPA 8260	01-082-6109
Chloroform	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,1,1-Trichloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Carbon tetrachloride	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Benzene	U	ug/kg	0.8	17-AUG-01 19:24	EPA 8260	01-082-6109
1,2-Dichloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Trichloroethene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,2-Dichloropropane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Bromodichloromethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
cis-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	17-AUG-01 19:24	EPA 8260	01-082-6109

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-8 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
trans-1,3-Dichloropropene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,1,2-Trichloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Tetrachloroethene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
2-Hexanone	U	ug/kg	11	17-AUG-01 19:24	EPA 8260	01-082-6109
Dibromochloromethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Chlorobenzene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Ethylbenzene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
p-Xylene/m-Xylene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
o-Xylene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Styrene	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
Bromoform	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109
1,1,2,2-Tetrachloroethane	U	ug/kg	5	17-AUG-01 19:24	EPA 8260	01-082-6109

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown Hydrocarbon	14	ug/kg	J	4.99
Unknown Hydrocarbon	9	ug/kg	J	21.4
Decanal	31	ug/kg	NJ	22.86

Library Search Comment:Three library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	120	%	01-082-6109
Toluene-d8	123	*	01-082-6109
4-Bromofluorobenzene	137	%	01-082-6109

Analysis Comment:*Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high. Analyzed outside of holding time. Int. std. 1,2,3,4 recovery below limits.
Confirm 01-082-6160.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-8 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1221	U	ug/kg	220	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1232	U	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1242	U	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1248	U	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1254	340	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674
PCB 1260	U	ug/kg	110	03-AUG-01 12:44	EPA 8082	01-124-7674

Extraction Information:

31-JUL-01 00:00 EPA 3540 01-114-22

Surrogate Recovery:

Tetrachloro-m-xylene	66	%	01-124-7674
Decachlorobiphenyl	102	%	01-124-7674

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Phenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Chlorophenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
1,3-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
1,4-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
1,2-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Bis(2-chloroisopropylether)	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Methylphenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Hexachloroethane	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
N-Nitrosodi-N-propylamine	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
3-Methylphenol/4-Methylphenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Nitrobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Isophorone	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Nitrophenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4-Dimethylphenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Bis(2-chloroethoxymethane)	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4-Dichlorophenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
1,2,4-Trichlorobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Naphthalene	890 J	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Chloroaniline	U	ug/kg	8600	09-AUG-01 18:27	EPA 8270	01-071-2768
Hexachlorobutadiene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Chloro-3-methylphenol	U	ug/kg	8600	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Methylnaphthalene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Hexachlorocyclopentadiene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4,6-Trichlorophenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4,5-Trichlorophenol	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768

Results calculated on a dry weight basis.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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Date:04-SEP-2001

Lab Sample ID: L73300-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-8 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Nitroaniline	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
Dimethyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Acenaphthylene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,6-Dinitrotoluene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
3-Nitroaniline	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
Acenaphthene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4-Dinitrophenol	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
Dibenzofuran	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
2,4-Dinitrotoluene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Nitrophenol	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
Diethyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Fluorene	980 J	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Chlorophenylphenylether	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Nitroaniline	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
2-Methyl-4,6-dinitrophenol	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
N-Nitrosodiphenylamine	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
4-Bromophenylphenylether	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Hexachlorobenzene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Pentachlorophenol	U	ug/kg	17000	09-AUG-01 18:27	EPA 8270	01-071-2768
Phenanthrene	7500	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Anthracene	1700 J	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Carbazole	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Di-n-butyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Fluoranthene	7800	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Pyrene	18000	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Butylbenzyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Benzo(a)anthracene	4500	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
3,3-Dichlorobenzidine	U	ug/kg	8600	09-AUG-01 18:27	EPA 8270	01-071-2768
Chrysene	4600	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Bis-2-ethylhexyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Di-n-octyl phthalate	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Benzo(b)fluoranthene	5500	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Benzo(k)fluoranthene	2000 J	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Benzo(a)pyrene	4400	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Indeno(1,2,3-cd)pyrene	3600 J	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Dibenzo(a,h)anthracene	U	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768
Benzo(g,h,i)perylene	4900	ug/kg	4300	09-AUG-01 18:27	EPA 8270	01-071-2768

Results calculated on a dry weight basis.

Page 83 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-8 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time	
Benzo (e) pyrene	4500	ug/kg	J	36.9	
Surrogate Recovery:					
Terphenyl-d14	150	D	%		01-071-2768
2-Fluorophenol	58		%		01-071-2768
Phenol-d5	61		%		01-071-2768
2,4,6-Tribromophenol	57		%		01-071-2768
Nitrobenzene-d5	58		%		01-071-2768
2-Fluorobiphenyl	66		%		01-071-2768

Analysis Comment: Results Calculated on a dry weight basis. Internal standards 5 and 6 recoveries below limits.
Confirmed by file A2757.

Results calculated on a dry weight basis.

Page 84 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-9 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	86.3	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	8.7	mg/kg	2.70	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	1030	mg/kg	1.75	15-AUG-01 01:45	EPA 6010	01-096-11
Cadmium	3.39	mg/kg	0.547	15-AUG-01 01:45	EPA 6010	01-096-11
Chromium	185	mg/kg	1.09	15-AUG-01 01:45	EPA 6010	01-096-11
Lead	587	mg/kg	4.81	15-AUG-01 01:45	EPA 6010	01-096-11
Mercury	0.26	mg/kg	0.0510	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.550	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.09	15-AUG-01 01:45	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Vinyl chloride	U	ug/kg	2	27-AUG-01 21:41	EPA 8260	01-082-6166
Chloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Bromomethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,1-Dichloroethene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Acetone	U	ug/kg	25	27-AUG-01 21:41	EPA 8260	01-082-6166
Carbon disulfide	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Methylene chloride	17	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
trans-1,2-Dichloroethene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,1-Dichloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
cis-1,2-Dichloroethene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
MEK(2-Butanone)	U	ug/kg	25	27-AUG-01 21:41	EPA 8260	01-082-6166
Chloroform	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,1,1-Trichloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Carbon tetrachloride	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Benzene	U	ug/kg	0.7	27-AUG-01 21:41	EPA 8260	01-082-6166
1,2-Dichloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Results calculated on a dry weight basis.						

Page 85 of 122

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-9 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,2-Dichloropropane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Bromodichloromethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
cis-1,3-Dichloropropene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	27-AUG-01 21:41	EPA 8260	01-082-6166
Toluene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
trans-1,3-Dichloropropene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,1,2-Trichloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Tetrachloroethene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
2-Hexanone	U	ug/kg	10	27-AUG-01 21:41	EPA 8260	01-082-6166
Dibromochloromethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Chlorobenzene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Ethylbenzene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
p-Xylene/m-Xylene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
o-Xylene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Styrene	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
Bromoform	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166
1,1,2,2-Tetrachloroethane	U	ug/kg	5	27-AUG-01 21:41	EPA 8260	01-082-6166

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown	12	ug/kg	J	5.25

Library Search Comment:One library search compound detected.

Surrogate Recovery:

Dibromofluoromethane	132	*	%	01-082-6166
Toluene-d8	121	*	%	01-082-6166
4-Bromofluorobenzene	146	*	%	01-082-6166

Analysis Comment:Internal Standard 1,2,3,4 recovery below limits. Results confirmed 01082-6069. Sample analyzed past holding time. *Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high.

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-9 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1221	U	ug/kg	230	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1232	U	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1242	U	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1248	U	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1254	U	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
PCB 1260	510	ug/kg	110	03-AUG-01 13:16	EPA 8082	01-124-7675
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22
Surrogate Recovery:						
Tetrachloro-m-xylene	50	%				01-124-7675
Decachlorobiphenyl	216	%				01-124-7675
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Phenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Chlorophenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
1,3-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
1,4-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
1,2-Dichlorobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Bis(2-chloroisopropylether)	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Methylphenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Hexachloroethane	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
N-Nitrosodi-N-propylamine	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
3-Methylphenol/4-Methylphenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Nitrobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Isophorone	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Nitrophenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4-Dimethylphenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Bis(2-chloroethoxymethane)	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4-Dichlorophenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
1,2,4-Trichlorobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Naphthalene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Chloroaniline	U	ug/kg	8600	09-AUG-01 19:22	EPA 8270	01-071-2769
Hexachlorobutadiene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Chloro-3-methylphenol	U	ug/kg	8600	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Methylnaphthalene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Hexachlorocyclopentadiene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4,6-Trichlorophenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4,5-Trichlorophenol	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Results calculated on a dry weight basis.						

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-9 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Nitroaniline	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
Dimethyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Acenaphthylene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,6-Dinitrotoluene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
3-Nitroaniline	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
Acenaphthene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4-Dinitrophenol	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
Dibenzofuran	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
2,4-Dinitrotoluene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Nitrophenol	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
Diethyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Fluorene	2500 J	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Chlorophenylphenylether	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Nitroaniline	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
2-Methyl-4,6-dinitrophenol	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
N-Nitrosodiphenylamine	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
4-Bromophenylphenylether	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Hexachlorobenzene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Pentachlorophenol	U	ug/kg	17000	09-AUG-01 19:22	EPA 8270	01-071-2769
Phenanthrene	15000	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Anthracene	4500	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Carbazole	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Di-n-butyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Fluoranthene	13000	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Pyrene	36000	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Butylbenzyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Benzo(a)anthracene	8900	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
3,3-Dichlorobenzidine	U	ug/kg	8600	09-AUG-01 19:22	EPA 8270	01-071-2769
Chrysene	8800	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Bis-2-ethylhexyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Di-n-octyl phthalate	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Benzo(b)fluoranthene	8700	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Benzo(k)fluoranthene	3900 J	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Benzo(a)pyrene	7200	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Indeno(1,2,3-cd)pyrene	5700	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Dibenzo(a,h)anthracene	U	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769
Benzo(g,h,i)perylene	6900	ug/kg	4300	09-AUG-01 19:22	EPA 8270	01-071-2769

Results calculated on a dry weight basis.

Page 88 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-9 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
<u>Extraction Information:</u>				02-AUG-01 00:00	3550	01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown PAH	3700	ug/kg	J	26.63
11H-Benzo(b)fluorene	5300	ug/kg	J	30.31
11H-Benzo(a)fluorene	3500	ug/kg	J	30.52
Unknown PAH	4400	ug/kg	J	36.91

Surrogate Recovery:

Terphenyl-d14	180	D	%	01-071-2769
2-Fluorophenol	69		%	01-071-2769
Phenol-d5	69		%	01-071-2769
2,4,6-Tribromophenol	70		%	01-071-2769
Nitrobenzene-d5	68		%	01-071-2769
2-Fluorobiphenyl	72		%	01-071-2769

Analysis Comment: Results Calculated on a dry weight basis. Internal standards 5 and 6 recovery below limits.
Confirmed by file A2758.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-10 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	95.5	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	4.6	mg/kg	1.20	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	429	mg/kg	1.42	15-AUG-01 01:54	EPA 6010	01-096-11
Cadmium	2.43	mg/kg	0.444	15-AUG-01 01:54	EPA 6010	01-096-11
Chromium	32.6	mg/kg	0.887	15-AUG-01 01:54	EPA 6010	01-096-11
Lead	687	mg/kg	3.90	15-AUG-01 01:54	EPA 6010	01-096-11
Mercury	0.15	mg/kg	0.0520	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.500	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	0.887	15-AUG-01 01:54	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Vinyl chloride	U	ug/kg	2	27-AUG-01 17:55	EPA 8260	01-082-6159
Chloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Bromomethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,1-Dichloroethene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Acetone	U	ug/kg	23	27-AUG-01 17:55	EPA 8260	01-082-6159
Carbon disulfide	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Methylene chloride	12	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
trans-1,2-Dichloroethene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,1-Dichloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
cis-1,2-Dichloroethene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
MEK(2-Butanone)	U	ug/kg	23	27-AUG-01 17:55	EPA 8260	01-082-6159
Chloroform	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,1,1-Trichloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Carbon tetrachloride	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Benzene	U	ug/kg	0.6	27-AUG-01 17:55	EPA 8260	01-082-6159
1,2-Dichloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159

Results calculated on a dry weight basis.

Page 90 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-10 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,2-Dichloropropane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Bromodichloromethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
cis-1,3-Dichloropropene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
MIBK(4-Methyl-2-pentanone)	U	ug/kg	9	27-AUG-01 17:55	EPA 8260	01-082-6159
Toluene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
trans-1,3-Dichloropropene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,1,2-Trichloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Tetrachloroethene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
2-Hexanone	U	ug/kg	9	27-AUG-01 17:55	EPA 8260	01-082-6159
Dibromochloromethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Chlorobenzene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Ethylbenzene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
p-Xylene/m-Xylene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
o-Xylene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Styrene	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
Bromoform	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159
1,1,2,2-Tetrachloroethane	U	ug/kg	5	27-AUG-01 17:55	EPA 8260	01-082-6159

Library Search Compounds:	Result	Units	Qual	Retention Time
Undecane	49	ug/kg	NJ	20.7
Unknown Hydrocarbon	29	ug/kg	J	20.98
Unknown Hydrocarbon	13	ug/kg	J	21.16
Unknown Hydrocarbon	19	ug/kg	J	21.36
Unknown Hydrocarbon	44	ug/kg	J	21.57
Unknown Hydrocarbon	17	ug/kg	J	21.78
Dodecane	46	ug/kg	NJ	22.15
Unknown Hydrocarbon	31	ug/kg	J	22.34
Unknown Hydrocarbon	28	ug/kg	J	22.86
Unknown	5	ug/kg	J	5.25

Library Search Comment:10 library search compounds detected.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-10 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	106	%				01-082-6159
Toluene-d8	118 *	%				01-082-6159
4-Bromofluorobenzene	112	%				01-082-6159

Analysis Comment: Internal Standard 3,4 recovery below acceptance limits. Results confirmed 01-082-6110. Sample analyzed past holding time. * Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high

EPA 8082

PCB 1016	U	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1221	U	ug/kg	210	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1232	U	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1242	U	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1248	U	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1254	U	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676
PCB 1260	1400	ug/kg	100	03-AUG-01 13:47	EPA 8082	01-124-7676

Extraction Information:

31-JUL-01 00:00 EPA 3540 01-114-22

Surrogate Recovery:						
Tetrachloro-m-xylene	60	%				01-124-7676
Decachlorobiphenyl	105	%				01-124-7676

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Phenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Chlorophenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
1,3-Dichlorobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
1,4-Dichlorobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
1,2-Dichlorobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Bis(2-chloroisopropylether)	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Methylphenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Hexachloroethane	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
N-Nitrosodi-N-propylamine	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
3-Methylphenol/4-Methylphenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Nitrobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Isophorone	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Nitrophenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-10 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dimethylphenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Bis(2-chloroethoxymethane)	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,4-Dichlorophenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
1,2,4-Trichlorobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Naphthalene	18000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Chloroaniline	U	ug/kg	26000	07-AUG-01 23:52	EPA 8270	01-071-2748
Hexachlorobutadiene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Chloro-3-methylphenol	U	ug/kg	26000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Methylnaphthalene	6600 J	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Hexachlorocyclopentadiene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,4,6-Trichlorophenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,4,5-Trichlorophenol	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Chloronaphthalene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Nitroaniline	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
Dimethyl phthalate	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Acenaphthylene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,6-Dinitrotoluene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
3-Nitroaniline	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
Acenaphthene	15000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,4-Dinitrophenol	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
Dibenzofuran	11000 J	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
2,4-Dinitrotoluene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Nitrophenol	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
Diethyl phthalate	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Fluorene	18000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Chlorophenylphenylether	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Nitroaniline	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
2-Methyl-4,6-dinitrophenol	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
N-Nitrosodiphenylamine	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
4-Bromophenylphenylether	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Hexachlorobenzene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Pentachlorophenol	U	ug/kg	52000	07-AUG-01 23:52	EPA 8270	01-071-2748
Phenanthrene	130000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Anthracene	38000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Carbazole	20000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Di-n-butyl phthalate	3600 J	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Fluoranthene	150000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Pyrene	130000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Butylbenzyl phthalate	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Benzo(a)anthracene	65000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
3,3-Dichlorobenzidine	U	ug/kg	26000	07-AUG-01 23:52	EPA 8270	01-071-2748
Chrysene	63000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Bis-2-ethylhexyl phthalate	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748

Results calculated on a dry weight basis.

Page 93 of 122

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-10 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Di-n-octyl phthalate	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Benzo(b)fluoranthene	80000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Benzo(k)fluoranthene	33000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Benzo(a)pyrene	57000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Indeno(1,2,3-cd)pyrene	21000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Dibenzo(a,h)anthracene	U	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748
Benzo(g,h,i)perylene	24000	ug/kg	13000	07-AUG-01 23:52	EPA 8270	01-071-2748

Extraction Information:

02-AUG-01 00:00 3550 01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time	
1-Methyl Anthracene	14000	ug/kg	J	26.2	
2-Methyl Anthracene	17000	ug/kg	J	26.28	
Unknown Cyclic	27000	ug/kg	J	26.52	
2-Phenylanthracene	11000	ug/kg	J	27.2	
2-Methyl Pyrene	14000	ug/kg	J	30.19	
Benzo (e) Pyrene	20000	ug/kg	J	36.31	
Benzo (k) Pyrene	47000	ug/kg	J	36.76	
Unknown Aldehyde	12000	ug/kg	J	37.55	
Surrogate Recovery:					
Terphenyl-d14	19	D	%		01-071-2748
2-Fluorophenol	12	D	%		01-071-2748
Phenol-d5	14	D	%		01-071-2748
2,4,6-Tribromophenol	13	D	%		01-071-2748
Nitrobenzene-d5	12	D	%		01-071-2748
2-Fluorobiphenyl	16	D	%		01-071-2748

Analysis Comment:Results Calculated on a dry weight basis. Int std 6 recovery below limit.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-11 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	88.2	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	4.4	mg/kg	1.30	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	712	mg/kg	1.76	15-AUG-01 01:57	EPA 6010	01-096-11
Cadmium	2.33	mg/kg	0.550	15-AUG-01 01:57	EPA 6010	01-096-11
Chromium	183	mg/kg	1.10	15-AUG-01 01:57	EPA 6010	01-096-11
Lead	1750	mg/kg	4.84	15-AUG-01 01:57	EPA 6010	01-096-11
Mercury	0.41	mg/kg	0.0530	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.520	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.10	15-AUG-01 01:57	EPA 6010	01-096-11
EPA 8260						
Chloromethane	5 B	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Vinyl chloride	U	ug/kg	2	15-AUG-01 21:23	EPA 8260	01-082-6075
Chloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Bromomethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,1-Dichloroethene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Acetone	U	ug/kg	26	15-AUG-01 21:23	EPA 8260	01-082-6075
Carbon disulfide	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Methylene chloride	7	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
trans-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,1-Dichloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
cis-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
MEK(2-Butanone)	U	ug/kg	26	15-AUG-01 21:23	EPA 8260	01-082-6075
Chloroform	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,1,1-Trichloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Carbon tetrachloride	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Benzene	U	ug/kg	0.7	15-AUG-01 21:23	EPA 8260	01-082-6075
1,2-Dichloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Results calculated on a dry weight basis.						

Page 95 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-11 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,2-Dichloropropane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Bromodichloromethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
cis-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
MIBK(4-Methyl-2-pentanone)	U	ug/kg	10	15-AUG-01 21:23	EPA 8260	01-082-6075
Toluene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
trans-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,1,2-Trichloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Tetrachloroethene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
2-Hexanone	U	ug/kg	10	15-AUG-01 21:23	EPA 8260	01-082-6075
Dibromochloromethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Chlorobenzene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Ethylbenzene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
p-Xylene/m-Xylene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
o-Xylene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Styrene	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
Bromoform	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075
1,1,2,2-Tetrachloroethane	U	ug/kg	5	15-AUG-01 21:23	EPA 8260	01-082-6075

Library Search Compounds:	Result	Units	Qual	Retention Time
2-ethyl-1,4-dimethylBenzene	270	ug/kg	JN	20.9
1-methyl-2-(1-methylethyl)Benzene	88	ug/kg	JN	21.32
1,2,3,5-tetramethylBenzene	290	ug/kg	JN	21.45
1,2,4,5-tetramethylBenzene	700	ug/kg	JN	21.52
Unknown Amine	110	ug/kg	J	21.69
Unknown Aromatic	500	ug/kg	J	22.05
Unknown Aromatic	110	ug/kg	J	22.17
2,4-dimethyl-1-(1-methylethyl)Benzene	250	ug/kg	JN	22.5
ethyl-1,2,4-trimethylBenzene	160	ug/kg	JN	22.64
pentamethylBenzene	190	ug/kg	JN	23.55

Surrogate Recovery:

Dibromofluoromethane	126	*	‡	01-082-6075
Toluene-d8	120	*	‡	01-082-6075
4-Bromofluorobenzene	128		‡	01-082-6075

Analysis Comment: B - Analyte detected in method blank. * - Surrogate recovery above limits. Int std 3,4 below limit, confirm file # C6077 & C6078. Sample analyzed past holding time.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-11 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1221	U	ug/kg	210	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1232	U	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1242	U	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1248	U	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1254	320	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
PCB 1260	U	ug/kg	110	03-AUG-01 14:18	EPA 8082	01-124-7677
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22
Surrogate Recovery:						
Tetrachloro-m-xylene	69	%				01-124-7677
Decachlorobiphenyl	91	%				01-124-7677
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Phenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Chlorophenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
1,3-Dichlorobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
1,4-Dichlorobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
1,2-Dichlorobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Bis(2-chloroisopropylether)	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Methylphenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Hexachloroethane	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
N-Nitrosodi-N-propylamine	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
3-Methylphenol/4-Methylphenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Nitrobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Isophorone	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Nitrophenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4-Dimethylphenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Bis(2-chloroethoxymethane)	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4-Dichlorophenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
1,2,4-Trichlorobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Naphthalene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Chloroaniline	U	ug/kg	570	10-AUG-01 11:09	EPA 8270	01-071-2773
Hexachlorobutadiene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Chloro-3-methylphenol	U	ug/kg	570	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Methylnaphthalene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Hexachlorocyclopentadiene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4,6-Trichlorophenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4,5-Trichlorophenol	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Results calculated on a dry weight basis.						

Page 97 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-11 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Nitroaniline	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
Dimethyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Acenaphthylene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,6-Dinitrotoluene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
3-Nitroaniline	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
Acenaphthene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4-Dinitrophenol	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
Dibenzofuran	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
2,4-Dinitrotoluene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Nitrophenol	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
Diethyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Fluorene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Chlorophenylphenylether	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Nitroaniline	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
2-Methyl-4,6-dinitrophenol	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
N-Nitrosodiphenylamine	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
4-Bromophenylphenylether	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Hexachlorobenzene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Pentachlorophenol	U	ug/kg	1100	10-AUG-01 11:09	EPA 8270	01-071-2773
Phenanthrene	140 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Anthracene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Carbazole	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Di-n-butyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Fluoranthene	280 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Pyrene	300	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Butylbenzyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Benzo(a)anthracene	140 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
3,3-Dichlorobenzidine	U	ug/kg	570	10-AUG-01 11:09	EPA 8270	01-071-2773
Chrysene	160 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Bis-2-ethylhexyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Di-n-octyl phthalate	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Benzo(b)fluoranthene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Benzo(k)fluoranthene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Benzo(a)pyrene	140 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Indeno(1,2,3-cd)pyrene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Dibenzo(a,h)anthracene	U	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773
Benzo(g,h,i)perylene	100 J	ug/kg	280	10-AUG-01 11:09	EPA 8270	01-071-2773

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-11 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

02-AUG-01 00:00 3550

01-068-69

Library Search Compounds:

Result	Units	Qual	Retention Time
Hexadecanoic Acid	560	ug/kg	JN 26.74
Octadecanoic Acid	320	ug/kg	JN 29.19
Unknown	330	ug/kg	J 31.73
Pentacosane	250	ug/kg	JN 34.76
Tetracontane	480	ug/kg	JN 35.69
Hexatriacontane	1300	ug/kg	JN 36.58
Heptacosane	410	ug/kg	JN 38.32

Surrogate Recovery:

Terphenyl-d14	110	%	01-071-2773
2-Fluorophenol	84	%	01-071-2773
Phenol-d5	88	%	01-071-2773
2,4,6-Tribromophenol	94	%	01-071-2773
Nitrobenzene-d5	84	%	01-071-2773
2-Fluorobiphenyl	87	%	01-071-2773

Analysis Comment:Results Calculated on a dry weight basis. Internal standard 6 recovery below limits. Confirmed by file A2775.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MS, SS-11 (0-6")
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	6.2	mg/kg	1.30	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	663	mg/kg	1.79	15-AUG-01 02:00	EPA 6010	01-096-11
Cadmium	7.23	mg/kg	0.561	15-AUG-01 02:00	EPA 6010	01-096-11
Chromium	154	mg/kg	1.12	15-AUG-01 02:00	EPA 6010	01-096-11
Lead	1250	mg/kg	4.94	15-AUG-01 02:00	EPA 6010	01-096-11
Mercury	0.66	mg/kg	0.0540	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	0.96	mg/kg	0.530	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	5.58	mg/kg	1.12	15-AUG-01 02:00	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Vinyl chloride	U	ug/kg	2	15-AUG-01 22:27	EPA 8260	01-082-6076
Chloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Bromomethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
1,1-Dichloroethene	66	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Acetone	U	ug/kg	27	15-AUG-01 22:27	EPA 8260	01-082-6076
Carbon disulfide	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Methylene chloride	8	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
trans-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
1,1-Dichloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
cis-1,2-Dichloroethene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
MEK(2-Butanone)	U	ug/kg	27	15-AUG-01 22:27	EPA 8260	01-082-6076
Chloroform	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
1,1,1-Trichloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Carbon tetrachloride	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Benzene	58	ug/kg	0.8	15-AUG-01 22:27	EPA 8260	01-082-6076
1,2-Dichloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Trichloroethene	47	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
1,2-Dichloropropane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Bromodichloromethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
cis-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	15-AUG-01 22:27	EPA 8260	01-082-6076
Toluene	61	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
trans-1,3-Dichloropropene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076

Results calculated on a dry weight basis.

Page 100 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
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Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Tetrachloroethene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
2-Hexanone	U	ug/kg	11	15-AUG-01 22:27	EPA 8260	01-082-6076
Dibromochloromethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Chlorobenzene	55	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Ethylbenzene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
p-Xylene/m-Xylene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
o-Xylene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Styrene	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Bromoform	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
1,1,2,2-Tetrachloroethane	U	ug/kg	5	15-AUG-01 22:27	EPA 8260	01-082-6076
Surrogate Recovery:						
Dibromofluoromethane	125	%				01-082-6076
Toluene-d8	113	%				01-082-6076
4-Bromofluorobenzene	125	%				01-082-6076
Analysis Comment: * - Surrogate recovery above limit. Int std 3,4 below limit, confirm file # C6078 & C6075. Sample analyzed past holding time.						

EPA 8082

PCB 1016	U	%	110	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1221	U	ug/kg	220	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1232	U	ug/kg	110	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1242	U	ug/kg	110	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1248	U	ug/kg	110	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1254	U	ug/kg	110	03-AUG-01 16:00	EPA 8082	01-124-7680
PCB 1260	142	%	110	03-AUG-01 16:00	EPA 8082	01-124-7680

Extraction Information:

Surrogate Recovery:				31-JUL-01 00:00	EPA 3540	01-114-22
Tetrachloro-m-xylene	81	%				01-124-7680
Decachlorobiphenyl	113	%				01-124-7680

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MS, SS-11 (0-6")
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis(2-chloroethylether)	1300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Phenol	3300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Chlorophenol	3200	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
1,3-Dichlorobenzene	1200	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
1,4-Dichlorobenzene	1200	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
1,2-Dichlorobenzene	1300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Bis(2-chloroisopropylether)	1500	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Methylphenol	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Hexachloroethane	1400	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
N-Nitrosodi-N-propylamine	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
3-Methylphenol/4-Methylphenol	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Nitrobenzene	1400	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Isophorone	1400	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Nitrophenol	3300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4-Dimethylphenol	3700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Bis(2-chloroethoxymethane)	1400	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4-Dichlorophenol	3800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
1,2,4-Trichlorobenzene	1300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Naphthalene	1500	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Chloroaniline	680	ug/kg	570	10-AUG-01 12:58	EPA 8270	01-071-2775
Hexachlorobutadiene	1200	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Chloro-3-methylphenol	4100	ug/kg	570	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Methylnaphthalene	3000	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Hexachlorocyclopentadiene	970	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4,6-Trichlorophenol	4000	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4,5-Trichlorophenol	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Chloronaphthalene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2-Nitroaniline	1900	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
Dimethyl phthalate	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Acenaphthylene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,6-Dinitrotoluene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
3-Nitroaniline	1900	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
Acenaphthene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4-Dinitrophenol	2500	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
Dibenzofuran	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
2,4-Dinitrotoluene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Nitrophenol	4200	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
Diethyl phthalate	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Fluorene	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Chlorophenylphenylether	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Nitroaniline	1300	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775

Results calculated on a dry weight basis.

Page 102 of 122

QC _____ NJ 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MS, SS-11 (0-6")
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methyl-4,6-dinitrophenol	3800	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
N-Nitrosodiphenylamine	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
4-Bromophenylphenylether	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Hexachlorobenzene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Pentachlorophenol	3600	ug/kg	1100	10-AUG-01 12:58	EPA 8270	01-071-2775
Phenanthrene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Anthracene	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Carbazole	U	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Di-n-butyl phthalate	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Fluoranthene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Pyrene	4500	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Butylbenzyl phthalate	3400	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Benzo(a)anthracene	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
3,3-Dichlorobenzidine	U	ug/kg	570	10-AUG-01 12:58	EPA 8270	01-071-2775
Chrysene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Bis-2-ethylhexyl phthalate	2800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Di-n-octyl phthalate	2600	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Benzo(b)fluoranthene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Benzo(k)fluoranthene	1900	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Benzo(a)pyrene	1700	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Indeno(1,2,3-cd)pyrene	2200	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Dibenzo(a,h)anthracene	1800	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775
Benzo(g,h,i)perylene	2300	ug/kg	280	10-AUG-01 12:58	EPA 8270	01-071-2775

Extraction Information:

02-AUG-01 00:00 3550 01-068-69

Surrogate Recovery:

Terphenyl-d14	117	%	01-071-2775
2-Fluorophenol	43	%	01-071-2775
Phenol-d5	47	%	01-071-2775
2,4,6-Tribromophenol	55	%	01-071-2775
Nitrobenzene-d5	42	%	01-071-2775
2-Fluorobiphenyl	47	%	01-071-2775

Analysis Comment:Results Calculated on a dry weight basis. Internal standards 5 and 6 recoveries below limits.
Confirmed by file B2695.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MSD/DUP,SS-11
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	4.1	mg/kg	1.30	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	603	mg/kg	1.75	15-AUG-01 02:02	EPA 6010	01-096-11
Cadmium	2.13	mg/kg	0.545	15-AUG-01 02:02	EPA 6010	01-096-11
Chromium	170	mg/kg	1.09	15-AUG-01 02:02	EPA 6010	01-096-11
Lead	1720	mg/kg	4.80	15-AUG-01 02:02	EPA 6010	01-096-11
Mercury	0.41	mg/kg	0.0530	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.530	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.09	15-AUG-01 02:02	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Vinyl chloride	U	ug/kg	2	15-AUG-01 22:59	EPA 8260	01-082-6077
Chloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Bromomethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
1,1-Dichloroethane	61	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Acetone	U	ug/kg	28	15-AUG-01 22:59	EPA 8260	01-082-6077
Carbon disulfide	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Methylene chloride	7	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
trans-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
1,1-Dichloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
cis-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
MEK(2-Butanone)	U	ug/kg	28	15-AUG-01 22:59	EPA 8260	01-082-6077
Chloroform	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
1,1,1-Trichloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Carbon tetrachloride	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Benzene	52	ug/kg	0.8	15-AUG-01 22:59	EPA 8260	01-082-6077
1,2-Dichloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Trichloroethene	49	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
1,2-Dichloropropane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Bromodichloromethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
cis-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	15-AUG-01 22:59	EPA 8260	01-082-6077
Toluene	59	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
trans-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Results calculated on a dry weight basis.						

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 104 of 122

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MSD/DUP,SS-11
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Tetrachloroethene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
2-Hexanone	U	ug/kg	11	15-AUG-01 22:59	EPA 8260	01-082-6077
Dibromochloromethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Chlorobenzene	52	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Ethylbenzene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
p-Xylene/m-Xylene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
o-Xylene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Styrene	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Bromoform	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
1,1,2,2-Tetrachloroethane	U	ug/kg	6	15-AUG-01 22:59	EPA 8260	01-082-6077
Surrogate Recovery:						
Dibromofluoromethane	113	%				01-082-6077
Toluene-d8	111	%				01-082-6077
4-Bromofluorobenzene	126	%				01-082-6077
Analysis Comment: Int std 3,4 below limit, confirm file # C6075 & C6077. Sample analyzed past holding time.						

EPA 8082

PCB 1016	U	%	110	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1221	U	ug/kg	230	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1232	U	ug/kg	110	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1242	U	ug/kg	110	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1248	U	ug/kg	110	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1254	U	ug/kg	110	03-AUG-01 16:30	EPA 8082	01-124-7681
PCB 1260	175	%	110	03-AUG-01 16:30	EPA 8082	01-124-7681

Extraction Information:

Surrogate Recovery:				31-JUL-01 00:00	EPA 3540	01-114-22
Tetrachloro-m-xylene	87	%				01-124-7681
Decachlorobiphenyl	128	%				01-124-7681

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MSD/DUP, SS-11
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis(2-chloroethylether)	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Phenol	3300	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Chlorophenol	3200	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
1,3-Dichlorobenzene	1100	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
1,4-Dichlorobenzene	1200	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
1,2-Dichlorobenzene	1200	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Bis(2-chloroisopropylether)	1500	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Methylphenol	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Hexachloroethane	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
N-Nitrosodi-N-propylamine	1600	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
3-Methylphenol/4-Methylphenol	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Nitrobenzene	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Isophorone	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Nitrophenol	3200	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4-Dimethylphenol	3700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Bis(2-chloroethoxymethane)	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4-Dichlorophenol	3600	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
1,2,4-Trichlorobenzene	1300	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Naphthalene	1400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Chloroaniline	440 J	ug/kg	560	13-AUG-01 17:49	EPA 8270	01-071-2790
Hexachlorobutadiene	1200	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Chloro-3-methylphenol	4000	ug/kg	560	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Methylnaphthalene	1600	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Hexachlorocyclopentadiene	810	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4,6-Trichlorophenol	3800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4,5-Trichlorophenol	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Chloronaphthalene	1600	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2-Nitroaniline	1800	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
Dimethyl phthalate	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Acenaphthylene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,6-Dinitrotoluene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
3-Nitroaniline	1800	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
Acenaphthene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4-Dinitrophenol	2200	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
Dibenzofuran	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
2,4-Dinitrotoluene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Nitrophenol	3800	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
Diethyl phthalate	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Fluorene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Chlorophenylphenylether	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Nitroaniline	1200	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790

Results calculated on a dry weight basis.

Page 106 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-21MSD/DUP,SS-11
Description: L73300-21
Sampled On: 26-JUL-01 14:45 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methyl-4,6-dinitrophenol	3600	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
N-Nitrosodiphenylamine	1900	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
4-Bromophenylphenylether	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Hexachlorobenzene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Pentachlorophenol	3400	ug/kg	1100	13-AUG-01 17:49	EPA 8270	01-071-2790
Phenanthrene	1900	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Anthracene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Carbazole	U	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Di-n-butyl phthalate	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Fluoranthene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Pyrene	3400	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Butylbenzyl phthalate	2900	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Benzo(a)anthracene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
3,3-Dichlorobenzidine	U	ug/kg	560	13-AUG-01 17:49	EPA 8270	01-071-2790
Chrysene	1800	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Bis-2-ethylhexyl phthalate	2700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Di-n-octyl phthalate	3000	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Benzo(b)fluoranthene	1900	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Benzo(k)fluoranthene	2000	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Benzo(a)pyrene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Indeno(1,2,3-cd)pyrene	1700	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Dibenzo(a,h)anthracene	1600	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790
Benzo(g,h,i)perylene	2100	ug/kg	280	13-AUG-01 17:49	EPA 8270	01-071-2790

Extraction Information:

02-AUG-01 00:00 3550 01-068-69

Surrogate Recovery:

Terphenyl-d14	95	%	01-071-2790
2-Fluorophenol	41	%	01-071-2790
Phenol-d5	45	%	01-071-2790
2,4,6-Tribromophenol	52	%	01-071-2790
Nitrobenzene-d5	42	%	01-071-2790
2-Fluorobiphenyl	47	%	01-071-2790

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-12 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:50 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	76.1	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	16	mg/kg	3.00	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	97.2	mg/kg	1.83	15-AUG-01 02:08	EPA 6010	01-096-11
Cadmium	1.52	mg/kg	0.571	15-AUG-01 02:08	EPA 6010	01-096-11
Chromium	12.6	mg/kg	1.14	15-AUG-01 02:08	EPA 6010	01-096-11
Lead	138	mg/kg	5.03	15-AUG-01 02:08	EPA 6010	01-096-11
Mercury	0.2	mg/kg	0.0570	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	UW	mg/kg	0.610	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.14	15-AUG-01 02:08	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Vinyl chloride	U	ug/kg	2	15-AUG-01 18:41	EPA 8260	01-082-6070
Chloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Bromomethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,1-Dichloroethene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Acetone	U	ug/kg	29	15-AUG-01 18:41	EPA 8260	01-082-6070
Carbon disulfide	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Methylene chloride	8	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
trans-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,1-Dichloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
cis-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
MEK(2-Butanone)	U	ug/kg	29	15-AUG-01 18:41	EPA 8260	01-082-6070
Chloroform	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,1,1-Trichloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Carbon tetrachloride	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Benzene	U	ug/kg	0.8	15-AUG-01 18:41	EPA 8260	01-082-6070
1,2-Dichloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Results calculated on a dry weight basis.						

Page 108 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-12 (0-6*)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:50 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,2-Dichloropropane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Bromodichloromethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
cis-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
MIBK(4-Methyl-2-pentanone)	U	ug/kg	11	15-AUG-01 18:41	EPA 8260	01-082-6070
Toluene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
trans-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,1,2-Trichloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Tetrachloroethene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
2-Hexanone	U	ug/kg	11	15-AUG-01 18:41	EPA 8260	01-082-6070
Dibromochloromethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Chlorobenzene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Ethylbenzene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
p-Xylene/m-Xylene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
o-Xylene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Styrene	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
Bromoform	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070
1,1,2,2-Tetrachloroethane	U	ug/kg	6	15-AUG-01 18:41	EPA 8260	01-082-6070

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown Hydrocarbon	17	ug/kg	J	15.47
Unknown	12	ug/kg	J	18.93
Unknown Hydrocarbon	17	ug/kg	J	19.6
Unknown Ether	14	ug/kg	J	20.51
Unknown (Nitrogen)	15	ug/kg	J	21.12
Unknown Hydrocarbon	34	ug/kg	J	21.41
Decanal	75	ug/kg	NJ	22.71
Unknown Cyclic	20	ug/kg	J	23.49
Unknown	25	ug/kg	J	23.77
Unknown	11	ug/kg	J	24.05

Library Search Comment:10 library search compounds detected.

Results calculated on a dry weight basis.

Page 109 of 122

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-12 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:50 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	125 *	%				01-082-6070
Toluene-d8	120 *	%				01-082-6070
4-Bromofluorobenzene	132 *	%				01-082-6070

Analysis Comment: Internal Standard 2,3,4 recovery below limits. Results confirmed 01-082-6165. * Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high. Sample analyzed past holding time.

EPA 8082

PCB 1016	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1221	U	ug/kg	260	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1232	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1242	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1248	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1254	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682
PCB 1260	U	ug/kg	130	03-AUG-01 17:01	EPA 8082	01-124-7682

Extraction Information:

31-JUL-01 00:00 EPA 3540 01-114-22

Surrogate Recovery:						
Tetrachloro-m-xylene	53	%				01-124-7682
Decachlorobiphenyl	72	%				01-124-7682

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Phenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Chlorophenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
1,3-Dichlorobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
1,4-Dichlorobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
1,2-Dichlorobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Bis(2-chloroisopropylether)	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Methylphenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Hexachloroethane	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
N-Nitrosodi-N-propylamine	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
3-Methylphenol/4-Methylphenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Nitrobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Isophorone	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Nitrophenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-12 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:50 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dimethylphenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Bis(2-chloroethoxymethane)	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,4-Dichlorophenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
1,2,4-Trichlorobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Naphthalene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Chloroaniline	U	ug/kg	650	09-AUG-01 14:48	EPA 8270	01-071-2764
Hexachlorobutadiene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Chloro-3-methylphenol	U	ug/kg	650	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Methylnaphthalene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Hexachlorocyclopentadiene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,4,6-Trichlorophenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,4,5-Trichlorophenol	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Chloronaphthalene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Nitroaniline	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
Dimethyl phthalate	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Acenaphthylene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,6-Dinitrotoluene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
3-Nitroaniline	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
Acenaphthene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,4-Dinitrophenol	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
Dibenzofuran	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
2,4-Dinitrotoluene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Nitrophenol	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
Diethyl phthalate	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Fluorene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Chlorophenylphenylether	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Nitroaniline	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
2-Methyl-4,6-dinitrophenol	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
N-Nitrosodiphenylamine	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
4-Bromophenylphenylether	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Hexachlorobenzene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Pentachlorophenol	U	ug/kg	1300	09-AUG-01 14:48	EPA 8270	01-071-2764
Phenanthrene	450	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Anthracene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Carbazole	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Di-n-butyl phthalate	100 J	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Fluoranthene	790	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Pyrene	730	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Butylbenzyl phthalate	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Benzo(a)anthracene	320 J	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
3,3-Dichlorobenzidine	U	ug/kg	650	09-AUG-01 14:48	EPA 8270	01-071-2764
Chrysene	450	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Bis-2-ethylhexyl phthalate	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-12 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:50 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Di-n-octyl phthalate	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Benzo(b)fluoranthene	530	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Benzo(k)fluoranthene	260 J	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Benzo(a)pyrene	340	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Indeno(1,2,3-cd)pyrene	230 J	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Dibenzo(a,h)anthracene	U	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764
Benzo(g,h,i)perylene	260 J	ug/kg	330	09-AUG-01 14:48	EPA 8270	01-071-2764

Extraction Information:

02-AUG-01 00:00 3550 01-068-69

Library Search Compounds:	Result	Units	Qual	Retention Time
2,6,10,14-tetramethyl Pentadecane	360	ug/kg	J	23.31
p,p'-dde	890	ug/kg	J	29.74
o,p'-ddt	330	ug/kg	J	31.7
Cyclotetrasiloxane	800	ug/kg	J	34.98
Unknown Alcohol	940	ug/kg	J	36.09
Hexadecanal	8300	ug/kg	J	36.3
Heneicosane	1200	ug/kg	J	36.8
Cyclotetrasiloxane	5600	ug/kg	J	36.86
Hexatriacontane	1200	ug/kg	J	38.57
Cholesterol	520	ug/kg	J	39.12
Unknown Hydrocarbon	460	ug/kg	J	40.79

Library Search Comment:11 library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	91	%	01-071-2764
2-Fluorophenol	70	%	01-071-2764
Phenol-d5	71	%	01-071-2764
2,4,6-Tribromophenol	79	%	01-071-2764
Nitrobenzene-d5	74	%	01-071-2764
2-Fluorobiphenyl	77	%	01-071-2764

Analysis Comment:Results Calculated on a dry weight basis. Internal standard 6 recovery below limits.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-13 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	82.6	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	6.7	mg/kg	1.50	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	99.3	mg/kg	1.88	15-AUG-01 02:14	EPA 6010	01-096-11
Cadmium	1.65	mg/kg	0.588	15-AUG-01 02:14	EPA 6010	01-096-11
Chromium	6.91	mg/kg	1.18	15-AUG-01 02:14	EPA 6010	01-096-11
Lead	52.2	mg/kg	5.17	15-AUG-01 02:14	EPA 6010	01-096-11
Mercury	0.12	mg/kg	0.0570	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/kg	0.590	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.18	15-AUG-01 02:14	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Vinyl chloride	U	ug/kg	2	15-AUG-01 20:50	EPA 8260	01-082-6074
Chloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Bromomethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,1-Dichloroethene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Acetone	U	ug/kg	29	15-AUG-01 20:50	EPA 8260	01-082-6074
Carbon disulfide	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Methylene chloride	7	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
trans-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,1-Dichloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
cis-1,2-Dichloroethene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
MEK(2-Butanone)	U	ug/kg	29	15-AUG-01 20:50	EPA 8260	01-082-6074
Chloroform	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,1,1-Trichloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Carbon tetrachloride	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Benzene	U	ug/kg	0.8	15-AUG-01 20:50	EPA 8260	01-082-6074
1,2-Dichloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Trichloroethene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,2-Dichloropropane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Bromodichloromethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
cis-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
MIBK(4-Methyl-2-pentanone)	U	ug/kg	12	15-AUG-01 20:50	EPA 8260	01-082-6074

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-13 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
trans-1,3-Dichloropropene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,1,2-Trichloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Tetrachloroethene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
2-Hexanone	U	ug/kg	12	15-AUG-01 20:50	EPA 8260	01-082-6074
Dibromochloromethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Chlorobenzene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Ethylbenzene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
p-Xylene/m-Xylene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
o-Xylene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Styrene	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
Bromoform	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074
1,1,2,2-Tetrachloroethane	U	ug/kg	6	15-AUG-01 20:50	EPA 8260	01-082-6074

Library Search Compounds:	Result	Units	Qual	Retention Time
Undecane	400	ug/kg	NJ	20.51
Unknown Hydrocarbon	230	ug/kg	J	20.8
Unknown Hydrocarbon	140	ug/kg	J	20.99
Unknown Cyclic	160	ug/kg	J	21.19
Unknown Hydrocarbon	290	ug/kg	J	21.38
Unknown Hydrocarbon	280	ug/kg	J	21.5
Unknown Hydrocarbon	290	ug/kg	J	21.61
Unknown Acid	110	ug/kg	J	21.88
Dodecane	540	ug/kg	NJ	21.99
2,6-dimethyl Undecane	480	ug/kg	NJ	22.17

Library Search Comment:10 library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	121	%	01-082-6074
Toluene-d8	107	%	01-082-6074
4-Bromofluorobenzene	123	%	01-082-6074

Analysis Comment:Internal Standard 2,3,4 recovery below limits. Results confirmed 01-082-6163. Sample analyzed past holding time.

Results calculated on a dry weight basis.

Page 114 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-13 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1221	U	ug/kg	230	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1232	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1242	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1248	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1254	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
PCB 1260	U	ug/kg	110	03-AUG-01 17:32	EPA 8082	01-124-7683
Extraction Information:				31-JUL-01 00:00	EPA 3540	01-114-22

Surrogate Recovery:

Tetrachloro-m-xylene	77	%	01-124-7683
Decachlorobiphenyl	107	%	01-124-7683

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Phenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Chlorophenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
1,3-Dichlorobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
1,4-Dichlorobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
1,2-Dichlorobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Bis(2-chloroisopropylether)	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Methylphenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Hexachloroethane	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
N-Nitrosodi-N-propylamine	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
3-Methylphenol/4-Methylphenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Nitrobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Isophorone	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Nitrophenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4-Dimethylphenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Bis(2-chloroethoxymethane)	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4-Dichlorophenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
1,2,4-Trichlorobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Naphthalene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Chloroaniline	U	ug/kg	610	10-AUG-01 22:18	EPA 8270	01-063-2728
Hexachlorobutadiene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Chloro-3-methylphenol	U	ug/kg	610	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Methylnaphthalene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Hexachlorocyclopentadiene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4,6-Trichlorophenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4,5-Trichlorophenol	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728

Results calculated on a dry weight basis.

Page 115 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-13 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Nitroaniline	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
Dimethyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Acenaphthylene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,6-Dinitrotoluene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
3-Nitroaniline	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
Acenaphthene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4-Dinitrophenol	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
Dibenzofuran	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
2,4-Dinitrotoluene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Nitrophenol	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
Diethyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Fluorene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Chlorophenylphenylether	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Nitroaniline	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
N-Nitrosodiphenylamine	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
4-Bromophenylphenylether	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Hexachlorobenzene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Pentachlorophenol	U	ug/kg	1200	10-AUG-01 22:18	EPA 8270	01-063-2728
Phenanthrene	220 J	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Anthracene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Carbazole	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Di-n-butyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Fluoranthene	290 J	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Pyrene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Butylbenzyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Benzo(a)anthracene	160 J	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
3,3-Dichlorobenzidine	U	ug/kg	610	10-AUG-01 22:18	EPA 8270	01-063-2728
Chrysene	170 J	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Bis-2-ethylhexyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Di-n-octyl phthalate	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Benzo(b)fluoranthene	3400	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Benzo(k)fluoranthene	1400	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Benzo(a)pyrene	880	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Dibenzo(a,h)anthracene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728
Benzo(g,h,i)perylene	U	ug/kg	300	10-AUG-01 22:18	EPA 8270	01-063-2728

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SS-13 (0-6")
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				02-AUG-01 00:00	3550	01-068-69
Library Search Compounds:	Result	Units	Qual	Retention Time		
Tetracosane	2400	ug/kg	JN	39.69		
Surrogate Recovery:						
Terphenyl-d14	90	%				01-063-2728
2-Fluorophenol	80	%				01-063-2728
Phenol-d5	75	%				01-063-2728
2,4,6-Tribromophenol	103	%				01-063-2728
Nitrobenzene-d5	81	%				01-063-2728
2-Fluorobiphenyl	115	%				01-063-2728
Analysis Comment:Results Calculated on a dry weight basis. Int std 4 below limit, confirm file # B2692.						

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-2
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 18:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	U	mg/l	0.005	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	U	mg/l	0.016	15-AUG-01 02:17	EPA 6010	01-096-11
Cadmium	U	mg/l	0.005	15-AUG-01 02:17	EPA 6010	01-096-11
Chromium	0.081	mg/l	0.010	15-AUG-01 02:17	EPA 6010	01-096-11
Lead	0.004	mg/l	0.001	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/l	0.0002	08-AUG-01 00:00	EPA 7470	01-002-14
Selenium	U	mg/l	0.005	10-AUG-01 00:00	EPA 7740	98-201-76
Silver	U	mg/l	0.010	15-AUG-01 02:17	EPA 6010	01-096-11
EPA 8260						
Chloromethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Vinyl chloride	U	ug/l	2	24-AUG-01 14:28	EPA 8260	01-126-8836
Chloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Bromomethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
1,1-Dichloroethene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Acetone	36	ug/l	25	24-AUG-01 14:28	EPA 8260	01-126-8836
Carbon disulfide	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Methylene chloride	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
trans-1,2-Dichloroethene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
1,1-Dichloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
cis-1,2-Dichloroethene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
MEK(2-Butanone)	U	ug/l	25	24-AUG-01 14:28	EPA 8260	01-126-8836
Chloroform	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
1,1,1-Trichloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Carbon tetrachloride	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Benzene	U	ug/l	0.7	24-AUG-01 14:28	EPA 8260	01-126-8836
1,2-Dichloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Trichloroethene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
1,2-Dichloropropane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Bromodichloromethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
cis-1,3-Dichloropropene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	24-AUG-01 14:28	EPA 8260	01-126-8836
Toluene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
trans-1,3-Dichloropropene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-2
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 18:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Tetrachloroethene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
2-Hexanone	U	ug/l	10	24-AUG-01 14:28	EPA 8260	01-126-8836
Dibromochloromethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Chlorobenzene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Ethylbenzene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
p-Xylene/m-Xylene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
o-Xylene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Styrene	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
Bromoform	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836
1,1,2,2-Tetrachloroethane	U	ug/l	5	24-AUG-01 14:28	EPA 8260	01-126-8836

Library Search Compounds:	Result	Units	Qual	Retention Time

No library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	95	%		01-126-8836
Toluene-d8	99	%		01-126-8836
4-Bromofluorobenzene	95	%		01-126-8836

Analysis Comment:Sample analyzed past holding time.

EPA 8082

PCB 1016	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1221	U	ug/l	0.2	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1232	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1242	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1248	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1254	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588
PCB 1260	U	ug/l	0.1	01-AUG-01 14:30	EPA 8082	01-124-7588

Extraction Information:

30-JUL-01 00:00 EPA 3510 01-114-18

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-2
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 18:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	64	μ				01-124-7588
Decachlorobiphenyl	42	μ				01-124-7588
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Phenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Chlorophenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
1,3-Dichlorobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
1,4-Dichlorobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
1,2-Dichlorobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Bis(2-chloroisopropylether)	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Methylphenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Hexachloroethane	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
N-Nitrosodi-N-propylamine	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
3-Methylphenol/4-Methylphenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Nitrobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Isophorone	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Nitrophenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4-Dimethylphenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Bis(2-chloroethoxymethane)	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4-Dichlorophenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
1,2,4-Trichlorobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Naphthalene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Chloroaniline	U	ug/l	10	31-JUL-01 18:23	EPA 8270	01-071-2668
Hexachlorobutadiene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Chloro-3-methylphenol	U	ug/l	10	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Methylnaphthalene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Hexachlorocyclopentadiene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4,6-Trichlorophenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4,5-Trichlorophenol	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Chloronaphthalene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Nitroaniline	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
Dimethyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Acenaphthylene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,6-Dinitrotoluene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
3-Nitroaniline	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
Acenaphthene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4-Dinitrophenol	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
Dibenzofuran	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
2,4-Dinitrotoluene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Nitrophenol	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668

Page 120 of 122

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-2
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 18:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Fluorene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Chlorophenylphenylether	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Nitroaniline	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
2-Methyl-4,6-dinitrophenol	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
N-Nitrosodiphenylamine	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
4-Bromophenylphenylether	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Hexachlorobenzene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Pentachlorophenol	U	ug/l	20	31-JUL-01 18:23	EPA 8270	01-071-2668
Phenanthrene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Anthracene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Carbazole	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Di-n-butyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Fluoranthene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Pyrene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Butylbenzyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Benzo(a)anthracene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
3,3-Dichlorobenzidine	U	ug/l	10	31-JUL-01 18:23	EPA 8270	01-071-2668
Chrysene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Bis-2-ethylhexyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Di-n-octyl phthalate	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Benzo(b)fluoranthene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Benzo(k)fluoranthene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Benzo(a)pyrene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Indeno(1,2,3-cd)pyrene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Dibenzo(a,h)anthracene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668
Benzo(g,h,i)perylene	U	ug/l	5	31-JUL-01 18:23	EPA 8270	01-071-2668

Extraction Information:

30-JUL-01 00:00 EPA 3510 01-068-64

Library Search Compounds:	Result	Units	Qual	Retention Time

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-2
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 18:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
No library search compounds detected.						
Surrogate Recovery:						
Terphenyl-d14	78	%				01-071-2668
2-Fluorophenol	48	%				01-071-2668
Phenol-d5	29	%				01-071-2668
2,4,6-Tribromophenol	71	%				01-071-2668
Nitrobenzene-d5	74	%				01-071-2668
2-Fluorobiphenyl	82	%				01-071-2668

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5 (8-9)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 08:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	90	%		27-JUL-01 00:00	CLP 3.0	01-072-79
Arsenic	2.2	mg/kg	1.40	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	34.9	mg/kg	1.68	15-AUG-01 12:43	EPA 6010	01-096-11
Cadmium	0.998	mg/kg	0.524	17-AUG-01 11:19	EPA 6010	01-096-13
Chromium	4.84	mg/kg	1.05	15-AUG-01 12:43	EPA 6010	01-096-11
Lead	9	mg/kg	1.10	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/kg	0.0560	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	U	mg/kg	0.540	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	1.05	17-AUG-01 11:19	EPA 6010	01-096-13
EPA 8260						
Chloromethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Vinyl chloride	U	ug/kg	200	24-AUG-01 19:31	EPA 8260	01-126-8845
Chloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Bromomethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,1-Dichloroethene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Acetone	U	ug/kg	2500	24-AUG-01 19:31	EPA 8260	01-126-8845
Carbon disulfide	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Methylene chloride	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
trans-1,2-Dichloroethene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,1-Dichloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
cis-1,2-Dichloroethene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
MEK(2-Butanone)	U	ug/kg	2500	24-AUG-01 19:31	EPA 8260	01-126-8845
Chloroform	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,1,1-Trichloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Carbon tetrachloride	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Benzene	U	ug/kg	69	24-AUG-01 19:31	EPA 8260	01-126-8845
1,2-Dichloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Trichloroethene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,2-Dichloropropane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Bromodichloromethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
cis-1,3-Dichloropropene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
MIBK(4-Methyl-2-pentanone)	U	ug/kg	990	24-AUG-01 19:31	EPA 8260	01-126-8845
Results calculated on a dry weight basis.						

Page 1 of 122

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5 (8-9)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 08:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
trans-1,3-Dichloropropene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,1,2-Trichloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Tetrachloroethene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
2-Hexanone	U	ug/kg	990	24-AUG-01 19:31	EPA 8260	01-126-8845
Dibromochloromethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Chlorobenzene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Ethylbenzene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
p-Xylene/m-Xylene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
o-Xylene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Styrene	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
Bromoform	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845
1,1,2,2-Tetrachloroethane	U	ug/kg	500	24-AUG-01 19:31	EPA 8260	01-126-8845

Library Search Compounds:	Result	Units	Qual	Retention Time
1,1,4-Trimethylcyclohexane	12000	ug/kg	NJ	17.75
1,2,4-Trimethylcyclohexane	9000	ug/kg	NJ	18.19
1-Ethyl-3-methylcyclohexane	9700	ug/kg	NJ	19.25
Unknown Cyclic	17000	ug/kg	J	19.83
3-Methylnonane	18000	ug/kg	NJ	20.07
Unknown Hydrocarbon	13000	ug/kg	J	20.24
Unknown Hydrocarbon	32000	ug/kg	J	20.32
Unknown Hydrocarbon	17000	ug/kg	J	20.65
4-methyl Decane	10000	ug/kg	NJ	21.78
Unknown Hydrocarbon	12000	ug/kg	J	23.67

Library Search Comment:10 library search compounds detected.

Surrogate Recovery:
Dibromofluoromethane
Toluene-d8
4-Bromofluorobenzene

102
96
122

%
%
%

01-126-8845
01-126-8845
01-126-8845

Analysis Comment:Sample analyzed past holding time.

Results calculated on a dry weight basis.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 2 of 122

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5 (8-9)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 08:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1221	U	ug/kg	220	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1232	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1242	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1248	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1254	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655
PCB 1260	U	ug/kg	110	03-AUG-01 02:51	EPA 8082	01-124-7655

Extraction Information:

30-JUL-01 00:00 EPA 3540 01-114-19

Surrogate Recovery:
Tetrachloro-m-xylene
Decachlorobiphenyl

45 %
95 %

01-124-7655
01-124-7655

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Phenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Chlorophenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
1,3-Dichlorobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
1,4-Dichlorobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
1,2-Dichlorobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Bis(2-chloroisopropylether)	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Methylphenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Hexachloroethane	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
N-Nitrosodi-N-propylamine	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
3-Methylphenol/4-Methylphenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Nitrobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Isophorone	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Nitrophenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4-Dimethylphenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Bis(2-chloroethoxymethane)	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4-Dichlorophenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
1,2,4-Trichlorobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Naphthalene	4800 J	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Chloroaniline	U	ug/kg	27000	03-AUG-01 20:18	EPA 8270	01-071-2713
Hexachlorobutadiene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Chloro-3-methylphenol	U	ug/kg	27000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Methylnaphthalene	65000	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Hexachlorocyclopentadiene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4,6-Trichlorophenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4,5-Trichlorophenol	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5 (8-9)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 08:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Nitroaniline	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
Dimethyl phthalate	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Acenaphthylene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,6-Dinitrotoluene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
3-Nitroaniline	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
Acenaphthene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4-Dinitrophenol	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
Dibenzofuran	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
2,4-Dinitrotoluene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Nitrophenol	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
Diethyl phthalate	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Fluorene	6400 J	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Chlorophenylphenylether	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Nitroaniline	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
2-Methyl-4,6-dinitrophenol	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
N-Nitrosodiphenylamine	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
4-Bromophenylphenylether	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Hexachlorobenzene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Pentachlorophenol	U	ug/kg	55000	03-AUG-01 20:18	EPA 8270	01-071-2713
Phenanthrene	19000	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Anthracene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Carbazole	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Di-n-butyl phthalate	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Fluoranthene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Pyrene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Butylbenzyl phthalate	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Benzo(a)anthracene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
3,3-Dichlorobenzidine	U	ug/kg	27000	03-AUG-01 20:18	EPA 8270	01-071-2713
Chrysene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Bis-2-ethylhexyl phthalate	11000 J	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Di-n-octyl phthalate	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Benzo(b)fluoranthene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Benzo(k)fluoranthene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Benzo(a)pyrene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Indeno(1,2,3-cd)pyrene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Dibenzo(a,h)anthracene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713
Benzo(g,h,i)perylene	U	ug/kg	14000	03-AUG-01 20:18	EPA 8270	01-071-2713

Results calculated on a dry weight basis.

Page 4 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5 (8-9)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 08:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				01-AUG-01 00:00	EPA 3550	01-068-67

Library Search Compounds:	Result	Units	Qual	Retention Time
2,6 - dimethyl Undecane	40000	ug/kg	J	15.23
Unknown Hydrocarbon	49000	ug/kg	J	16.38
1 - methyl Naphthalene	48000	ug/kg	J	17.31
1,7 - dimethyl Naphthalene	100000	ug/kg	J	19.02
2,3 - dimethyl Naphthalene	120000	ug/kg	J	19.26
2,6 - dimethyl Naphthalene	65000	ug/kg	J	19.33
2,3 - dimethyl Naphthalene	45000	ug/kg	J	19.6
Unknown Hydrocarbon	69000	ug/kg	J	19.74
2 - (1methyl) - Naphthalene	43000	ug/kg	J	20.67
2,3,6 - trimethyl Naphthalene	43000	ug/kg	J	21
1,6,7 - trimethyl Naphthalene	46000	ug/kg	J	21.11
1,6,7 - trimethyl Naphthalene	36000	ug/kg	J	21.35
1,4,6 - trimethyl Naphthalene	47000	ug/kg	J	21.42
Unknown Hydrocarbon	83000	ug/kg	J	22.69
2,6,10,14 - tetramethyl Pentadecane	140000	ug/kg	J	23.52

Library Search Comment:Fifteen library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	77	%	01-071-2713
2-Fluorophenol	33	%	01-071-2713
Phenol-d5	51	%	01-071-2713
2,4,6-Tribromophenol	34	%	01-071-2713
Nitrobenzene-d5	43	%	01-071-2713
2-Fluorobiphenyl	75	%	01-071-2713

Analysis Comment:Results Calculated on a dry weight basis. Int std 6 recovery below limit.

Results calculated on a dry weight basis.

Page 5 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-6 (10-12)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 10:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	89.9	%		27-JUL-01 00:00	CLP 3.0	01-072-79
Arsenic	2	mg/kg	1.20	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	12.7	mg/kg	1.66	15-AUG-01 12:46	EPA 6010	01-096-11
Cadmium	U	mg/kg	0.520	17-AUG-01 11:22	EPA 6010	01-096-13
Chromium	4.91	mg/kg	1.04	15-AUG-01 12:46	EPA 6010	01-096-11
Lead	12	mg/kg	0.980	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/kg	0.0460	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	UW	mg/kg	0.490	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.04	17-AUG-01 11:22	EPA 6010	01-096-13
EPA 8260						
Chloromethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Vinyl chloride	U	ug/kg	190	24-AUG-01 20:04	EPA 8260	01-126-8846
Chloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Bromomethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,1-Dichloroethene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Acetone	U	ug/kg	2400	24-AUG-01 20:04	EPA 8260	01-126-8846
Carbon disulfide	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Methylene chloride	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
trans-1,2-Dichloroethene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,1-Dichloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
cis-1,2-Dichloroethene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
MEK(2-Butanone)	U	ug/kg	2400	24-AUG-01 20:04	EPA 8260	01-126-8846
Chloroform	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,1,1-Trichloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Carbon tetrachloride	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Benzene	U	ug/kg	66	24-AUG-01 20:04	EPA 8260	01-126-8846
1,2-Dichloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Results calculated on a dry weight basis.						

Page 6 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-6 (10-12)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 10:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,2-Dichloropropane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Bromodichloromethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
cis-1,3-Dichloropropene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
MIBK(4-Methyl-2-pentanone)	U	ug/kg	940	24-AUG-01 20:04	EPA 8260	01-126-8846
Toluene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
trans-1,3-Dichloropropene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,1,2-Trichloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Tetrachloroethene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
2-Hexanone	U	ug/kg	940	24-AUG-01 20:04	EPA 8260	01-126-8846
Dibromochloromethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Chlorobenzene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Ethylbenzene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
p-Xylene/m-Xylene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
o-Xylene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Styrene	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
Bromoform	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846
1,1,2,2-Tetrachloroethane	U	ug/kg	470	24-AUG-01 20:04	EPA 8260	01-126-8846

Library Search Compounds:	Result	Units	Qual	Retention Time
4 methyl Decane	6400	ug/kg	NJ	21.77
1,6 dimethyl Naphthalene	5600	ug/kg	NJ	22.36
Unknown Aromatic	7600	ug/kg	J	22.88
Unknown Aromatic	5100	ug/kg	J	22.96
Unknown Hydrocarbon	4600	ug/kg	J	23.16
Unknown Cyclic	7400	ug/kg	J	23.66
Unknown Hydrocarbon	5600	ug/kg	J	23.91

Library Search Comment:Seven library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	98	%	01-126-8846
Toluene-d8	100	%	01-126-8846
4-Bromofluorobenzene	93	%	01-126-8846

Analysis Comment:Analyzed outside of holding time.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-6 (10-12)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 10:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1221	U	ug/kg	220	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1232	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1242	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1248	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1254	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656
PCB 1260	U	ug/kg	110	03-AUG-01 03:23	EPA 8082	01-124-7656

Extraction Information:

30-JUL-01 00:00 EPA 3540 01-114-19

Surrogate Recovery:

Tetrachloro-m-xylene	52	%	01-124-7656
Decachlorobiphenyl	102	%	01-124-7656

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Phenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Chlorophenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
1,3-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
1,4-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
1,2-Dichlorobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Bis(2-chloroisopropylether)	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Methylphenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Hexachloroethane	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
N-Nitrosodi-N-propylamine	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
3-Methylphenol/4-Methylphenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Nitrobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Isophorone	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Nitrophenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4-Dimethylphenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Bis(2-chloroethoxymethane)	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4-Dichlorophenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
1,2,4-Trichlorobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Naphthalene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Chloroaniline	U	ug/kg	2800	11-AUG-01 00:16	EPA 8270	01-063-2730
Hexachlorobutadiene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Chloro-3-methylphenol	U	ug/kg	2800	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Methylnaphthalene	4300	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Hexachlorocyclopentadiene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4,6-Trichlorophenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4,5-Trichlorophenol	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-6 (10-12)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 10:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Nitroaniline	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
Dimethyl phthalate	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Acenaphthylene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,6-Dinitrotoluene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
3-Nitroaniline	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
Acenaphthene	2000	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4-Dinitrophenol	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
Dibenzofuran	1300 J	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
2,4-Dinitrotoluene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Nitrophenol	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
Diethyl phthalate	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Fluorene	2600	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Chlorophenylphenylether	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Nitroaniline	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
2-Methyl-4,6-dinitrophenol	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
N-Nitrosodiphenylamine	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
4-Bromophenylphenylether	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Hexachlorobenzene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Pentachlorophenol	U	ug/kg	5600	11-AUG-01 00:16	EPA 8270	01-063-2730
Phenanthrene	10000	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Anthracene	2900	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Carbazole	1200 J	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Di-n-butyl phthalate	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Fluoranthene	7500	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Pyrene	5900	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Butylbenzyl phthalate	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Benzo(a)anthracene	2900	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
3,3-Dichlorobenzidine	U	ug/kg	2800	11-AUG-01 00:16	EPA 8270	01-063-2730
Chrysene	2600	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Bis-2-ethylhexyl phthalate	5600	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Di-n-octyl phthalate	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Benzo(b)fluoranthene	3400	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Benzo(k)fluoranthene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Benzo(a)pyrene	2400	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Indeno(1,2,3-cd)pyrene	1600	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Dibenzo(a,h)anthracene	U	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730
Benzo(g,h,i)perylene	1700	ug/kg	1400	11-AUG-01 00:16	EPA 8270	01-063-2730

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-6 (10-12)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 10:40 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				01-AUG-01 00:00	EPA 3550	01-068-67
Library Search Compounds:	Result	Units	Qual	Retention Time		
1,7-dimethylNaphthalene	17000	ug/kg	JN	21.19		
2,3-dimethylNaphthalene	22000	ug/kg	JN	21.43		
2,6,10-trimethylDodecane	14000	ug/kg	JN	21.91		
1,4,6-trimethylNaphthalene	12000	ug/kg	JN	23.57		
Surrogate Recovery:						
Terphenyl-d14	63	%				01-063-2730
2-Fluorophenol	52	%				01-063-2730
Phenol-d5	54	%				01-063-2730
2,4,6-Tribromophenol	50	%				01-063-2730
Nitrobenzene-d5	57	%				01-063-2730
2-Fluorobiphenyl	57	%				01-063-2730
Analysis Comment: Results Calculated on a dry weight basis. Int std 4 below limit, confirm file # B2694.						

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-8 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 14:00 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81	%		27-JUL-01 00:00	CLP 3.0	01-072-79
Arsenic	2.6	mg/kg	1.40	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	32.1	mg/kg	1.59	15-AUG-01 12:49	EPA 6010	01-096-11
Cadmium	0.591	mg/kg	0.490	17-AUG-01 11:25	EPA 6010	01-096-13
Chromium	7.71	mg/kg	0.996	15-AUG-01 12:49	EPA 6010	01-096-11
Lead	6.7	mg/kg	1.10	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/kg	0.0450	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	U	mg/kg	0.580	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	0.980	17-AUG-01 11:25	EPA 6010	01-096-13
EPA 8260						
Chloromethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Vinyl chloride	U	ug/kg	230	24-AUG-01 20:38	EPA 8260	01-126-8847
Chloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Bromomethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,1-Dichloroethene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Acetone	U	ug/kg	2800	24-AUG-01 20:38	EPA 8260	01-126-8847
Carbon disulfide	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Methylene chloride	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
trans-1,2-Dichloroethene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,1-Dichloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
cis-1,2-Dichloroethene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
MEK(2-Butanone)	U	ug/kg	2800	24-AUG-01 20:38	EPA 8260	01-126-8847
Chloroform	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,1,1-Trichloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Carbon tetrachloride	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Benzene	U	ug/kg	79	24-AUG-01 20:38	EPA 8260	01-126-8847
1,2-Dichloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Trichloroethene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,2-Dichloropropane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Bromodichloromethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
cis-1,3-Dichloropropene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
MIBK(4-Methyl-2-pentanone)	U	ug/kg	1100	24-AUG-01 20:38	EPA 8260	01-126-8847

Results calculated on a dry weight basis.

Page 11 of 122

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:04-SEP-2001

Lab Sample ID: L73300-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-8 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 14:00 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Toluene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
trans-1,3-Dichloropropene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,1,2-Trichloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Tetrachloroethene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
2-Hexanone	U	ug/kg	1100	24-AUG-01 20:38	EPA 8260	01-126-8847
Dibromochloromethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Chlorobenzene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Ethylbenzene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
p-Xylene/m-Xylene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
o-Xylene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Styrene	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
Bromoform	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847
1,1,2,2-Tetrachloroethane	U	ug/kg	570	24-AUG-01 20:38	EPA 8260	01-126-8847

Library Search Compounds:	Result	Units	Qual	Retention Time
1-(2-butenyl)-2,3-dimethyl benzene	3400	ug/kg	NJ	20.64
2,6-dimethyl Naphthalene	5900	ug/kg	NJ	22.36
1,6-dimethyl Naphthalene	5700	ug/kg	NJ	22.85
Unknown Aromatic	4200	ug/kg	J	22.96

Library Search Comment:Four library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	99	%	01-126-8847
Toluene-d8	103	%	01-126-8847
4-Bromofluorobenzene	91	%	01-126-8847

Analysis Comment:Analyzed outside of holding time.

EPA 8082

PCB 1016	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1221	U	ug/kg	240	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1232	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1242	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1248	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1254	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657
PCB 1260	U	ug/kg	120	03-AUG-01 03:54	EPA 8082	01-124-7657

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-8 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 14:00 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	57	%				01-124-7657
Decachlorobiphenyl	100	%				01-124-7657
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Phenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Chlorophenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
1,3-Dichlorobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
1,4-Dichlorobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
1,2-Dichlorobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Bis(2-chloroisopropylether)	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Methylphenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Hexachloroethane	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
N-Nitrosodi-N-propylamine	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
3-Methylphenol/4-Methylphenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Nitrobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Isophorone	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Nitrophenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,4-Dimethylphenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Bis(2-chloroethoxymethane)	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,4-Dichlorophenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
1,2,4-Trichlorobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Naphthalene	5100	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Chloroaniline	U	ug/kg	610	02-AUG-01 23:17	EPA 8270	01-071-2702
Hexachlorobutadiene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Chloro-3-methylphenol	U	ug/kg	610	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Methylnaphthalene	3800	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Hexachlorocyclopentadiene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,4,6-Trichlorophenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,4,5-Trichlorophenol	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Chloronaphthalene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Nitroaniline	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
Dimethyl phthalate	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Acenaphthylene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,6-Dinitrotoluene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
3-Nitroaniline	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
Acenaphthene	2000	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
2,4-Dinitrophenol	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
Dibenzofuran	1100	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-8 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 25-JUL-01 14:00 by CLIENT
Date Received: 26-JUL-01 13:20
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dinitrotoluene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Nitrophenol	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
Diethyl phthalate	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Fluorene	1700	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Chlorophenylphenylether	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Nitroaniline	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
N-Nitrosodiphenylamine	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
4-Bromophenylphenylether	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Hexachlorobenzene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Pentachlorophenol	U	ug/kg	1200	02-AUG-01 23:17	EPA 8270	01-071-2702
Phenanthrene	4200	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Anthracene	1300	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Carbazole	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Di-n-butyl phthalate	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Fluoranthene	2000	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Pyrene	1500	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Butylbenzyl phthalate	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Benzo(a)anthracene	660	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
3,3-Dichlorobenzidine	U	ug/kg	610	02-AUG-01 23:17	EPA 8270	01-071-2702
Chrysene	550	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Bis-2-ethylhexyl phthalate	330	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Di-n-octyl phthalate	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Benzo(b)fluoranthene	490	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Benzo(k)fluoranthene	210 J	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Benzo(a)pyrene	430	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Indeno(1,2,3-cd)pyrene	230 J	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Dibenzo(a,h)anthracene	U	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702
Benzo(g,h,i)perylene	160 J	ug/kg	310	02-AUG-01 23:17	EPA 8270	01-071-2702

Extraction Information:

01-AUG-01 00:00 EPA 3550 01-068-67

Library Search Compounds:	Result	Units	Qual	Retention Time

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 09:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	53	%				01-124-7658
Decachlorobiphenyl	91	%				01-124-7658
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Phenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Chlorophenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
1,3-Dichlorobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
1,4-Dichlorobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
1,2-Dichlorobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Bis(2-chloroisopropylether)	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Methylphenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Hexachloroethane	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
N-Nitrosodi-N-propylamine	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
3-Methylphenol/4-Methylphenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Nitrobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Isophorone	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Nitrophenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4-Dimethylphenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Bis(2-chloroethoxymethane)	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4-Dichlorophenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
1,2,4-Trichlorobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Naphthalene	200000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Chloroaniline	U	ug/kg	33000	07-AUG-01 11:36	EPA 8270	01-071-2735
Hexachlorobutadiene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Chloro-3-methylphenol	U	ug/kg	33000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Methylnaphthalene	87000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Hexachlorocyclopentadiene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4,6-Trichlorophenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4,5-Trichlorophenol	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Chloronaphthalene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Nitroaniline	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
Dimethyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Acenaphthylene	14000 J	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,6-Dinitrotoluene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
3-Nitroaniline	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
Acenaphthene	56000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4-Dinitrophenol	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
Dibenzofuran	7000 J	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
2,4-Dinitrotoluene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Nitrophenol	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735

Results calculated on a dry weight basis.

Page 17 of 122

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 09:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Fluorene	45000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Chlorophenylphenylether	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Nitroaniline	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
2-Methyl-4,6-dinitrophenol	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
N-Nitrosodiphenylamine	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
4-Bromophenylphenylether	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Hexachlorobenzene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Pentachlorophenol	U	ug/kg	66000	07-AUG-01 11:36	EPA 8270	01-071-2735
Phenanthrene	130000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Anthracene	39000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Carbazole	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Di-n-butyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Fluoranthene	28000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Pyrene	38000	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Butylbenzyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Benzo(a)anthracene	13000 J	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
3,3-Dichlorobenzidine	U	ug/kg	33000	07-AUG-01 11:36	EPA 8270	01-071-2735
Chrysene	14000 J	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Bis-2-ethylhexyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Di-n-octyl phthalate	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Benzo(b)fluoranthene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Benzo(k)fluoranthene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Benzo(a)pyrene	8200 J	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Indeno(1,2,3-cd)pyrene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Dibenzo(a,h)anthracene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Benzo(g,h,i)perylene	U	ug/kg	16000	07-AUG-01 11:36	EPA 8270	01-071-2735
Extraction Information:				02-AUG-01 00:00	3550	01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Date:04-SEP-2001

Lab Sample ID: L73300-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7 (9-11)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 09:10 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
1-Methyl Naphthalene	100000	ug/kg	N	17.11		
1-Ethyl Naphthalene	26000	ug/kg	J	18.59		
2,6-Dimethyl Naphthalene	39000	ug/kg	J	18.81		
1,3-Dimethyl Naphthalene	55000	ug/kg	J	19.04		
2,6-Dimethyl Naphthalene	26000	ug/kg	J	19.11		
2,3-Dimethyl Naphthalene	24000	ug/kg	J	19.39		
1-Methyl 9H-Fluorene	21000	ug/kg	J	23.53		
Dibenzothiophene	16000	ug/kg	J	24.36		
2-Phenyl-1H-Indene	33000	ug/kg	J	26.3		
2-Phenyl-1H-Indene	34000	ug/kg	J	26.39		
1-Methyl Anthracene	17000	ug/kg	J	26.53		
Unknown PAH	46000	ug/kg	J	26.63		
Unknown PAH	24000	ug/kg	J	26.71		
2-Phenynaphthalene	16000	ug/kg	J	27.3		
2,5-Dimethyl Phenanthrene	21000	ug/kg	J	28.08		
Surrogate Recovery:						
Terphenyl-d14	62	%				01-071-2735
2-Fluorophenol	3 D	%				01-071-2735
Phenol-d5	27	%				01-071-2735
2,4,6-Tribromophenol	41	%				01-071-2735
Nitrobenzene-d5	23	%				01-071-2735
2-Fluorobiphenyl	51	%				01-071-2735

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7 (2-4)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 08:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81.6	%		30-JUL-01 00:00	CLP 3.0	01-072-82
EPA 8260						
Chloromethane	29	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Vinyl chloride	U	ug/kg	9	09-AUG-01 23:02	EPA 8260	01-082-5996
Chloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Bromomethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,1-Dichloroethene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Acetone	210	ug/kg	110	09-AUG-01 23:02	EPA 8260	01-082-5996
Carbon disulfide	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Methylene chloride	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
trans-1,2-Dichloroethene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,1-Dichloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
cis-1,2-Dichloroethene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
MEK (2-Butanone)	U	ug/kg	110	09-AUG-01 23:02	EPA 8260	01-082-5996
Chloroform	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,1,1-Trichloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Carbon tetrachloride	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Benzene	U	ug/kg	3	09-AUG-01 23:02	EPA 8260	01-082-5996
1,2-Dichloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Trichloroethene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,2-Dichloropropane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Bromodichloromethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
cis-1,3-Dichloropropene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
MIBK (4-Methyl-2-pentanone)	U	ug/kg	43	09-AUG-01 23:02	EPA 8260	01-082-5996
Toluene	27	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
trans-1,3-Dichloropropene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,1,2-Trichloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Tetrachloroethene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
2-Hexanone	U	ug/kg	43	09-AUG-01 23:02	EPA 8260	01-082-5996
Dibromochloromethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Chlorobenzene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Ethylbenzene	780	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
p-Xylene/m-Xylene	1300	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
o-Xylene	750	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Styrene	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
Bromoform	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996
1,1,2,2-Tetrachloroethane	U	ug/kg	21	09-AUG-01 23:02	EPA 8260	01-082-5996

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7 (2-4)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 08:00 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Library Search Compounds:	Result	Units	Qual	Retention Time

Library Search Compounds:	Result	Units	Qual	Retention Time
1,3,5-Trimethylbenzene	510	ug/kg	J	18.42
1,2,4-Trimethylbenzene	1800	ug/kg	J	19.19
4-Isopropyltoluene	1400	ug/kg	J	19.77
1,2,3-Trimethylbenzene	770	ug/kg	J	19.96
Heptane	660	ug/kg	NJ	8.87
methyl Cyclohexane	1700	ug/kg	NJ	9.94
2-methyl Heptane	1700	ug/kg	NJ	11.27
Unknown Hydrocarbon	950	ug/kg	J	11.56
trans-1,3-dimethylcyclohexane	1600	ug/kg	NJ	11.92
Octane	680	ug/kg	NJ	12.45

Library Search Comment:10 library search compounds detected.

Surrogate Recovery:				
Dibromofluoromethane	150	*	%	01-082-5996
Toluene-d8	130	*	%	01-082-5996
4-Bromofluorobenzene	163	*	%	01-082-5996

Analysis Comment:*Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high. Internal standard 4 recovery below limits. Reanalysis performed on 8/27/01, reference #01-082-6156.

Results calculated on a dry weight basis.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-9 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	83.1	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	2.6	mg/kg	1.20	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	55.8	mg/kg	1.67	15-AUG-01 12:55	EPA 6010	01-096-11
Cadmium	0.909	mg/kg	0.523	17-AUG-01 11:40	EPA 6010	01-096-13
Chromium	10.3	mg/kg	1.05	15-AUG-01 12:55	EPA 6010	01-096-11
Lead	10	mg/kg	0.950	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/kg	0.0650	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	UW	mg/kg	0.470	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment: W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.05	17-AUG-01 11:40	EPA 6010	01-096-13
EPA 8260						
Chloromethane	9 B	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Vinyl chloride	U	ug/kg	4	09-AUG-01 23:34	EPA 8260	01-082-5997
Chloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Bromomethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,1-Dichloroethene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Acetone	52	ug/kg	44	09-AUG-01 23:34	EPA 8260	01-082-5997
Carbon disulfide	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Methylene chloride	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
trans-1,2-Dichloroethene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,1-Dichloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
cis-1,2-Dichloroethene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
MEK(2-Butanone)	U	ug/kg	44	09-AUG-01 23:34	EPA 8260	01-082-5997
Chloroform	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,1,1-Trichloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Carbon tetrachloride	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Benzene	U	ug/kg	1	09-AUG-01 23:34	EPA 8260	01-082-5997
1,2-Dichloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68160 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-9 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,2-Dichloropropane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Bromodichloromethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
cis-1,3-Dichloropropene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
MIBK(4-Methyl-2-pentanone)	U	ug/kg	18	09-AUG-01 23:34	EPA 8260	01-082-5997
Toluene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
trans-1,3-Dichloropropene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,1,2-Trichloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Tetrachloroethene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
2-Hexanone	U	ug/kg	18	09-AUG-01 23:34	EPA 8260	01-082-5997
Dibromochloromethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Chlorobenzene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Ethylbenzene	190	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
p-Xylene/m-Xylene	360	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
o-Xylene	37	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Styrene	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
Bromoform	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997
1,1,2,2-Tetrachloroethane	U	ug/kg	9	09-AUG-01 23:34	EPA 8260	01-082-5997

Library Search Compounds:	Result	Units	Qual	Retention Time

No library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	115	%		01-082-5997
Toluene-d8	116	*	%	01-082-5997
4-Bromofluorobenzene	798	*	%	01-082-5997

Analysis Comment:* - Surrogate recovery below limit. Int std 4 below limit, confirm file C6000 & C6001. B - Analyte detected in method blank.

Results calculated on a dry weight basis.

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Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8082						
PCB 1016	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1221	U	ug/kg	240	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1232	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1242	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1248	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1254	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
PCB 1260	U	ug/kg	120	03-AUG-01 04:56	EPA 8082	01-124-7659
Extraction Information:				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	68	%				01-124-7659
Decachlorobiphenyl	109	%				01-124-7659
EPA 8270						
Bis(2-chloroethylether)	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Phenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Chlorophenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
1,3-Dichlorobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
1,4-Dichlorobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
1,2-Dichlorobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Bis(2-chloroisopropylether)	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Methylphenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Hexachloroethane	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
N-Nitrosodi-N-propylamine	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
3-Methylphenol/4-Methylphenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Nitrobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Isophorone	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Nitrophenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4-Dimethylphenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Bis(2-chloroethoxymethane)	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4-Dichlorophenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
1,2,4-Trichlorobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Naphthalene	2400	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Chloroaniline	U	ug/kg	600	07-AUG-01 10:42	EPA 8270	01-071-2734
Hexachlorobutadiene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Chloro-3-methylphenol	U	ug/kg	600	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Methylnaphthalene	2200	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Hexachlorocyclopentadiene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4,6-Trichlorophenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4,5-Trichlorophenol	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Results calculated on a dry weight basis.						

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Chloronaphthalene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Nitroaniline	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
Dimethyl phthalate	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Acenaphthylene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,6-Dinitrotoluene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
3-Nitroaniline	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
Acenaphthene	1500	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4-Dinitrophenol	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
Dibenzofuran	790	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
2,4-Dinitrotoluene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Nitrophenol	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
Diethyl phthalate	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Fluorene	1200	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Chlorophenylphenylether	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Nitroaniline	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
N-Nitrosodiphenylamine	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
4-Bromophenylphenylether	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Hexachlorobenzene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Pentachlorophenol	U	ug/kg	1200	07-AUG-01 10:42	EPA 8270	01-071-2734
Phenanthrene	3100	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Anthracene	930	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Carbazole	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Di-n-butyl phthalate	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Fluoranthene	1400	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Pyrene	1200	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Butylbenzyl phthalate	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Benzo(a)anthracene	480	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
3,3-Dichlorobenzidine	U	ug/kg	600	07-AUG-01 10:42	EPA 8270	01-071-2734
Chrysene	390	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Bis-2-ethylhexyl phthalate	1400	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Di-n-octyl phthalate	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Benzo(b)fluoranthene	340	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Benzo(k)fluoranthene	180 J	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Benzo(a)pyrene	310	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Dibenzo(a,h)anthracene	U	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734
Benzo(g,h,i)perylene	110 J	ug/kg	300	07-AUG-01 10:42	EPA 8270	01-071-2734

Results calculated on a dry weight basis.

Page 25 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-9 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time

1,2,3-Trimethyl Benzene	1300	ug/kg	J	10.12
Unknown Hydrocarbon	2500	ug/kg	J	10.83
1-Methyl 4 (1-methylethyl) Benzene	1300	ug/kg	J	10.93
Butyl Cyclohexane	1000	ug/kg	J	11.07
Unknown Hydrocarbon	2300	ug/kg	J	11.68
4 Methyl Decane	1600	ug/kg	J	11.76
Unknown Cyclic	1100	ug/kg	J	12.34
Aromatic	1700	ug/kg	J	13.85
2,6-Dimethyl Undecane	1600	ug/kg	J	15.07
1-Methyl Naphthalene	2000	ug/kg	N	17.13
1,7-Dimethyl Naphthalene	1700	ug/kg	J	18.83
1,3-Dimethyl Naphthalene	2000	ug/kg	J	19.06
2,7-Dimethyl Naphthalene	1000	ug/kg	J	19.13
1,3-Dimethyl Naphthalene	1100	ug/kg	J	19.4
Unknown	3700	ug/kg	J	27.83

Surrogate Recovery:

Terphenyl-d14	57	%	01-071-2734
2-Fluorophenol	51	%	01-071-2734
Phenol-d5	52	%	01-071-2734
2,4,6-Tribromophenol	55	%	01-071-2734
Nitrobenzene-d5	52	%	01-071-2734
2-Fluorobiphenyl	52	%	01-071-2734

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MS, SB-9 (6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	4.3	mg/kg	1.10	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	253	mg/kg	1.59	15-AUG-01 12:58	EPA 6010	01-096-11
Cadmium	5.5	mg/kg	0.497	17-AUG-01 11:43	EPA 6010	01-096-13
Chromium	30	mg/kg	0.994	15-AUG-01 12:58	EPA 6010	01-096-11
Lead	9.7	mg/kg	1.07	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	0.33	mg/kg	0.0570	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	1	mg/kg	0.540	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	5.21	mg/kg	0.994	17-AUG-01 11:43	EPA 6010	01-096-13
EPA 8260						
Chloromethane	110	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Vinyl chloride	61	ug/kg	4	10-AUG-01 01:11	EPA 8260	01-082-6000
Chloroethane	68	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Bromomethane	53	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
1,1-Dichloroethene	44	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Acetone	240	ug/kg	50	10-AUG-01 01:11	EPA 8260	01-082-6000
Carbon disulfide	92	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Methylene chloride	59	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
trans-1,2-Dichloroethene	29	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
1,1-Dichloroethane	41	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
cis-1,2-Dichloroethene	35	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
MEK(2-Butanone)	180	ug/kg	50	10-AUG-01 01:11	EPA 8260	01-082-6000
Chloroform	33	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
1,1,1-Trichloroethane	33	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Carbon tetrachloride	40	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Benzene	31	ug/kg	1	10-AUG-01 01:11	EPA 8260	01-082-6000
1,2-Dichloroethane	35	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Trichloroethene	42	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
1,2-Dichloropropane	45	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Bromodichloromethane	54	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
cis-1,3-Dichloropropene	43	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
MIBK(4-Methyl-2-pentanone)	190	ug/kg	20	10-AUG-01 01:11	EPA 8260	01-082-6000
Toluene	42	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
trans-1,3-Dichloropropene	24	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000

Results calculated on a dry weight basis.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 27 of 122

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MS, SB-9 (6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	26	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Tetrachloroethene	31	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
2-Hexanone	480 E	ug/kg	20	10-AUG-01 01:11	EPA 8260	01-082-6000
Dibromochloromethane	28	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Chlorobenzene	57	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Ethylbenzene	210	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
p-Xylene/m-Xylene	440 E	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
o-Xylene	78	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Styrene	45	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Bromoform	27	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
1,1,2,2-Tetrachloroethane	130	ug/kg	10	10-AUG-01 01:11	EPA 8260	01-082-6000
Surrogate Recovery:						
Dibromofluoromethane	90	%				01-082-6000
Toluene-d8	97	%				01-082-6000
4-Bromofluorobenzene	645 *	%				01-082-6000

Analysis Comment: E - Over calibration range, result is estimated. * - Surrogate recovery above limit. Int std 4 below limit, confirm file # C6001 & C5997.

EPA 8082

PCB 1016	U	%	120	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1221	U	ug/kg	240	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1232	U	ug/kg	120	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1242	U	ug/kg	120	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1248	U	ug/kg	120	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1254	U	ug/kg	120	03-AUG-01 05:28	EPA 8082	01-124-7660
PCB 1260	U	%	120	03-AUG-01 05:28	EPA 8082	01-124-7660

Extraction Information:

				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	58	%				01-124-7660
Decachlorobiphenyl	107	%				01-124-7660

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MS, SB-9 (6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis (2-chloroethylether)	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Phenol	4200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Chlorophenol	4000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
1,3-Dichlorobenzene	1800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
1,4-Dichlorobenzene	1800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
1,2-Dichlorobenzene	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Bis (2-chloroisopropylether)	1800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Methylphenol	2000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Hexachloroethane	1800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
N-Nitrosodi-N-propylamine	2000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
3-Methylphenol/4-Methylphenol	2000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Nitrobenzene	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Isophorone	1700	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Nitrophenol	4300	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4-Dimethylphenol	4400	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Bis (2-chloroethoxymethane)	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4-Dichlorophenol	4400	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
1,2,4-Trichlorobenzene	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Naphthalene	4300	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Chloroaniline	370 J	ug/kg	600	07-AUG-01 12:30	EPA 8270	01-071-2736
Hexachlorobutadiene	1600	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Chloro-3-methylphenol	4500	ug/kg	600	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Methylnaphthalene	4200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Hexachlorocyclopentadiene	820	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4,6-Trichlorophenol	4500	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4,5-Trichlorophenol	2100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Chloronaphthalene	2100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2-Nitroaniline	2100	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
Dimethyl phthalate	2200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Acenaphthylene	2100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,6-Dinitrotoluene	2100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
3-Nitroaniline	2100	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
Acenaphthene	3400	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4-Dinitrophenol	3600	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
Dibenzofuran	2800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
2,4-Dinitrotoluene	2200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Nitrophenol	5000	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
Diethyl phthalate	U	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Fluorene	3100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Chlorophenylphenylether	2200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Nitroaniline	1900	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736

Results calculated on a dry weight basis.

Page 29 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MS, SB-9 (6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methyl-4,6-dinitrophenol	5100	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
N-Nitrosodiphenylamine	2300	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
4-Bromophenylphenylether	2200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Hexachlorobenzene	2200	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Pentachlorophenol	5100	ug/kg	1200	07-AUG-01 12:30	EPA 8270	01-071-2736
Phenanthrene	5000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Anthracene	3100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Carbazole	U	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Di-n-butyl phthalate	2400	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Fluoranthene	3700	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Pyrene	3300	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Butylbenzyl phthalate	2300	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Benzo(a)anthracene	2800	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
3,3-Dichlorobenzidine	1300	ug/kg	600	07-AUG-01 12:30	EPA 8270	01-071-2736
Chrysene	2900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Bis-2-ethylhexyl phthalate	4000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Di-n-octyl phthalate	2000	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Benzo(b)fluoranthene	2500	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Benzo(k)fluoranthene	2600	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Benzo(a)pyrene	2600	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Indeno(1,2,3-cd)pyrene	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Dibenzo(a,h)anthracene	1900	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736
Benzo(g,h,i)perylene	2100	ug/kg	300	07-AUG-01 12:30	EPA 8270	01-071-2736

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Surrogate Recovery:

Terphenyl-d14	60	%	01-071-2736
2-Fluorophenol	48	%	01-071-2736
Phenol-d5	50	%	01-071-2736
2,4,6-Tribromophenol	58	%	01-071-2736
Nitrobenzene-d5	53	%	01-071-2736
2-Fluorobiphenyl	53	%	01-071-2736

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MSD/DUP, SB-9(6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	2.6	mg/kg	1.20	13-AUG-01 00:00	EPA 7060	00-026-76
Barium	58.5	mg/kg	1.56	15-AUG-01 01:01	EPA 6010	01-096-11
Cadmium	0.533	mg/kg	0.490	17-AUG-01 11:46	EPA 6010	01-096-13
Chromium	10.8	mg/kg	0.978	15-AUG-01 01:01	EPA 6010	01-096-11
Lead	11	mg/kg	0.960	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	0.057	mg/kg	0.0560	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	U	mg/kg	0.480	10-AUG-01 00:00	EPA 7741	98-201-76
Silver	U	mg/kg	0.978	17-AUG-01 11:46	EPA 6010	01-096-13
EPA 8260						
Chloromethane	91	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Vinyl chloride	54	ug/kg	4	10-AUG-01 01:43	EPA 8260	01-082-6001
Chloroethane	53	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Bromomethane	52	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
1,1-Dichloroethene	49	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Acetone	240	ug/kg	49	10-AUG-01 01:43	EPA 8260	01-082-6001
Carbon disulfide	100	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Methylene chloride	55	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
trans-1,2-Dichloroethene	48	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
1,1-Dichloroethane	50	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
cis-1,2-Dichloroethene	51	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
MEK(2-Butanone)	200	ug/kg	49	10-AUG-01 01:43	EPA 8260	01-082-6001
Chloroform	51	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
1,1,1-Trichloroethane	45	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Carbon tetrachloride	49	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Benzene	48	ug/kg	1	10-AUG-01 01:43	EPA 8260	01-082-6001
1,2-Dichloroethane	47	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Trichloroethene	44	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
1,2-Dichloropropane	46	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Bromodichloromethane	48	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
cis-1,3-Dichloropropene	43	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
MIBK(4-Methyl-2-pentanone)	240	ug/kg	20	10-AUG-01 01:43	EPA 8260	01-082-6001
Toluene	46	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
trans-1,3-Dichloropropene	43	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MSD/DUP, SB-9(6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	44	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Tetrachloroethene	34	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
2-Hexanone	420 E	ug/kg	20	10-AUG-01 01:43	EPA 8260	01-082-6001
Dibromochloromethane	44	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Chlorobenzene	52	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Ethylbenzene	180	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
p-Xylene/m-Xylene	360	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
o-Xylene	64	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Styrene	38	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Bromoform	31	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
1,1,2,2-Tetrachloroethane	110	ug/kg	10	10-AUG-01 01:43	EPA 8260	01-082-6001
Surrogate Recovery:						
Dibromofluoromethane	121	%				01-082-6001
Toluene-d8	109	%				01-082-6001
4-Bromofluorobenzene	602 *	%				01-082-6001

Analysis Comment: * - Surrogate recovery above limit. Int std 4 below limit, confirm file # C6000 & C5997. E - Over the calibration range, result is estimated.

EPA 8082

PCB 1016	U	%	120	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1221	U	ug/kg	240	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1232	U	ug/kg	120	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1242	U	ug/kg	120	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1248	U	ug/kg	120	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1254	U	ug/kg	120	03-AUG-01 05:59	EPA 8082	01-124-7661
PCB 1260	U	%	120	03-AUG-01 05:59	EPA 8082	01-124-7661

Extraction Information:

				30-JUL-01 00:00	EPA 3540	01-114-19
Surrogate Recovery:						
Tetrachloro-m-xylene	67	%				01-124-7661
Decachlorobiphenyl	107	%				01-124-7661

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MSD/DUP,SB-9(6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis(2-chloroethylether)	1900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Phenol	4100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Chlorophenol	4000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
1,3-Dichlorobenzene	1600	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
1,4-Dichlorobenzene	1700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
1,2-Dichlorobenzene	1700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Bis(2-chloroisopropylether)	1700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Methylphenol	1900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Hexachloroethane	1700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
N-Nitrosodi-N-propylamine	2300	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
3-Methylphenol/4-Methylphenol	2000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Nitrobenzene	1800	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Isophorone	980	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Nitrophenol	4000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4-Dimethylphenol	4200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Bis(2-chloroethoxymethane)	1900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4-Dichlorophenol	4200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
1,2,4-Trichlorobenzene	1700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Naphthalene	6100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Chloroaniline	750	ug/kg	600	07-AUG-01 13:24	EPA 8270	01-071-2737
Hexachlorobutadiene	1500	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Chloro-3-methylphenol	4500	ug/kg	600	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Methylnaphthalene	5600	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Hexachlorocyclopentadiene	970	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4,6-Trichlorophenol	4700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4,5-Trichlorophenol	2100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Chloronaphthalene	2000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2-Nitroaniline	2000	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
Dimethyl phthalate	2100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Acenaphthylene	2000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,6-Dinitrotoluene	2100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
3-Nitroaniline	2100	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
Acenaphthene	3900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4-Dinitrophenol	3800	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
Dibenzofuran	3100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
2,4-Dinitrotoluene	2200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Nitrophenol	4700	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
Diethyl phthalate	U	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Fluorene	3600	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Chlorophenylphenylether	2100	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Nitroaniline	1900	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737

Results calculated on a dry weight basis.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L73300-6MSD/DUP,SB-9(6-8)
Description: L73300-6
Sampled On: 26-JUL-01 16:40 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2-Methyl-4,6-dinitrophenol	5100	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
N-Nitrosodiphenylamine	2300	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
4-Bromophenylphenylether	2200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Hexachlorobenzene	2200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Pentachlorophenol	4800	ug/kg	1200	07-AUG-01 13:24	EPA 8270	01-071-2737
Phenanthrene	5900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Anthracene	3400	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Carbazole	U	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Di-n-butyl phthalate	2300	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Fluoranthene	4000	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Pyrene	3800	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Butylbenzyl phthalate	2400	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Benzo(a)anthracene	2900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
3,3-Dichlorobenzidine	1400	ug/kg	600	07-AUG-01 13:24	EPA 8270	01-071-2737
Chrysene	2900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Bis-2-ethylhexyl phthalate	3400	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Di-n-octyl phthalate	2200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Benzo(b)fluoranthene	2800	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Benzo(k)fluoranthene	2600	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Benzo(a)pyrene	2700	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Indeno(1,2,3-cd)pyrene	1900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Dibenzo(a,h)anthracene	1900	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737
Benzo(g,h,i)perylene	2200	ug/kg	300	07-AUG-01 13:24	EPA 8270	01-071-2737

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Surrogate Recovery:

Terphenyl-d14	62	%	01-071-2737
2-Fluorophenol	47	%	01-071-2737
Phenol-d5	48	%	01-071-2737
2,4,6-Tribromophenol	58	%	01-071-2737
Nitrobenzene-d5	50	%	01-071-2737
2-Fluorobiphenyl	49	%	01-071-2737

Analysis Comment:Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-10 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	82.3	%		30-JUL-01 00:00	CLP 3.0	01-072-82
Arsenic	1.7	mg/kg	1.50	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	48.2	mg/kg	1.87	15-AUG-01 01:07	EPA 6010	01-096-11
Cadmium	U	mg/kg	0.584	17-AUG-01 11:31	EPA 6010	01-096-13
Chromium	8.64	mg/kg	1.17	15-AUG-01 01:07	EPA 6010	01-096-11
Lead	4.5	mg/kg	1.20	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	0.068	mg/kg	0.0530	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	UW	mg/kg	0.590	10-AUG-01 00:00	EPA 7741	98-201-76
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/kg	1.17	17-AUG-01 11:31	EPA 6010	01-096-13
EPA 8260						
Chloromethane	14 B	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Vinyl chloride	U	ug/kg	5	10-AUG-01 00:07	EPA 8260	01-082-5998
Chloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Bromomethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,1-Dichloroethene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Acetone	89	ug/kg	61	10-AUG-01 00:07	EPA 8260	01-082-5998
Carbon disulfide	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Methylene chloride	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
trans-1,2-Dichloroethene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,1-Dichloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
cis-1,2-Dichloroethene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
MEK(2-Butanone)	U	ug/kg	61	10-AUG-01 00:07	EPA 8260	01-082-5998
Chloroform	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,1,1-Trichloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Carbon tetrachloride	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Benzene	U	ug/kg	2	10-AUG-01 00:07	EPA 8260	01-082-5998
1,2-Dichloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Results calculated on a dry weight basis.						

Page 35 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-10 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Trichloroethene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,2-Dichloropropane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Bromodichloromethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
cis-1,3-Dichloropropene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
MIBK(4-Methyl-2-pentanone)	U	ug/kg	24	10-AUG-01 00:07	EPA 8260	01-082-5998
Toluene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
trans-1,3-Dichloropropene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,1,2-Trichloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Tetrachloroethene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
2-Hexanone	U	ug/kg	24	10-AUG-01 00:07	EPA 8260	01-082-5998
Dibromochloromethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Chlorobenzene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Ethylbenzene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
p-Xylene/m-Xylene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
o-Xylene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Styrene	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
Bromoform	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998
1,1,2,2-Tetrachloroethane	U	ug/kg	12	10-AUG-01 00:07	EPA 8260	01-082-5998

Library Search Compounds:	Result	Units	Qual	Retention Time
1,2,4-Trimethylbenzene	560	ug/kg	NJ	19.22
1,1,3-TrimethylCyclopentane	410	ug/kg	NJ	9.88
2,4-dimethyl Hexane	970	ug/kg	NJ	10.11
1,2,4-Trimethyl Cyclopentane	920	ug/kg	NJ	10.48
1,2,3-Trimethyl Cyclopentane	800	ug/kg	NJ	10.78
3-ethyl-2-methyl Pentane	480	ug/kg	NJ	11.19
3,4-dimethyl Hexane	480	ug/kg	NJ	11.48
1,1,3,4-tetramethyl Cyclopentane	540	ug/kg	NJ	11.69
cis-1,2-dimethyl Cyclohexane	680	ug/kg	NJ	11.91
Unknown Hydrocarbon	400	ug/kg	J	16.66

Library Search Comment:10 library search compounds detected.

Results calculated on a dry weight basis.

Page 36 of 122

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-10 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	106	%				01-082-5998
Toluene-d8	153	%				01-082-5998
4-Bromofluorobenzene	523	%				01-082-5998

Analysis Comment:*Surrogate recovery above acceptance limits due to suspected matrix interference. Positive results may be biased high. Int. std. 4 recovery below limits. Reanalysis performed on 8/27/01,ref #01082-6157. Analyzed outside of holding time.

EPA 8082

PCB 1016	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1221	U	ug/kg	240	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1232	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1242	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1248	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1254	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662
PCB 1260	U	ug/kg	120	03-AUG-01 06:30	EPA 8082	01-124-7662

Extraction Information:

30-JUL-01 00:00 EPA 3540 01-114-19

Surrogate Recovery:						
Tetrachloro-m-xylene	64	%				01-124-7662
Decachlorobiphenyl	115	%				01-124-7662

EPA 8270

Bis(2-chloroethylether)	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Phenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Chlorophenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
1,3-Dichlorobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
1,4-Dichlorobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
1,2-Dichlorobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Bis(2-chloroisopropylether)	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Methylphenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Hexachloroethane	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
N-Nitrosodi-N-propylamine	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
3-Methylphenol/4-Methylphenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Nitrobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Isophorone	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Nitrophenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711

Results calculated on a dry weight basis.

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-10 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dimethylphenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Bis(2-chloroethoxymethane)	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,4-Dichlorophenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
1,2,4-Trichlorobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Naphthalene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Chloroaniline	U	ug/kg	600	03-AUG-01 18:30	EPA 8270	01-071-2711
Hexachlorocyclopentadiene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Chloro-3-methylphenol	U	ug/kg	600	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Methylnaphthalene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Hexachlorocyclopentadiene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,4,6-Trichlorophenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,4,5-Trichlorophenol	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Chloronaphthalene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Nitroaniline	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
Dimethyl phthalate	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Acenaphthylene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,6-Dinitrotoluene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
3-Nitroaniline	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
Acenaphthene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,4-Dinitrophenol	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
Dibenzofuran	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
2,4-Dinitrotoluene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Nitrophenol	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
Diethyl phthalate	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Fluorene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Chlorophenylphenylether	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Nitroaniline	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
2-Methyl-4,6-dinitrophenol	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
N-Nitrosodiphenylamine	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
4-Bromophenylphenylether	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Hexachlorobenzene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Pentachlorophenol	U	ug/kg	1200	03-AUG-01 18:30	EPA 8270	01-071-2711
Phenanthrene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Anthracene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Carbazole	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Di-n-butyl phthalate	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Fluoranthene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Pyrene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Butylbenzyl phthalate	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Benzo(a)anthracene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
3,3-Dichlorobenzidine	U	ug/kg	600	03-AUG-01 18:30	EPA 8270	01-071-2711
Chrysene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Bis-2-ethylhexyl phthalate	510	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711

Results calculated on a dry weight basis.

Page 38 of 122

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: SB-10 (6-8)
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:15 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Di-n-octyl phthalate	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Benzo(b)fluoranthene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Benzo(k)fluoranthene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Benzo(a)pyrene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Dibenzo(a,h)anthracene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711
Benzo(g,h,i)perylene	U	ug/kg	300	03-AUG-01 18:30	EPA 8270	01-071-2711

Extraction Information:

02-AUG-01 00:00 3550 01-068-68

Library Search Compounds:	Result	Units	Qual	Retention Time
Unknown	280	ug/kg	J	25.54

Library Search Comment: One library search compound detected.

Surrogate Recovery:

Terphenyl-d14	78	%	01-071-2711
2-Fluorophenol	69	%	01-071-2711
Phenol-d5	70	%	01-071-2711
2,4,6-Tribromophenol	49	%	01-071-2711
Nitrobenzene-d5	73	%	01-071-2711
2-Fluorobiphenyl	75	%	01-071-2711

Analysis Comment: Results Calculated on a dry weight basis.

Results calculated on a dry weight basis.

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-1
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	U	mg/l	0.005	10-AUG-01 00:00	EPA 7060	00-026-74
Barium	U	mg/l	0.016	15-AUG-01 01:10	EPA 6010	01-096-11
Cadmium	U	mg/l	0.005	17-AUG-01 11:51	EPA 6010	01-096-13
Chromium	U	mg/l	0.010	15-AUG-01 01:10	EPA 6010	01-096-11
Lead	0.008	mg/l	0.001	16-AUG-01 00:00	EPA 7421	01-014-73
Mercury	U	mg/l	0.0002	07-AUG-01 00:00	EPA 7470	01-002-13
Selenium	U	mg/l	0.005	10-AUG-01 00:00	EPA 7740	98-201-76
Silver	U	mg/l	0.010	17-AUG-01 11:51	EPA 6010	01-096-13
EPA 8260						
Chloromethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Vinyl chloride	U	ug/l	2	27-AUG-01 13:01	EPA 8260	01-126-8868
Chloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Bromomethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
1,1-Dichloroethene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Acetone	37	ug/l	25	27-AUG-01 13:01	EPA 8260	01-126-8868
Carbon disulfide	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Methylene chloride	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
trans-1,2-Dichloroethene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
1,1-Dichloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
cis-1,2-Dichloroethene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
MEK(2-Butanone)	U	ug/l	25	27-AUG-01 13:01	EPA 8260	01-126-8868
Chloroform	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
1,1,1-Trichloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Carbon tetrachloride	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Benzene	U	ug/l	0.7	27-AUG-01 13:01	EPA 8260	01-126-8868
1,2-Dichloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Trichloroethene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
1,2-Dichloropropane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Bromodichloromethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
cis-1,3-Dichloropropene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	27-AUG-01 13:01	EPA 8260	01-126-8868
Toluene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
trans-1,3-Dichloropropene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868

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QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-1
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,1,2-Trichloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Tetrachloroethene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
2-Hexanone	U	ug/l	10	27-AUG-01 13:01	EPA 8260	01-126-8868
Dibromochloromethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Chlorobenzene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Ethylbenzene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
p-Xylene/m-Xylene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
o-Xylene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Styrene	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
Bromoform	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868
1,1,2,2-Tetrachloroethane	U	ug/l	5	27-AUG-01 13:01	EPA 8260	01-126-8868

Library Search Compounds:	Result	Units	Qual	Retention Time

No library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	98	%		01-126-8868
Toluene-d8	98	%		01-126-8868
4-Bromofluorobenzene	97	%		01-126-8868

Analysis Comment: Analyzed outside of holding time.

EPA 8082

PCB 1016	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1221	U	ug/l	0.2	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1232	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1242	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1248	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1254	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587
PCB 1260	U	ug/l	0.1	01-AUG-01 14:00	EPA 8082	01-124-7587

Extraction Information:

30-JUL-01 00:00 EPA 3510 01-114-18

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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Lab Sample ID: L73300-10

URS Greiner, Inc.
Robert Henschel
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Buffalo, NY 14202

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Origin: RB-1
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	66	%				01-124-7587
Decachlorobiphenyl	31	%				01-124-7587
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Phenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Chlorophenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
1,3-Dichlorobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
1,4-Dichlorobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
1,2-Dichlorobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Bis(2-chloroisopropylether)	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Methylphenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Hexachloroethane	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
N-Nitrosodi-N-propylamine	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
3-Methylphenol/4-Methylphenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Nitrobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Isophorone	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Nitrophenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4-Dimethylphenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Bis(2-chloroethoxymethane)	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4-Dichlorophenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
1,2,4-Trichlorobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Naphthalene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Chloroaniline	U	ug/l	11	31-JUL-01 17:29	EPA 8270	01-071-2667
Hexachlorobutadiene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Chloro-3-methylphenol	U	ug/l	11	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Methylnaphthalene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Hexachlorocyclopentadiene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4,6-Trichlorophenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4,5-Trichlorophenol	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Chloronaphthalene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Nitroaniline	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
Dimethyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Acenaphthylene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,6-Dinitrotoluene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
3-Nitroaniline	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
Acenaphthene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4-Dinitrophenol	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
Dibenzofuran	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
2,4-Dinitrotoluene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Nitrophenol	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:04-SEP-2001

Lab Sample ID: L73300-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-1
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Fluorene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Chlorophenylphenylether	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Nitroaniline	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
2-Methyl-4,6-dinitrophenol	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
N-Nitrosodiphenylamine	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
4-Bromophenylphenylether	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Hexachlorobenzene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Pentachlorophenol	U	ug/l	21	31-JUL-01 17:29	EPA 8270	01-071-2667
Phenanthrene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Anthracene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Carbazole	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Di-n-butyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Fluoranthene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Pyrene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Butylbenzyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Benzo(a)anthracene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
3,3-Dichlorobenzidine	U	ug/l	11	31-JUL-01 17:29	EPA 8270	01-071-2667
Chrysene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Bis-2-ethylhexyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Di-n-octyl phthalate	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Benzo(b)fluoranthene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Benzo(k)fluoranthene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Benzo(a)pyrene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Indeno(1,2,3-cd)pyrene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Dibenzo(a,h)anthracene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667
Benzo(g,h,i)perylene	U	ug/l	5	31-JUL-01 17:29	EPA 8270	01-071-2667

Extraction Information:

30-JUL-01 00:00 EPA 3510 01-068-64

Library Search Compounds:	Result	Units	Qual	Retention Time

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 04-SEP-2001

Lab Sample ID: L73300-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: RB-1
Description: GRAB, 0500035842.00
Sampled On: 26-JUL-01 17:30 by CLIENT
Date Received: 27-JUL-01 11:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
No library search compounds detected.						
Surrogate Recovery:						
Terphenyl-d14	79	μ				01-071-2667
2-Fluorophenol	29	μ				01-071-2667
Phenol-d5	19	μ				01-071-2667
2,4,6-Tribromophenol	49	μ				01-071-2667
Nitrobenzene-d5	71	μ				01-071-2667
2-Fluorobiphenyl	80	μ				01-071-2667

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-1
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 09:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.011	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.301	mg/l	0.016	22-AUG-01 04:24	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:24	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:24	EPA 6010	01-096-15
Lead	0.007	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 04:24	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1221	U	ug/l	0.2	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1232	U	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1242	U	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1248	U	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1254	0.3	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
PCB 1260	U	ug/l	0.1	16-AUG-01 22:34	EPA 8082	01-124-7914
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49
Surrogate Recovery:						
Tetrachloro-m-xylene	44	%				01-124-7914
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Phenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Chlorophenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
1,3-Dichlorobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
1,4-Dichlorobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
1,2-Dichlorobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Bis(2-chloroisopropylether)	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Methylphenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Hexachloroethane	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
N-Nitrosodi-N-propylamine	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE:
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-1
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 09:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
3-Methylphenol/4-Methylphenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Nitrobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Isophorone	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Nitrophenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4-Dimethylphenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Bis(2-chloroethoxymethane)	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4-Dichlorophenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
1,2,4-Trichlorobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Naphthalene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Chloroaniline	U	ug/l	11	17-AUG-01 13:27	EPA 8270	01-071-2788
Hexachlorobutadiene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Chloro-3-methylphenol	U	ug/l	11	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Methylnaphthalene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Hexachlorocyclopentadiene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4,6-Trichlorophenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4,5-Trichlorophenol	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Chloronaphthalene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Nitroaniline	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
Dimethyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Acenaphthylene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,6-Dinitrotoluene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
3-Nitroaniline	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
Acenaphthene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4-Dinitrophenol	U	ug/l	22	17-AUG-01 13:27	EP	071-2788
Dibenzofuran	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
2,4-Dinitrotoluene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Nitrophenol	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
Diethyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Fluorene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Chlorophenylphenylether	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Nitroaniline	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
2-Methyl-4,6-dinitrophenol	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
N-Nitrosodiphenylamine	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
4-Bromophenylphenylether	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Hexachlorobenzene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Pentachlorophenol	U	ug/l	22	17-AUG-01 13:27	EPA 8270	01-071-2788
Phenanthrene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Anthracene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Carbazole	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Di-n-butyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Fluoranthene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Pyrene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 2 of 69

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-1

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-1
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 09:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Butylbenzyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Benzo(a)anthracene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
3,3-Dichlorobenzidine	U	ug/l	11	17-AUG-01 13:27	EPA 8270	01-071-2788
Chrysene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Bis-2-ethylhexyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Di-n-octyl phthalate	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Benzo(b)fluoranthene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Benzo(k)fluoranthene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Benzo(a)pyrene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Indeno(1,2,3-cd)pyrene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Dibenzo(a,h)anthracene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788
Benzo(g,h,i)perylene	U	ug/l	6	17-AUG-01 13:27	EPA 8270	01-071-2788

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

No library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	45	%		01-071-2788
2-Fluorophenol	41	%		01-071-2788
Phenol-d5	27	%		01-071-2788
2,4,6-Tribromophenol	58	%		01-071-2788
Nitrobenzene-d5	48	%		01-071-2788
2-Fluorobiphenyl	53	%		01-071-2788

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Page 3 of 69

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-2

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-1
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 09:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.289	mg/l	0.016	22-AUG-01 04:27	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:27	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:27	EPA 6010	01-096-15
Lead	U	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 04:27	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs...Since 1963."



ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 10:10 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.005	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.073	mg/l	0.016	22-AUG-01 04:36	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:36	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:36	EPA 6010	01-096-15
Lead	0.002	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 04:36	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1221	U	ug/l	0.2	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1232	U	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1242	U	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1248	U	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1254	0.3	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
PCB 1260	U	ug/l	0.1	16-AUG-01 23:05	EPA 8082	01-124-7915
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49

Report Comment: Temperature as received at lab was 7 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 10:10 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery: Tetrachloro-m-xylene	41	%				01-124-7915
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Phenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Chlorophenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
1,3-Dichlorobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
1,4-Dichlorobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
1,2-Dichlorobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Bis(2-chloroisopropylether)	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Methylphenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Hexachloroethane	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
N-Nitrosodi-N-propylamine	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
3-Methylphenol/4-Methylphenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Nitrobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Isophorone	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Nitrophenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4-Dimethylphenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Bis(2-chloroethoxymethane)	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4-Dichlorophenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
1,2,4-Trichlorobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Naphthalene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Chloroaniline	U	ug/l	11	23-AUG-01 17:39	EPA 8270	01-063-2846
Hexachlorobutadiene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Chloro-3-methylphenol	U	ug/l	11	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Methylnaphthalene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Hexachlorocyclopentadiene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4,6-Trichlorophenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4,5-Trichlorophenol	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Chloronaphthalene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Nitroaniline	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
Dimethyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Acenaphthylene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,6-Dinitrotoluene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
3-Nitroaniline	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
Acenaphthene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4-Dinitrophenol	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
Dibenzofuran	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
2,4-Dinitrotoluene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Nitrophenol	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 10:10 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Fluorene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Chlorophenylphenylether	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Nitroaniline	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
2-Methyl-4,6-dinitrophenol	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
N-Nitrosodiphenylamine	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
4-Bromophenylphenylether	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Hexachlorobenzene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Pentachlorophenol	U	ug/l	22	23-AUG-01 17:39	EPA 8270	01-063-2846
Phenanthrene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Anthracene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Carbazole	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Di-n-butyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Fluoranthene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Pyrene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Butylbenzyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Benzo(a)anthracene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
3,3-Dichlorobenzidine	U	ug/l	11	23-AUG-01 17:39	EPA 8270	01-063-2846
Chrysene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Bis-2-ethylhexyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Di-n-octyl phthalate	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Benzo(b)fluoranthene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Benzo(k)fluoranthene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Benzo(a)pyrene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Indeno(1,2,3-cd)pyrene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Dibenzo(a,h)anthracene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846
Benzo(g,h,i)perylene	U	ug/l	6	23-AUG-01 17:39	EPA 8270	01-063-2846

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

Report Comment: Temperature as received at lab was 7 degrees C.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-3

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 10:10 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
No library search compounds detected.						
Surrogate Recovery:						
Terphenyl-d14	34	%				01-063-2846
2-Fluorophenol	26	%				01-063-2846
Phenol-d5	19	%				01-063-2846
2,4,6-Tribromophenol	40	%				01-063-2846
Nitrobenzene-d5	33 *	%				01-063-2846
2-Fluorobiphenyl	38 *	%				01-063-2846
Analysis Comment: * - Surrogate recovery below limits.						

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-4

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-2
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 10:10 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.081	mg/l	0.016	22-AUG-01 04:39	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:39	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:39	EPA 6010	01-096-15
Lead	0.001	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 04:39	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 7 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-3
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.006	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.749	mg/l	0.016	22-AUG-01 04:42	EPA 6010	01-096-15
Cadmium	0.006	mg/l	0.005	22-AUG-01 04:42	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:42	EPA 6010	01-096-15
Lead	0.013	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 04:42	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1221	U	ug/l	0.2	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1232	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1242	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1248	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1254	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
PCB 1260	U	ug/l	0.1	16-AUG-01 23:37	EPA 8082	01-124-7916
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-3
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	78	%				01-124-7916
Decachlorobiphenyl	38	%				01-124-7916
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Phenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Chlorophenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
1,3-Dichlorobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
1,4-Dichlorobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
1,2-Dichlorobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Bis(2-chloroisopropylether)	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Methylphenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Hexachloroethane	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
N-Nitrosodi-N-propylamine	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
3-Methylphenol/4-Methylphenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Nitrobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Isophorone	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Nitrophenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4-Dimethylphenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Bis(2-chloroethoxymethane)	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4-Dichlorophenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
1,2,4-Trichlorobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Naphthalene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Chloroaniline	U	ug/l	11	24-AUG-01 20:59	EPA 8270	01-063-2861
Hexachlorobutadiene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Chloro-3-methylphenol	U	ug/l	11	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Methylnaphthalene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Hexachlorocyclopentadiene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4,6-Trichlorophenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4,5-Trichlorophenol	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Chloronaphthalene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Nitroaniline	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
Dimethyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Acenaphthylene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,6-Dinitrotoluene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
3-Nitroaniline	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
Acenaphthene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4-Dinitrophenol	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
Dibenzofuran	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
2,4-Dinitrotoluene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Nitrophenol	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-3
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Fluorene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Chlorophenylphenylether	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Nitroaniline	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
2-Methyl-4,6-dinitrophenol	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
N-Nitrosodiphenylamine	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
4-Bromophenylphenylether	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Hexachlorobenzene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Pentachlorophenol	U	ug/l	22	24-AUG-01 20:59	EPA 8270	01-063-2861
Phenanthrene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Anthracene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Carbazole	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Di-n-butyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Fluoranthene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Pyrene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Butylbenzyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Benzo(a)anthracene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
3,3-Dichlorobenzidine	U	ug/l	11	24-AUG-01 20:59	EPA 8270	01-063-2861
Chrysene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Bis-2-ethylhexyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Di-n-octyl phthalate	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Benzo(b)fluoranthene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Benzo(k)fluoranthene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Benzo(a)pyrene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Indeno(1,2,3-cd)pyrene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Dibenzo(a,h)anthracene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861
Benzo(g,h,i)perylene	U	ug/l	6	24-AUG-01 20:59	EPA 8270	01-063-2861

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-5

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MM-3
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
(2,2-dimethyl-1,3-dioxolan-4-yl)-Hexadeca	5	ug/l	N	34.59		
(2,2-dimethyl-1,3-dioxolan-4-yl)-Octdecan	31	ug/l	N	36.63		
Surrogate Recovery:						
Terphenyl-d14	27	*	%			01-063-2861
2-Fluorophenol	32		%			01-063-2861
Phenol-d5	24		%			01-063-2861
2,4,6-Tribromophenol	43		%			01-063-2861
Nitrobenzene-d5	28	*	%			01-063-2861
2-Fluorobiphenyl	25	*	%			01-063-2861
Analysis Comment:* - Surrogate recovery below detection limits.						

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-6

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-3
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.077	mg/l	0.016	22-AUG-01 04:45	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:45	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:45	EPA 6010	01-096-15
Lead	U	mg/l	0.001	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 04:45	EPA 6010	01-096-15

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.01	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.337	mg/l	0.016	22-AUG-01 04:48	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:48	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:48	EPA 6010	01-096-15
Lead	0.096	mg/l	0.020	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 04:48	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1221	U	ug/l	0.2	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1232	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1242	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1248	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1254	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917
PCB 1260	U	ug/l	0.1	17-AUG-01 00:08	EPA 8082	01-124-7917

Extraction Information:

15-AUG-01 00:00 EPA 3510 01-114-49

Surrogate Recovery:

Tetrachloro-m-xylene 27 * *

01-124-7917

Analysis Comment:* - Surrogate recovery below limit.

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Phenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Chlorophenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
1,3-Dichlorobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
1,4-Dichlorobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
1,2-Dichlorobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Bis(2-chloroisopropylether)	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Methylphenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Hexachloroethane	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
N-Nitrosodi-N-propylamine	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
3-Methylphenol/4-Methylphenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Nitrobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Isophorone	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Nitrophenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4-Dimethylphenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Bis(2-chloroethoxymethane)	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4-Dichlorophenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
1,2,4-Trichlorobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Naphthalene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
4-Chloroaniline	U	ug/l	11	23-AUG-01 18:37	EPA 8270	01-063-2847
Hexachlorobutadiene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
4-Chloro-3-methylphenol	U	ug/l	11	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Methylnaphthalene	12	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Hexachlorocyclopentadiene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4,6-Trichlorophenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4,5-Trichlorophenol	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Chloronaphthalene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Nitroaniline	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
Dimethyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Acenaphthylene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,6-Dinitrotoluene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
3-Nitroaniline	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
Acenaphthene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4-Dinitrophenol	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
Dibenzofuran	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
2,4-Dinitrotoluene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
4-Nitrophenol	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
Diethyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Fluorene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
4-Chlorophenylphenylether	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847

Report Comment: Temperature as received at lab was 9 degrees C.

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitroaniline	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
2-Methyl-4,6-dinitrophenol	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
N-Nitrosodiphenylamine	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
4-Bromophenylphenylether	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Hexachlorobenzene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Pentachlorophenol	U	ug/l	22	23-AUG-01 18:37	EPA 8270	01-063-2847
Phenanthrene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Anthracene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Carbazole	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Di-n-butyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Fluoranthene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Pyrene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Butylbenzyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Benzo(a)anthracene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
3,3-Dichlorobenzidine	U	ug/l	11	23-AUG-01 18:37	EPA 8270	01-063-2847
Chrysene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Bis-2-ethylhexyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Di-n-octyl phthalate	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Benzo(b)fluoranthene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Benzo(k)fluoranthene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Benzo(a)pyrene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Indeno(1,2,3-cd)pyrene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Dibenzo(a,h)anthracene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Benzo(g,h,i)perylene	U	ug/l	5	23-AUG-01 18:37	EPA 8270	01-063-2847
Extraction Information:				13-AUG-01 00:00	EPA 3510	01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time
2,6,10,14-tetramethyl Heptadecane	19	ug/l	N	19.79
1,7-dimethyl Naphthalene	39	ug/l	N	20.59

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-7

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
2,3-dimethyl Naphthalene	51	ug/l	N	20.74		
2,6-dimethyl Naphthalene	28	ug/l	N	20.82		
2,3-dimethyl Naphthalene	15	ug/l	N	21.1		
Dodecane	32	ug/l	N	21.27		
1,7-dimethyl Naphthalene	16	ug/l	N	21.35		
2-(1-methylethyl)-Naphthalene	19	ug/l	N	22.21		
1,6,7-trimethyl Naphthalene	21	ug/l	N	22.52		
1,6,7-trimethyl Naphthalene	22	ug/l	N	22.65		
1,4,6-trimethyl Naphthalene	24	ug/l	N	22.88		
1,4,6-trimethyl Naphthalene	23	ug/l	N	22.97		
Unknown Hydrocarbon	28	ug/l	J	24.28		
2,6,10,14-tetramethyl Pentadecane	42	ug/l	N	25.13		
2,7,10-trimethyl Dodecane	35	ug/l	N	26.61		
Surrogate Recovery:						
Terphenyl-d14	20	*	%			01-063-2847
2-Fluorophenol	42	*	%			01-063-2847
Phenol-d5	28	*	%			01-063-2847
2,4,6-Tribromophenol	66	*	%			01-063-2847
Nitrobenzene-d5	23	*	%			01-063-2847
2-Fluorobiphenyl	23	*	%			01-063-2847
Analysis Comment:* - Surrogate recovery below limits.						

Report Comment: Temperature as received at lab was 9 degrees C.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MS, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.03	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	2.21	mg/l	0.016	22-AUG-01 04:51	EPA 6010	01-096-15
Cadmium	0.053	mg/l	0.005	22-AUG-01 04:51	EPA 6010	01-096-15
Chromium	0.189	mg/l	0.010	22-AUG-01 04:51	EPA 6010	01-096-15
Lead	0.1	mg/l	0.020	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	0.001	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	0.01	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	0.043	mg/l	0.010	22-AUG-01 04:51	EPA 6010	01-096-15
EPA 8082						
PCB 1016	47.87	%		17-AUG-01 00:39	EPA 8082	01-124-7918
PCB 1260	46.56	%		17-AUG-01 00:39	EPA 8082	01-124-7918
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49
Surrogate Recovery:						
Tetrachloro-m-xylene	40	%				01-124-7918
EPA 8270						
Bis(2-chloroethylether)	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Phenol	35	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Chlorophenol	74	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
1,3-Dichlorobenzene	7	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
1,4-Dichlorobenzene	8	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
1,2-Dichlorobenzene	8	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Bis(2-chloroisopropylether)	9	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Methylphenol	31	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Hexachloroethane	8	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
N-Nitrosodi-N-propylamine	13	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
3-Methylphenol/4-Methylphenol	31	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Nitrobenzene	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Isophorone	9	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Nitrophenol	87	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MS, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
2,4-Dimethylphenol	88	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Bis(2-chloroethoxymethane)	10	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,4-Dichlorophenol	87	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
1,2,4-Trichlorobenzene	9	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Naphthalene	10	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Chloroaniline	U	ug/l	11	24-AUG-01 19:05	EPA 8270	01-063-2859
Hexachlorobutadiene	8	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Chloro-3-methylphenol	97	ug/l	11	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Methylnaphthalene	21	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Hexachlorocyclopentadiene	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,4,6-Trichlorophenol	86	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,4,5-Trichlorophenol	42	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Chloronaphthalene	10	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Nitroaniline	U	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
Dimethyl phthalate	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Acenaphthylene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,6-Dinitrotoluene	10	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
3-Nitroaniline	U	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
Acenaphthene	15	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,4-Dinitrophenol	59	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
Dibenzofuran	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
2,4-Dinitrotoluene	15	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Nitrophenol	50	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
Diethyl phthalate	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Fluorene	14	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Chlorophenylphenylether	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Nitroaniline	U	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
2-Methyl-4,6-dinitrophenol	89	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
N-Nitrosodiphenylamine	17	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
4-Bromophenylphenylether	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Hexachlorobenzene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Pentachlorophenol	U	ug/l	22	24-AUG-01 19:05	EPA 8270	01-063-2859
Phenanthrene	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Anthracene	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Carbazole	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Di-n-butyl phthalate	8	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Fluoranthene	12	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Pyrene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Butylbenzyl phthalate	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Benzo(a)anthracene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
3,3-Dichlorobenzidine	U	ug/l	11	24-AUG-01 19:05	EPA 8270	01-063-2859
Chrysene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Bis-2-ethylhexyl phthalate	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-8

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MS, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Di-n-octyl phthalate	13	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Benzo(b)fluoranthene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Benzo(k)fluoranthene	14	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Benzo(a)pyrene	11	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Indeno(1,2,3-cd)pyrene	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Dibenzo(a,h)anthracene	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859
Benzo(g,h,i)perylene	U	ug/l	5	24-AUG-01 19:05	EPA 8270	01-063-2859

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Surrogate Recovery:

Terphenyl-d14	18	*	%	01-063-2859
2-Fluorophenol	37	*	%	01-063-2859
Phenol-d5	27		%	01-063-2859
2,4,6-Tribromophenol	84		%	01-063-2859
Nitrobenzene-d5	21	*	%	01-063-2859
2-Fluorobiphenyl	18		%	01-063-2859

Analysis Comment:* - Surrogate recovery below limits.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MSD/DUP, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.011	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.341	mg/l	0.016	22-AUG-01 04:54	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 04:54	EPA 6010	01-096-15
Chromium	0.014	mg/l	0.010	22-AUG-01 04:54	EPA 6010	01-096-15
Lead	0.094	mg/l	0.020	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 04:54	EPA 6010	01-096-15
EPA 8082						
PCB 1016	47.28	%		17-AUG-01 01:10	EPA 8082	01-124-7919
PCB 1260	38.81	%		17-AUG-01 01:10	EPA 8082	01-124-7919
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49
Surrogate Recovery:						
Tetrachloro-m-xylene	36	%				01-124-7919
EPA 8270						
Bis(2-chloroethylether)	22	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Phenol	35	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Chlorophenol	73	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
1,3-Dichlorobenzene	16	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
1,4-Dichlorobenzene	17	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
1,2-Dichlorobenzene	16	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Bis(2-chloroisopropylether)	20	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Methylphenol	32	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Hexachloroethane	16	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
N-Nitrosodi-N-propylamine	25	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
3-Methylphenol/4-Methylphenol	32	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Nitrobenzene	23	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Isophorone	20	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Nitrophenol	82	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4-Dimethylphenol	90	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MSD/DUP, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Bis(2-chloroethoxymethane)	20	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4-Dichlorophenol	83	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
1,2,4-Trichlorobenzene	19	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Naphthalene	22	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Chloroaniline	14	ug/l	11	24-AUG-01 20:02	EPA 8270	01-063-2860
Hexachlorobutadiene	17	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Chloro-3-methylphenol	97	ug/l	11	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Methylnaphthalene	58	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Hexachlorocyclopentadiene	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4,6-Trichlorophenol	87	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4,5-Trichlorophenol	38	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Chloronaphthalene	22	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Nitroaniline	29	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
Dimethyl phthalate	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Acenaphthylene	24	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,6-Dinitrotoluene	23	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
3-Nitroaniline	U	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
Acenaphthene	34	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4-Dinitrophenol	72	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
Dibenzofuran	27	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
2,4-Dinitrotoluene	35	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Nitrophenol	U	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
Diethyl phthalate	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Fluorene	31	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Chlorophenylphenylether	26	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Nitroaniline	U	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
2-Methyl-4,6-dinitrophenol	90	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
N-Nitrosodiphenylamine	11	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
4-Bromophenylphenylether	24	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Hexachlorobenzene	24	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Pentachlorophenol	U	ug/l	22	24-AUG-01 20:02	EPA 8270	01-063-2860
Phenanthrene	25	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Anthracene	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Carbazole	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Di-n-butyl phthalate	17	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Fluoranthene	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Pyrene	23	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Butylbenzyl phthalate	11	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Benzo(a)anthracene	23	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
3,3-Dichlorobenzidine	U	ug/l	11	24-AUG-01 20:02	EPA 8270	01-063-2860
Chrysene	23	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Bis-2-ethylhexyl phthalate	22	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Di-n-octyl phthalate	35	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-9

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L72479-7MSD/DUP, MW-4
Description: L74279-7
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Benzo(b)fluoranthene	24	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Benzo(k)fluoranthene	32	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Benzo(a)pyrene	24	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Indeno(1,2,3-cd)pyrene	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Dibenzo(a,h)anthracene	11	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860
Benzo(g,h,i)perylene	U	ug/l	6	24-AUG-01 20:02	EPA 8270	01-063-2860

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Surrogate Recovery:

Terphenyl-d14	34	†				01-063-2860
2-Fluorophenol	36	*	†			01-063-2860
Phenol-d5	26		†			01-063-2860
2,4,6-Tribromophenol	79		†			01-063-2860
Nitrobenzene-d5	41		†			01-063-2860
2-Fluorobiphenyl	36		†			01-063-2860

Analysis Comment:* - Surrogate recovery below limits.

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-10

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-4
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.233	mg/l	0.016	22-AUG-01 05:11	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:11	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:11	EPA 6010	01-096-15
Lead	0.007	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 05:11	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-11

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-10MS, DISS. MW-4
Description: L74279-10
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	2.22	mg/l	0.016	22-AUG-01 05:14	EPA 6010	01-096-15
Cadmium	0.056	mg/l	0.005	22-AUG-01 05:14	EPA 6010	01-096-15
Chromium	0.204	mg/l	0.010	22-AUG-01 05:14	EPA 6010	01-096-15
Lead	0.017	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	0.0011	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	0.01	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	0.046	mg/l	0.010	22-AUG-01 05:14	EPA 6010	01-096-15

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-12

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-10MSD/DUP,DISS.-4
Description: L74279-10
Sampled On: 08-AUG-01 14:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.224	mg/l	0.016	22-AUG-01 05:17	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:17	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:17	EPA 6010	01-096-15
Lead	0.007	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 05:17	EPA 6010	01-096-15

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 12:50 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.011	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	2.39	mg/l	0.016	22-AUG-01 04:59	EPA 6010	01-096-15
Cadmium	0.022	mg/l	0.005	22-AUG-01 04:59	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 04:59	EPA 6010	01-096-15
Lead	0.58	mg/l	0.006	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 04:59	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1221	U	ug/l	1	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1232	U	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1242	U	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1248	U	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1254	U	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
PCB 1260	11	ug/l	0.5	22-AUG-01 08:56	EPA 8082	01-124-7948
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49

Report Comment: Temperature as received at lab was 9 degrees C.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: NW-5
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 12:50 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	148	%				01-124-7948
Decachlorobiphenyl	99	%				01-124-7948
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Phenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Chlorophenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
1,3-Dichlorobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
1,4-Dichlorobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
1,2-Dichlorobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Bis(2-chloroisopropylether)	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Methylphenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Hexachloroethane	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
N-Nitrosodi-N-propylamine	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
3-Methylphenol/4-Methylphenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Nitrobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Isophorone	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Nitrophenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4-Dimethylphenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Bis(2-chloroethoxymethane)	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4-Dichlorophenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
1,2,4-Trichlorobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Naphthalene	59	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
4-Chloroaniline	U	ug/l	110	27-AUG-01 16:42	EPA 8270	01-063-2866
Hexachlorobutadiene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
4-Chloro-3-methylphenol	U	ug/l	110	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Methylnaphthalene	800	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Hexachlorocyclopentadiene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4,6-Trichlorophenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4,5-Trichlorophenol	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Chloronaphthalene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Nitroaniline	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
Dimethyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Acenaphthylene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,6-Dinitrotoluene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
3-Nitroaniline	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
Acenaphthene	65	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4-Dinitrophenol	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
Dibenzofuran	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
2,4-Dinitrotoluene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 12:50 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
Diethyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Fluorene	93	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
4-Chlorophenylphenylether	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
4-Nitroaniline	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
2-Methyl-4,6-dinitrophenol	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
N-Nitrosodiphenylamine	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
4-Bromophenylphenylether	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Hexachlorobenzene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Pentachlorophenol	U	ug/l	230	27-AUG-01 16:42	EPA 8270	01-063-2866
Phenanthrene	220	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Anthracene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Carbazole	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Di-n-butyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Fluoranthene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Pyrene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Butylbenzyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Benzo(a)anthracene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
3,3-Dichlorobenzidine	U	ug/l	110	27-AUG-01 16:42	EPA 8270	01-063-2866
Chrysene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Bis-2-ethylhexyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Di-n-octyl phthalate	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Benzo(b)fluoranthene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Benzo(k)fluoranthene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Benzo(a)pyrene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Indeno(1,2,3-cd)pyrene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Dibenzo(a,h)anthracene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866
Benzo(g,h,i)perylene	U	ug/l	57	27-AUG-01 16:42	EPA 8270	01-063-2866

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-13

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 12:50 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
cis-1,4-dimethyl Cyclohexane	490	ug/l	N	11.32		
4-methyl Decane	530	ug/l	N	12.3		
Unknown Aromatic	460	ug/l	J	13.23		
Unknown Cyclic	420	ug/l	J	13.65		
3,6-dimethyl Undecane	510	ug/l	N	16.58		
Unknown Hydrocarbon	550	ug/l	J	17.74		
2,7,10-trimethyl Dodecane	570	ug/l	N	19.67		
1-ethyl Naphthalene	460	ug/l	N	20.15		
2,6-dimethyl Naphthalene	650	ug/l	N	20.37		
1,4-dimethyl Naphthalene	870	ug/l	N	20.63		
2,6-dimethyl Naphthalene	610	ug/l	N	20.7		
Tetradecane	680	ug/l	N	21.15		
1,4,6-trimethyl Naphthalene	530	ug/l	N	22.83		
7-ethyl-1,4-dimethyl Azulene	470	ug/l	N	24.68		
2,6,10,14-tetramethyl Pentadecane	2100	ug/l	N	25.02		

Library Search Comment:15 library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	33	%		01-063-2866
2-Fluorophenol	39	%		01-063-2866
Phenol-d5	36	%		01-063-2866
2,4,6-Tribromophenol	79	%		01-063-2866
Nitrobenzene-d5	43	%		01-063-2866
2-Fluorobiphenyl	26	D %		01-063-2866
Analysis Comment:D - Diluted out.				

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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"Our family, caring about your analytical needs...Since 1963."



ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-14

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-5
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 12:50 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.405	mg/l	0.016	22-AUG-01 05:02	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:02	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:02	EPA 6010	01-096-15
Lead	0.024	mg/l	0.002	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	0.0003	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 05:02	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 13:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	U	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	1.66	mg/l	0.016	22-AUG-01 05:23	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:23	EPA 6010	01-096-15
Chromium	0.022	mg/l	0.010	22-AUG-01 05:23	EPA 6010	01-096-15
Lead	0.084	mg/l	0.004	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	0.0002	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 05:23	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1221	U	ug/l	0.2	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1232	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1242	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1248	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1254	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
PCB 1260	U	ug/l	0.1	17-AUG-01 02:13	EPA 8082	01-124-7921
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49
Surrogate Recovery:						
Tetrachloro-m-xylene	26	*	%			01-124-7921
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Phenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Chlorophenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
1,3-Dichlorobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
1,4-Dichlorobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
1,2-Dichlorobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Bis(2-chloroisopropylether)	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Methylphenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Hexachloroethane	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 13:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
N-Nitrosodi-N-propylamine	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
3-Methylphenol/4-Methylphenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Nitrobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Isophorone	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Nitrophenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4-Dimethylphenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Bis(2-chloroethoxymethane)	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4-Dichlorophenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
1,2,4-Trichlorobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Naphthalene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Chloroaniline	U	ug/l	110	27-AUG-01 17:39	EPA 8270	01-063-2867
Hexachlorobutadiene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Chloro-3-methylphenol	U	ug/l	110	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Methylnaphthalene	800	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Hexachlorocyclopentadiene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4,6-Trichlorophenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4,5-Trichlorophenol	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Chloronaphthalene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Nitroaniline	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
Dimethyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Acenaphthylene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,6-Dinitrotoluene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
3-Nitroaniline	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
Acenaphthene	120	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4-Dinitrophenol	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
Dibenzofuran	72	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
2,4-Dinitrotoluene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Nitrophenol	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
Diethyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Fluorene	200	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Chlorophenylphenylether	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Nitroaniline	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
2-Methyl-4,6-dinitrophenol	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
N-Nitrosodiphenylamine	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
4-Bromophenylphenylether	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Hexachlorobenzene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Pentachlorophenol	U	ug/l	230	27-AUG-01 17:39	EPA 8270	01-063-2867
Phenanthrene	530	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Anthracene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Carbazole	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Di-n-butyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Fluoranthene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 13:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Pyrene	64	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Butylbenzyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Benzo(a)anthracene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
3,3-Dichlorobenzidine	U	ug/l	110	27-AUG-01 17:39	EPA 8270	01-063-2867
Chrysene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Bis-2-ethylhexyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Di-n-octyl phthalate	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Benzo(b)fluoranthene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Benzo(k)fluoranthene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Benzo(a)pyrene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Indeno(1,2,3-cd)pyrene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Dibenzo(a,h)anthracene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867
Benzo(g,h,i)perylene	U	ug/l	57	27-AUG-01 17:39	EPA 8270	01-063-2867

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time
3,7-dimethyl-Nonane	2500	ug/l	N	19.7
2,6-dimethyl Naphthalene	2600	ug/l	N	20.39
1,4-dimethyl Naphthalene	3400	ug/l	N	20.65
Octyl-Cyclohexane	2600	ug/l	N	21.05
2,6-dimethyl Naphthalene	2800	ug/l	N	20.73
2,6,10,14-tetramethyl Heptadecane	3600	ug/l	N	21.19
1,4,6-trimethyl Naphthalene	1500	ug/l	N	22.44
1,4,6-trimethyl Naphthalene	2100	ug/l	N	22.57
1,4,6-trimethyl Naphthalene	1800	ug/l	N	22.8
1,4,6-trimethyl Naphthalene	2500	ug/l	N	22.89
7-ethyl-1,4-dimethyl Azulene	1800	ug/l	N	24.72
2,6,10,14-tetramethyl Pentadecane	7200	ug/l	N	25.08
Unknown biphenyl	1400	ug/l	J	25.32

Report Comment: Temperature as received at lab was 9 degrees C.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-15

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 13:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Unknown Hydrocarbon	1400	ug/l	J	25.71		
Pentadecane	5000	ug/l	N	26.55		

Library Search Comment:15 library search compounds detected.

Surrogate Recovery:

Terphenyl-d14	44		*		01-063-2867
2-Fluorophenol	31		*		01-063-2867
Phenol-d5	30		*		01-063-2867
2,4,6-Tribromophenol	56		*		01-063-2867
Nitrobenzene-d5	67		*		01-063-2867
2-Fluorobiphenyl	42	D	*		01-063-2867

Analysis Comment:D - Diluted out.

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-16

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-6
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 13:20 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.42	mg/l	0.016	22-AUG-01 05:29	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:29	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:29	EPA 6010	01-096-15
Lead	0.015	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 05:29	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.006	mg/l	0.005	20-AUG-01 00:00	EPA 7060	00-026-79
Barium	0.163	mg/l	0.016	22-AUG-01 05:35	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:35	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:35	EPA 6010	01-096-15
Lead	0.036	mg/l	0.002	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 05:35	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1221	U	ug/l	0.2	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1232	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1242	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1248	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1254	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922
PCB 1260	U	ug/l	0.1	17-AUG-01 02:44	EPA 8082	01-124-7922

Extraction Information:

15-AUG-01 00:00 EPA 3510 01-114-49

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MN-7
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Tetrachloro-m-xylene	48	%				01-124-7922
Decachlorobiphenyl	32	%				01-124-7922
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Phenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Chlorophenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
1,3-Dichlorobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
1,4-Dichlorobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
1,2-Dichlorobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Bis(2-chloroisopropylether)	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Methylphenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Hexachloroethane	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
N-Nitrosodi-N-propylamine	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
3-Methylphenol/4-Methylphenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Nitrobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Isophorone	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Nitrophenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4-Dimethylphenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Bis(2-chloroethoxymethane)	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4-Dichlorophenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
1,2,4-Trichlorobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Naphthalene	3000	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
4-Chloroaniline	U	ug/l	220	04-SEP-01 18:12	EPA 8270	01-063-2926
Hexachlorobutadiene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
4-Chloro-3-methylphenol	U	ug/l	220	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Methylnaphthalene	1100	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Hexachlorocyclopentadiene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4,6-Trichlorophenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4,5-Trichlorophenol	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Chloronaphthalene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Nitroaniline	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
Dimethyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Acenaphthylene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,6-Dinitrotoluene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
3-Nitroaniline	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
Acenaphthene	590	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4-Dinitrophenol	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
Dibenzofuran	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
2,4-Dinitrotoluene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926

Report Comment: Temperature as received at lab was 9 degrees C.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Nitrophenol	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
Diethyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Fluorene	430	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
4-Chlorophenylphenylether	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
4-Nitroaniline	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
2-Methyl-4,6-dinitrophenol	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
N-Nitrosodiphenylamine	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
4-Bromophenylphenylether	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Hexachlorobenzene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Pentachlorophenol	U	ug/l	450	04-SEP-01 18:12	EPA 8270	01-063-2926
Phenanthrene	1100	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Anthracene	350	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Carbazole	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Di-n-butyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Fluoranthene	270	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Pyrene	480	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Butylbenzyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Benzo(a)anthracene	150	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
3,3-Dichlorobenzidine	U	ug/l	220	04-SEP-01 18:12	EPA 8270	01-063-2926
Chrysene	140	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Bis-2-ethylhexyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Di-n-octyl phthalate	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Benzo(b)fluoranthene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Benzo(k)fluoranthene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Benzo(a)pyrene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Indeno(1,2,3-cd)pyrene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Dibenzo(a,h)anthracene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926
Benzo(g,h,i)perylene	U	ug/l	110	04-SEP-01 18:12	EPA 8270	01-063-2926

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

Report Comment: Temperature as received at lab was 9 degrees C.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-17

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Unknown PAH	220	ug/l	J	11.27		
Indene	390	ug/l	NJ	11.52		
Benzocycloheptatriene	1100	ug/l	NJ	17.26		
1-ethylNaphthalene	260	ug/l	NJ	18.75		
2,6-dimethylNaphthalene	390	ug/l	NJ	18.96		
2,3-dimethylNaphthalene	540	ug/l	NJ	19.2		
2,3-dimethylNaphthalene	270	ug/l	NJ	19.26		
1,4-dimethylNaphthalene	240	ug/l	NJ	19.54		
Unknown	180	ug/l	J	22.22		
1-methyl-9H-Fluorene	180	ug/l	NJ	23.7		
2-methylAnthracene	280	ug/l	NJ	26.49		
3-methylPhenanthrene	300	ug/l	NJ	26.57		
1-methylPhenanthrene	420	ug/l	NJ	26.81		
2-methylAnthracene	190	ug/l	NJ	26.9		
2,5-dimethylPhenanthrene	200	ug/l	NJ	28.26		
Surrogate Recovery:						
Terphenyl-d14	26	D	*			01-063-2926
2-Fluorophenol	29		*			01-063-2926
Phenol-d5	25		*			01-063-2926
2,4,6-Tribromophenol	37		*			01-063-2926
Nitrobenzene-d5	12	D	*			01-063-2926
2-Fluorobiphenyl	19	D	*			01-063-2926
Analysis Comment: D - Diluted out.						

Report Comment: Temperature as received at lab was 9 degrees C.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-18

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-7
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.106	mg/l	0.016	22-AUG-01 05:38	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 05:38	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 05:38	EPA 6010	01-096-15
Lead	0.001	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	0.0003	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 05:38	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Arsenic	0.014	mg/l	0.010	21-AUG-01 00:00	EPA 7060	00-026-80
Barium	0.88	mg/l	0.016	22-AUG-01 06:09	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 06:09	EPA 6010	01-096-15
Chromium	0.015	mg/l	0.010	22-AUG-01 06:09	EPA 6010	01-096-15
Lead	0.27	mg/l	0.040	21-AUG-01 00:00	EPA 7421	01-014-78
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	UW	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Analysis Comment:W-Post spike recovery is out of limits. Since sample result is less than half of post spike level, result is valid.						
Silver	U	mg/l	0.010	22-AUG-01 06:09	EPA 6010	01-096-15
EPA 8082						
PCB 1016	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1221	U	ug/l	0.2	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1232	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1242	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1248	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1254	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
PCB 1260	U	ug/l	0.1	17-AUG-01 03:15	EPA 8082	01-124-7923
Extraction Information:				15-AUG-01 00:00	EPA 3510	01-114-49

Report Comment: Temperature as received at lab was 9 degrees C.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery: Tetrachloro-m-xylene	40	%				01-124-7923
EPA 8270						
Bis(2-chloroethylether)	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Phenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Chlorophenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
1,3-Dichlorobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
1,4-Dichlorobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
1,2-Dichlorobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Bis(2-chloroisopropylether)	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Methylphenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Hexachloroethane	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
N-Nitrosodi-N-propylamine	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
3-Methylphenol/4-Methylphenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Nitrobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Isophorone	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Nitrophenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4-Dimethylphenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Bis(2-chloroethoxymethane)	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4-Dichlorophenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
1,2,4-Trichlorobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Naphthalene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Chloroaniline	U	ug/l	11	04-SEP-01 19:05	EPA 8270	01-063-2927
Hexachlorobutadiene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Chloro-3-methylphenol	U	ug/l	11	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Methylnaphthalene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Hexachlorocyclopentadiene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4,6-Trichlorophenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4,5-Trichlorophenol	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Chloronaphthalene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Nitroaniline	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
Dimethyl phthalate	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Acenaphthylene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,6-Dinitrotoluene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
3-Nitroaniline	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
Acenaphthene	13	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4-Dinitrophenol	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
Dibenzofuran	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
2,4-Dinitrotoluene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Nitrophenol	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927

Report Comment: Temperature as received at lab was 9 degrees C.

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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Date: 10-SEP-2001

Lab Sample ID: L74279-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Diethyl phthalate	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Fluorene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Chlorophenylphenylether	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Nitroaniline	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
2-Methyl-4,6-dinitrophenol	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
N-Nitrosodiphenylamine	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
4-Bromophenylphenylether	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Hexachlorobenzene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Pentachlorophenol	U	ug/l	23	04-SEP-01 19:05	EPA 8270	01-063-2927
Phenanthrene	6	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Anthracene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Carbazole	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Di-n-butyl phthalate	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Fluoranthene	8	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Pyrene	9	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Butylbenzyl phthalate	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Benzo(a)anthracene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
3,3-Dichlorobenzidine	U	ug/l	11	04-SEP-01 19:05	EPA 8270	01-063-2927
Chrysene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Bis-2-ethylhexyl phthalate	85	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Di-n-octyl phthalate	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Benzo(b)fluoranthene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Benzo(k)fluoranthene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Benzo(a)pyrene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Indeno(1,2,3-cd)pyrene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Dibenzo(a,h)anthracene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927
Benzo(g,h,i)perylene	U	ug/l	6	04-SEP-01 19:05	EPA 8270	01-063-2927

Extraction Information:

13-AUG-01 00:00 EPA 3510 01-068-78

Library Search Compounds:	Result	Units	Qual	Retention Time

Report Comment: Temperature as received at lab was 9 degrees C.

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-19

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
2,6-dimethylNonane	29	ug/l	NJ	10.96		
Unknown PAH	73	ug/l	J	26.91		
Unknown Hydrocarbon	53	ug/l	J	27		
Unknown	310	ug/l	J			
Unknown PAH	180	ug/l	J			
Unknown PAH	30	ug/l	J			
Unknown PAH	200	ug/l	J			
3,6-dimethylPhenanthrene	59	ug/l	NJ			
Unknown	48	ug/l	J			
Unknown	520	ug/l	J			
Unknown	51	ug/l	J			
2,3,5-trimethylPhenanthrene	63	ug/l	NJ			
Unknown	49	ug/l	J			
2,4,5,7-tetramethylPhenanthrene	1100	ug/l	NJ			
Unknown	71	ug/l	J			
Surrogate Recovery:						
Terphenyl-d14	48	†				01-063-2927
2-Fluorophenol	48	†				01-063-2927
Phenol-d5	36	†				01-063-2927
2,4,6-Tribromophenol	45	†				01-063-2927
Nitrobenzene-d5	30	†				01-063-2927
2-Fluorobiphenyl	34	†				01-063-2927

Analysis Comment: * - Surrogate recovery below limit. Int std 6 recovery below limit.

Report Comment: Temperature as received at lab was 9 degrees C.

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-20

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: DISSOLVED, MW-8
Description: GRAB, 05-00035842-00
Sampled On: 08-AUG-01 11:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Barium	0.232	mg/l	0.016	22-AUG-01 06:12	EPA 6010	01-096-15
Cadmium	U	mg/l	0.005	22-AUG-01 06:12	EPA 6010	01-096-15
Chromium	U	mg/l	0.010	22-AUG-01 06:12	EPA 6010	01-096-15
Lead	0.002	mg/l	0.001	20-AUG-01 00:00	EPA 7421	01-014-76
Mercury	U	mg/l	0.0002	21-AUG-01 00:00	EPA 7470	01-002-18
Selenium	U	mg/l	0.005	21-AUG-01 00:00	EPA 7740	98-201-78
Silver	U	mg/l	0.010	22-AUG-01 06:12	EPA 6010	01-096-15

Report Comment: Temperature as received at lab was 9 degrees C.

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: NW-1
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Vinyl chloride	U	ug/l	2	17-AUG-01 13:17	EPA 8260	01-083-8717
Chloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Bromomethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Acetone	U	ug/l	25	17-AUG-01 13:17	EPA 8260	01-083-8717
Carbon disulfide	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Methylene chloride	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
cis-1,2-Dichloroethene	47	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 13:17	EPA 8260	01-083-8717
Chloroform	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Carbon tetrachloride	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Benzene	U	ug/l	0.7	17-AUG-01 13:17	EPA 8260	01-083-8717
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Trichloroethene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Bromodichloromethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 13:17	EPA 8260	01-083-8717
Toluene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Tetrachloroethene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
2-Hexanone	U	ug/l	10	17-AUG-01 13:17	EPA 8260	01-083-8717
Dibromochloromethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Chlorobenzene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Ethylbenzene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
p-Xylene/m-Xylene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
o-Xylene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Styrene	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
Bromoform	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 13:17	EPA 8260	01-083-8717

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-21

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-1
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:45 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		

No library search compounds detected.

Surrogate Recovery:				
Dibromofluoromethane	102	%		01-083-8717
Toluene-d8	99	%		01-083-8717
4-Bromofluorobenzene	101	%		01-083-8717

Analysis Comment: Sample pH>2.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 17:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Vinyl chloride	U	ug/l	2	17-AUG-01 13:51	EPA 8260	01-083-8718
Chloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Bromomethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,1-Dichloroethene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Acetone	U	ug/l	25	17-AUG-01 13:51	EPA 8260	01-083-8718
Carbon disulfide	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Methylene chloride	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
cis-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 13:51	EPA 8260	01-083-8718
Chloroform	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Carbon tetrachloride	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Benzene	U	ug/l	0.7	17-AUG-01 13:51	EPA 8260	01-083-8718
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Trichloroethene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Bromodichloromethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 13:51	EPA 8260	01-083-8718
Toluene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Tetrachloroethene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
2-Hexanone	U	ug/l	10	17-AUG-01 13:51	EPA 8260	01-083-8718
Dibromochloromethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Chlorobenzene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Ethylbenzene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
p-Xylene/m-Xylene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
o-Xylene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Styrene	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
Bromoform	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 13:51	EPA 8260	01-083-8718

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-22

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-2
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 17:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		
No library search compounds detected.						
Surrogate Recovery:						
Dibromofluoromethane	101	%				01-083-8718
Toluene-d8	100	%				01-083-8718
4-Bromofluorobenzene	99	%				01-083-8718

QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-3
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Vinyl chloride	U	ug/l	2	17-AUG-01 14:24	EPA 8260	01-083-8719
Chloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Bromomethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,1-Dichloroethene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Acetone	U	ug/l	25	17-AUG-01 14:24	EPA 8260	01-083-8719
Carbon disulfide	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Methylene chloride	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
cis-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 14:24	EPA 8260	01-083-8719
Chloroform	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Carbon tetrachloride	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Benzene	U	ug/l	0.7	17-AUG-01 14:24	EPA 8260	01-083-8719
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Trichloroethene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Bromodichloromethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 14:24	EPA 8260	01-083-8719
Toluene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Tetrachloroethene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
2-Hexanone	U	ug/l	10	17-AUG-01 14:24	EPA 8260	01-083-8719
Dibromochloromethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Chlorobenzene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Ethylbenzene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
p-Xylene/m-Xylene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
o-Xylene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Styrene	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
Bromoform	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 14:24	EPA 8260	01-083-8719

QC

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-23

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-3
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		

No library search compounds detected.

Surrogate Recovery:				
Dibromofluoromethane	101	%		01-083-8719
Toluene-d8	99	%		01-083-8719
4-Bromofluorobenzene	100	%		01-083-8719

Analysis Comment:Sample pH>2.

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Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Vinyl chloride	U	ug/l	2	17-AUG-01 14:58	EPA 8260	01-083-8720
Chloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Bromomethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Acetone	U	ug/l	25	17-AUG-01 14:58	EPA 8260	01-083-8720
Carbon disulfide	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Methylene chloride	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
cis-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 14:58	EPA 8260	01-083-8720
Chloroform	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Carbon tetrachloride	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Benzene	U	ug/l	0.7	17-AUG-01 14:58	EPA 8260	01-083-8720
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Trichloroethene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Bromodichloromethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 14:58	EPA 8260	01-083-8720
Toluene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Tetrachloroethene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
2-Hexanone	U	ug/l	10	17-AUG-01 14:58	EPA 8260	01-083-8720
Dibromochloromethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Chlorobenzene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Ethylbenzene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
p-Xylene/m-Xylene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
o-Xylene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Styrene	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
Bromoform	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 14:58	EPA 8260	01-083-8720

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-24

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-4
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Library Search Compounds:	Result	Units	Qual	Retention Time

Library Search Compounds:	Result	Units	Qual	Retention Time

Unknown	8	ug/l	J	22.81
1 methyl-2-(1 methylethyl) benzene	10	ug/l	NJ	22.31
Unknown	13	ug/l	J	23.48
1,2,4,5 tetramethyl benzene	10	ug/l	NJ	23.8
2,3-dihydro-1-methylindine	12	ug/l	NJ	24.21
(2 methyl-1-propenyl)-benzene	38	ug/l	NJ	24.42
2,3-dihydro-1,3-dimethyl 1h-indene	18	ug/l	NJ	24.81
Unknown	8	ug/l	J	24.88
2,3-dihydro-1,6-dimethyl 1h-indene	20	ug/l	NJ	25
Unknown	7	ug/l	J	25.46
Unknown	8	ug/l	J	25.56
2,3-dihydro 4,7-dimethyl 1h-indene	10	ug/l	NJ	25.75
2,3-dihydro-1,3-dimethyl 1h-indene	15	ug/l	NJ	26.04
2,5-dihydro-1,3-dimethyl 1h-indene	9	ug/l	NJ	26.34
2 ethenyl-1,3,5 trimethyl bezene	6	ug/l	NJ	26.59

Library Search Comment:15 library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	101	%	01-083-8720
Toluene-d8	101	%	01-083-8720
4-Bromofluorobenzene	100	%	01-083-8720

Analysis Comment:Sample pH>2.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-24MS, MW-4
Description: L74279-24
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Vinyl chloride	20	ug/l	2	17-AUG-01 20:37	EPA 8260	01-083-8730
Chloroethane	18	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Bromomethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,1-Dichloroethene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Acetone	98	ug/l	25	17-AUG-01 20:37	EPA 8260	01-083-8730
Carbon disulfide	37	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Methylene chloride	19	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
trans-1,2-Dichloroethene	22	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,1-Dichloroethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
cis-1,2-Dichloroethene	22	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
MEK(2-Butanone)	91	ug/l	25	17-AUG-01 20:37	EPA 8260	01-083-8730
Chloroform	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,1,1-Trichloroethane	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Carbon tetrachloride	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Benzene	22	ug/l	0.7	17-AUG-01 20:37	EPA 8260	01-083-8730
1,2-Dichloroethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Trichloroethene	23	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,2-Dichloropropane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Bromodichloromethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
cis-1,3-Dichloropropene	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
MIBK(4-Methyl-2-pentanone)	110	ug/l	10	17-AUG-01 20:37	EPA 8260	01-083-8730
Toluene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
trans-1,3-Dichloropropene	19	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,1,2-Trichloroethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Tetrachloroethene	22	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
2-Hexanone	120	ug/l	10	17-AUG-01 20:37	EPA 8260	01-083-8730
Dibromochloromethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Chlorobenzene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Ethylbenzene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
p-Xylene/m-Xylene	42	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
o-Xylene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Styrene	21	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
Bromoform	19	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730
1,1,2,2-Tetrachloroethane	20	ug/l	5	17-AUG-01 20:37	EPA 8260	01-083-8730

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-25

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-24MS, MW-4
Description: L74279-24
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	100	%				01-083-8730
Toluene-d8	97	%				01-083-8730
4-Bromofluorobenzene	100	%				01-083-8730

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-24MSD/DUP, MW-4
Description: L74279-24
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Vinyl chloride	19	ug/l	2	17-AUG-01 21:10	EPA 8260	01-083-8731
Chloroethane	15	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Bromomethane	17	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,1-Dichloroethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Acetone	92	ug/l	25	17-AUG-01 21:10	EPA 8260	01-083-8731
Carbon disulfide	36	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Methylene chloride	18	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
trans-1,2-Dichloroethene	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,1-Dichloroethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
cis-1,2-Dichloroethene	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
MEK(2-Butanone)	89	ug/l	25	17-AUG-01 21:10	EPA 8260	01-083-8731
Chloroform	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,1,1-Trichloroethane	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Carbon tetrachloride	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Benzene	21	ug/l	0.7	17-AUG-01 21:10	EPA 8260	01-083-8731
1,2-Dichloroethane	19	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Trichloroethene	22	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,2-Dichloropropane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Bromodichloromethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
cis-1,3-Dichloropropene	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
MIBK(4-Methyl-2-pentanone)	110	ug/l	10	17-AUG-01 21:10	EPA 8260	01-083-8731
Toluene	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
trans-1,3-Dichloropropene	19	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,1,2-Trichloroethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Tetrachloroethene	22	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
2-Hexanone	120	ug/l	10	17-AUG-01 21:10	EPA 8260	01-083-8731
Dibromochloromethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Chlorobenzene	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Ethylbenzene	21	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
p-Xylene/m-Xylene	40	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
o-Xylene	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Styrene	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
Bromoform	19	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731
1,1,2,2-Tetrachloroethane	20	ug/l	5	17-AUG-01 21:10	EPA 8260	01-083-8731

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-26

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: L74279-24MSD/DUP, MW-4
Description: L74279-24
Sampled On: 07-AUG-01 15:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	98	%				01-083-8731
Toluene-d8	96	%				01-083-8731
4-Bromofluorobenzene	100	%				01-083-8731

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-27

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Vinyl chloride	U	ug/l	2	17-AUG-01 16:05	EPA 8260	01-083-8722
Chloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Bromomethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Acetone	30	ug/l	25	17-AUG-01 16:05	EPA 8260	01-083-8722
Carbon disulfide	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Methylene chloride	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
cis-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 16:05	EPA 8260	01-083-8722
Chloroform	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Carbon tetrachloride	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Benzene	2	ug/l	0.7	17-AUG-01 16:05	EPA 8260	01-083-8722
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Trichloroethene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Bromodichloromethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 16:05	EPA 8260	01-083-8722
Toluene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Tetrachloroethene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
2-Hexanone	U	ug/l	10	17-AUG-01 16:05	EPA 8260	01-083-8722
Dibromochloromethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Chlorobenzene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Ethylbenzene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
p-Xylene/m-Xylene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
o-Xylene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Styrene	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
Bromoform	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 16:05	EPA 8260	01-083-8722

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-27

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-5
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:00 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		
Isopropylbenzene	14	ug/l		20.59		
n-propylbenzene	20	ug/l		21.21		
1,2,4 Trimethylbenzene	74	ug/l		21.99		
sec-butylbenzene	5	ug/l		22.2		
1,2,3 Trimethylbenzene	38	ug/l		22.55		
n-butylbenzene	6	ug/l		22.89		
1-ethyl-4-methyl benzene	6	ug/l	NJ	21.76		
1,6 dimethyl naphthalene	5	ug/l	NJ	22.37		
Indane	26	ug/l	NJ	22.81		
1-methyl-3-(1 methylethyl) benzene	9	ug/l	NJ	23.22		
4-ethyl -1,2 dimethyl benzene	10	ug/l	NJ	23.32		
Unknown Aromatic	16	ug/l	J	23.48		
Unknown Aromatic	6	ug/l	J	23.69		
1,2,4,5 tetramethyl benzene	8	ug/l	NJ	23.8		
4-ethyl-1,2-dimethyl benzene	16	ug/l	NJ	23.86		
1-methyl-1 propenyl benzene	14	ug/l	NJ	24.22		
2 ethenyl-1,4-dimethyl benzene	39	ug/l	NJ	24.42		
2 methyl-1-butenyl benzene	11	ug/l	NJ	24.81		
Unknown	8	ug/l	J	24.87		
2,3-dihydro-1,1-dimethyl-1H-Indene	16	ug/l	NJ	25.01		
Unknown	6	ug/l	J	25.46		
Unknown	6	ug/l	J	25.57		
2,3-dihydro-1,1-dimethyl-1H Indene	8	ug/l	NJ	25.75		
2,3-dihydro-H,7-dimethyl-1H Indene	12	ug/l	NJ	26.05		
2,3-dihydro-5,6-dimethyl-1H Indene	6	ug/l	NJ	26.35		

Library Search Comment:25 library search compounds detected.

Surrogate Recovery:

Dibromofluoromethane	101	%	01-083-8722
Toluene-d8	101	%	01-083-8722
4-Bromofluorobenzene	100	%	01-083-8722

Analysis Comment:Sample pH>2.

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Approved by: ELECTRONIC FILE:
Lab Director

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-28

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 WILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:40 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Vinyl chloride	U	ug/l	2	17-AUG-01 16:39	EPA 8260	01-083-8723
Chloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Bromomethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Acetone	U	ug/l	25	17-AUG-01 16:39	EPA 8260	01-083-8723
Carbon disulfide	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Methylene chloride	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
cis-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 16:39	EPA 8260	01-083-8723
Chloroform	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Carbon tetrachloride	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Benzene	U	ug/l	0.7	17-AUG-01 16:39	EPA 8260	01-083-8723
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Trichloroethene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Bromodichloromethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 16:39	EPA 8260	01-083-8723
Toluene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Tetrachloroethene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
2-Hexanone	U	ug/l	10	17-AUG-01 16:39	EPA 8260	01-083-8723
Dibromochloromethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Chlorobenzene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Ethylbenzene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
p-Xylene/m-Xylene	5	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
o-Xylene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Styrene	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
Bromoform	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 16:39	EPA 8260	01-083-8723

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-28

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-6
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 15:40 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		

Library Search Compounds:	Result	Units	Qual	Retention Time

Isopropylbenzene	12	ug/l		20.58
n-propylbenzene	7	ug/l		21.21
1,6 dimethyl Naphthalene	7	ug/l	NJ	22.35
Indane	23	ug/l	NJ	22.81
4-ethyl-1,2 dimethyl benzene	8	ug/l	NJ	23.31
Unknown	15	ug/l	J	23.48
Unknown	9	ug/l	J	23.67
1,2,3,5 tetramethyl benzene	9	ug/l	NJ	23.8
1,2,3,4 tetramethyl benzene	19	ug/l	NJ	23.86
2-ethenyl -1,4-dimethyl benzene	8	ug/l	NJ	24.22
Unknown	20	ug/l	J	24.81
Unknown	12	ug/l	J	24.88
2,3 dihydro-1,6 dimethyl 1H Indene	33	ug/l	NJ	25.01
Unknown	13	ug/l	J	25.46
Unknown	14	ug/l	J	25.56
2,3 dihydro -4,7 dimethyl 1H Indene	22	ug/l	NJ	25.75
2,3 dihydro -4,6 dimethyl 1H Indene	23	ug/l	NJ	26.03
Unknown	7	ug/l	J	26.2
2,3 dihydro -1,2 dimethyl 1H Indene	17	ug/l	NJ	26.35
Unknown	13	ug/l	J	26.59
2,3 dihydro -4-methyl -1H - Indene	48	ug/l	NJ	24.42

Library Search Comment: 21 library search compounds detected.

Surrogate Recovery:			
Dibromofluoromethane	101	†	01-083-8723
Toluene-d8	101	†	01-083-8723
4-Bromofluorobenzene	103	†	01-083-8723

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-29

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Vinyl chloride	10	ug/l	2	17-AUG-01 17:12	EPA 8260	01-083-8724
Chloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Bromomethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,1-Dichloroethene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Acetone	U	ug/l	25	17-AUG-01 17:12	EPA 8260	01-083-8724
Carbon disulfide	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Methylene chloride	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
trans-1,2-Dichloroethene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
cis-1,2-Dichloroethene	150	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 17:12	EPA 8260	01-083-8724
Chloroform	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Carbon tetrachloride	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Benzene	36	ug/l	0.7	17-AUG-01 17:12	EPA 8260	01-083-8724
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Trichloroethene	19	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Bromodichloromethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 17:12	EPA 8260	01-083-8724
Toluene	660	ug/l	50	21-AUG-01 17:48	EPA 8260	01-126-8762
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Tetrachloroethene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
2-Hexanone	U	ug/l	10	17-AUG-01 17:12	EPA 8260	01-083-8724
Dibromochloromethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Chlorobenzene	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Ethylbenzene	690	ug/l	50	21-AUG-01 17:48	EPA 8260	01-126-8762
p-Xylene/m-Xylene	660	ug/l	50	21-AUG-01 17:48	EPA 8260	01-126-8762
o-Xylene	440	ug/l	50	21-AUG-01 17:48	EPA 8260	01-126-8762
Styrene	16	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
Bromoform	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 17:12	EPA 8260	01-083-8724

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-29

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-7
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:15 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		
Isopropylbenzene	36	ug/l		20.58		
n-propylbenzene	23	ug/l		21.21		
1,3,5, Trimethylbenzene	48	ug/l		21.47		
1,2,4 Trimethylbenzene	140	ug/l		22		
4 Isopropyltoluene	13	ug/l		22.32		
1,2,3 Trimethylbenzene	68	ug/l		22.56		
2,5 dimethyl furan	140	ug/l	NJ	13.77		
Unknown	140	ug/l	J	16.77		
Unknown	47	ug/l	J	17.29		
1-ethyl-2 methyl benzene	180	ug/l	NJ	21.35		
1-ethyl-4 methyl benzene	53	ug/l	NJ	21.76		
ethenylmethyl benzene	70	ug/l	NJ	22.1		
Benzofuran	190	ug/l	NJ	22.41		
Unknown	34	ug/l	J	22.62		
Indane	380	ug/l	NJ	23.83		
Indene	670	ug/l	NJ	23.12		
2,2'-methylenebts Furan	49	ug/l	NJ	23.38		
2,3,dihydro-1-methylindene	86	ug/l	NJ	23.5		
2 methyl Benzofuran	160	ug/l	NJ	23.99		
2,3 dihydro-4-methyl 1H Indene	41	ug/l	NJ	24.23		
1 methyl Indan	76	ug/l	NJ	24.44		
1 methyl 1H Indene	100	ug/l	NJ	24.54		
Unknown	46	ug/l	J	24.83		
2,3 dihydro-1,6 dimethyl 1H Indene	30	ug/l	NJ	25.76		
1-butynylbenzene	120	ug/l	NJ	24.69		

Library Search Comment:25 library search compounds detected.

Surrogate Recovery:			
Dibromofluoromethane	95	%	01-126-8762
Dibromofluoromethane	99	%	01-083-8724
Toluene-d8	100	%	01-126-8762
Toluene-d8	100	%	01-083-8724
4-Bromofluorobenzene	99	%	01-126-8762
4-Bromofluorobenzene	110	%	01-083-8724

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QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: ELECTRONIC FILE.
Lab Director

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mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs...Since 1963."



ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-30

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Vinyl chloride	54	ug/l	2	17-AUG-01 23:54	EPA 8260	01-083-8736
Chloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Bromomethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,1-Dichloroethene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Acetone	U	ug/l	25	17-AUG-01 23:54	EPA 8260	01-083-8736
Carbon disulfide	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Methylene chloride	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
trans-1,2-Dichloroethene	7	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,1-Dichloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
cis-1,2-Dichloroethene	31	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
MEK(2-Butanone)	U	ug/l	25	17-AUG-01 23:54	EPA 8260	01-083-8736
Chloroform	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,1,1-Trichloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Carbon tetrachloride	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Benzene	4	ug/l	0.7	17-AUG-01 23:54	EPA 8260	01-083-8736
1,2-Dichloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Trichloroethene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,2-Dichloropropane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Bromodichloromethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
cis-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	17-AUG-01 23:54	EPA 8260	01-083-8736
Toluene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
trans-1,3-Dichloropropene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,1,2-Trichloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Tetrachloroethene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
2-Hexanone	U	ug/l	10	17-AUG-01 23:54	EPA 8260	01-083-8736
Dibromochloromethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Chlorobenzene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Ethylbenzene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
p-Xylene/m-Xylene	6	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
o-Xylene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Styrene	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
Bromoform	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736
1,1,2,2-Tetrachloroethane	U	ug/l	5	17-AUG-01 23:54	EPA 8260	01-083-8736

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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Approved by: ELECTRONIC FILE.
Lab Director

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-30

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: 153 FILLMORE AVENUE
Origin: MW-8
Description: GRAB, 05-00035842-00
Sampled On: 07-AUG-01 16:30 by CLIENT
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference

Library Search Compounds:	Result	Units	Qual	Retention Time

Library Search Compounds:	Result	Units	Qual	Retention Time

1,7 Dimethyl Naphthalene	6	ug/l	NJ	22.33
Unknown Aromatic	9	ug/l	J	22.87
Unknown Aromatic	11	ug/l	J	23.48
Unknown Aromatic	7	ug/l	J	23.96
Unknown Aromatic	6	ug/l	J	24.97

Library Search Comment:Five library search compounds detected.

Surrogate Recovery:
Dibromofluoromethane
Toluene-d8
4-Bromofluorobenzene

100 %
97 %
99 %

01-083-8736
01-083-8736
01-083-8736

Analysis Comment:Sample pH>2.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2001

Lab Sample ID: L74279-31

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-107-7
Description: TRIP BLANK
Sampled On: 07-AUG-01 00:00 by LAB
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Vinyl chloride	U	ug/l	2	18-AUG-01 06:38	EPA 8260	01-083-8748
Chloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Bromomethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,1-Dichloroethene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Acetone	U	ug/l	25	18-AUG-01 06:38	EPA 8260	01-083-8748
Carbon disulfide	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Methylene chloride	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
trans-1,2-Dichloroethene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,1-Dichloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
cis-1,2-Dichloroethene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
MEK(2-Butanone)	U	ug/l	25	18-AUG-01 06:38	EPA 8260	01-083-8748
Chloroform	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,1,1-Trichloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Carbon tetrachloride	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Benzene	U	ug/l	0.7	18-AUG-01 06:38	EPA 8260	01-083-8748
1,2-Dichloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Trichloroethene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,2-Dichloropropane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Bromodichloromethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
cis-1,3-Dichloropropene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
MIBK(4-Methyl-2-pentanone)	U	ug/l	10	18-AUG-01 06:38	EPA 8260	01-083-8748
Toluene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
trans-1,3-Dichloropropene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,1,2-Trichloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Tetrachloroethene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
2-Hexanone	U	ug/l	10	18-AUG-01 06:38	EPA 8260	01-083-8748
Dibromochloromethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Chlorobenzene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Ethylbenzene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
p-Xylene/m-Xylene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
o-Xylene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Styrene	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
Bromoform	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748
1,1,2,2-Tetrachloroethane	U	ug/l	5	18-AUG-01 06:38	EPA 8260	01-083-8748

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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ONE RESEARCH CIRCLE WAVERLY NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 10-SEP-2001

Lab Sample ID: L74279-31

URS Greiner, Inc.
Robert Henschel
282 Delaware Avenue
Buffalo, NY 14202

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-107-7
Description: TRIP BLANK
Sampled On: 07-AUG-01 00:00 by LAB
Date Received: 10-AUG-01 10:06
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Library Search Compounds:	Result	Units	Qual	Retention Time		
Library Search Compounds:	Result	Units	Qual	Retention Time		
No library search compounds detected.						
Surrogate Recovery:						
Dibromofluoromethane	101	†				01-083-8748
Toluene-d8	99	†				01-083-8748
4-Bromofluorobenzene	100	†				01-083-8748

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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APPENDIX C

WASTE MANIFESTS



FRANK'S VACUUM TRUCK SERVICE, INC.
4500 Royal Avenue • Niagara Falls, New York 14303
(716) 284-2132

69410

DATE 01/22/2002/

NYDEC #9A-332
EPA ID # NYD982792814

PICK UP		DELIVERY	
NAME	CITY OF TONAWANDA	NAME	VEXOR
STREET	200 NIAGARA ST	STREET	955 WEST SMITH RD
CITY	TONAWANDA, NY	CITY	MEDINA, OH
STATE		STATE	
ZIP CODE		ZIP CODE	
CONTACT NAME	KEVIN	CONTACT NAME	LISA
PHONE	695-8624	PHONE	330-721-9773
SCHEDULED TIME	01/22/2002	SCHEDULED TIME	01/23/2002

ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
LOAD NUMBER	TRACTOR NUMBER	TRAILER NUMBER	DRIVER'S NAME
51644	52	124-B	SENOJ

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
	4		(4) Non Haz Drum.	

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED	WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	EMERGENCY RESPONSE PHONE NUMBER:
TANK (S/S) (R/L)			
VAC			
DUMP			
VAN			
ROLL-OFF			
FLATBED			

PICK UP	DELIVERY
ARRIVAL DATE	DATE
ARRIVAL TIME	ARRIVAL TIME
RELEASE TIME	RELEASE TIME
TRAILER EMPTY UPON ARRIVAL	TRAILER EMPTY UPON DEPARTURE
DIP MEASUREMENT (Tankers Only)	COMMENTS: (EXPLAIN ALL DELAYS)
COMMENTS: (EXPLAIN ALL DELAYS)	
SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.	I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
SHIPPER'S SIGNATURE	CONSIGNEE'S SIGNATURE

BILLING



FRANK'S VACUUM TRUCK SERVICE, INC.
4500 Royal Avenue • Niagara Falls, New York 14303
(716) 284-2132

69411 DATE 01/22/2002 /

NYDEC #9A-332
EPA ID # NYD982792814

UP		DELIVERY	
NAME CITY OF TONAWANDA	STREET 200 NIAGARA ST	CITY TONAWANDA, NY	STATE ZIP CODE
CONTACT KEVIN	695-8624	SCHEDULE 01/22/2002	
NAME HUKILL CHEMICAL COMPANY	STREET 7013 KRICK ROAD	CITY BEDFORD, OH	STATE ZIP CODE
CONTACT NIKKI	216-232-9400	SCHEDULE 01/23/2002	

ADDITIONAL INFORMATION

6 drums tank sludge-12479
1 drum spill boom-12480

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE
LOAD NUMBER 51644	TRACTOR NUMBER 52	TRAILER NUMBER 124-B	DRIVER'S NAME SENOJ

NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
			(7) (7) Haz Drums.	

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED	WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	EMERGENCY RESPONSE PHONE NUMBER:
TANK (S/S) (R/L) VAC DUMP VAN ROLL-OFF FLATBED	SHIPPER'S CHECK LIST DOT LABELS APPLIED AND SECURE DOT AUTHORIZED CONTAINERS PROPER DOT NAME ON ALL PACKAGES CHECKED FOR PROPER SEALING		

PICK UP	DELIVERY
ARRIVAL DATE 1/22/02	DRIVER James P Senoj DATE 1/23/02
ARRIVAL TIME 12:30 PM	ARRIVAL TIME 6:30 AM
RELEASE TIME 3:30 PM	RELEASE TIME 7:40 PM
TRAILER EMPTY UPON ARRIVAL ☐ YES ☒ NO	TRAILER EMPTY UPON DEPARTURE ☒ YES ☐ NO
DIP MEASUREMENT (Tankers Only) _____ INCHES	COMMENTS: (EXPLAIN ALL DELAYS)
COMMENTS: (EXPLAIN ALL DELAYS)	
SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations	
SHIPPER'S SIGNATURE [Signature]	CONSIGNEE'S SIGNATURE [Signature]

BILLING

NYG 0327438

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Rev. 3/97)

In case of a spill immediately call the National Response Center (800) 424-81 and the NYS Department of Environmental Conservation (518) 457-7362

In case of a spill immediately call the National Response Center (800) 424-81 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. NY0211744537		Manifest Doc. No.		2. Page 1 of 2		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address CITY OF TONAWANDA 153 PILCHER AVE. TONAWANDA, NY 14120						NYG 0327438					
4. Generator's Telephone Number (716) 856-5636											
5. Transporter 1 (Company Name) FRANK'S TACKER TRUCK SERVICE			6. US EPA ID Number NY0982792814			B. Generator's ID SAME					
7. Transporter 2 (Company Name)			8. US EPA ID Number			C. State Transporter's ID					
9. Designated Facility Name and Site Address SKILL CHEMICAL CORP. 7013 BRICK ROAD BEDFORD, OH 44146						D. Transporter's Telephone (716) 284-2132					
10. US EPA ID Number OH00001926740						E. State Transporter's ID					
						F. Transporter's Telephone ()					
						G. State Facility ID					
						H. Facility Telephone () 440 232-9400					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers		13. Total		14. Unit		
					Number		Quantity		Wt/Vol		
a. NO WASTE FLAMMABLE LIQUID, SOL (BENZENE) 3. UN1993, PGII (0001, 0012)					6				G		
b. NO WASTE FLAMMABLE SOLID, HRS (0001) 4.1, UN1325, PGII					1				G		
c.									EPA		
d.									STATE		
									EPA		
									STATE		
									EPA		
									STATE		
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
a						a B ☐					
b						b B ☐					
15. Special Handling Instructions and Additional Information 11a) 12479 - also 8018 11b) 12480 EMERGENCY PHONE # (716) 856-5636											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name				Signature				Mo. Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Mo. Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Mo. Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name JOHN RYAN				Signature <i>John Ryan</i>				Mo. Day Year 10 11 23 02			



FRANK'S VACUUM TRUCK SERVICE, INC.
4500 Royal Avenue • Niagara Falls, New York 14303
(716) 284-2132

69442

NYDEC #9A-332
EPA ID # NYD982792814

CARBON CANISTERS

DATE 01/25/2002 /

PICK UP		DELIVERY	
NAME	CITY OF TONAWANDA	NAME	VEXOR
STREET	200 NIAGARA ST	STREET	955 WEST SMITH RD
CITY	TONAWANDA, NY	CITY	MEDINA, OH
STATE		STATE	
ZIP CODE		ZIP CODE	
CONTACT NAME	KEVIN	CONTACT NAME	LISA
PHONE	695-8624	PHONE	330-721-9773
SCHEDULE	01/25/2002	SCHEDULE	01/28/2002

ADDITIONAL INFORMATION

30 prepacks

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING ADDRESS	
			DESGRUFFNY	
LOAD NUMBER	TRACTOR NUMBER	TRAILER NUMBER	DRIVER'S NAME	
51689	53	129-B	Len Moen	
NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	DESCRIPTION OF WASTE(S) PER 49 CFR	CUSTOMER CODE #
			Nom Haz Drums overpacks	

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED	WHEN "RQ" QUANTITY RELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE CENTER - 800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	EMERGENCY RESPONSE PHONE NUMBER:
TANK (S/S) (R/L)			
VAC			
DUMP			
VAN			
ROLL-OFF			
FLATBED			

PICK UP	DELIVERY
ARRIVAL DATE 1/23/02	DRIVER John Whisenand DATE 1/28/02
ARRIVAL TIME 3:30 AM	ARRIVAL TIME 10 AM
RELEASE TIME 4:00 PM	RELEASE TIME 10:45 PM
TRAILER EMPTY UPON ARRIVAL ☒ YES ☒ NO	TRAILER EMPTY UPON DEPARTURE ☒ YES ☐ NO
DIP MEASUREMENT (Tankers Only) _____ INCHES	COMMENTS: (EXPLAIN ALL DELAYS)
COMMENTS: (EXPLAIN ALL DELAYS) Land Park	
SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.	
SHIPPER'S SIGNATURE Bob Fabian	THE UNDERSIGNED CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
TITLE Field Tech	CONSIGNEE'S SIGNATURE VEXOR 1/28/02

BILLING

P.O. Box 12820, Albany, New York 12212

(Rev. 3/97)

In case of an emergency or spill immediately call the National Response Center (800) 424-9212 and the NYS Department of Environmental Conservation (518) 457-7362

APPENDIX D

TEST PIT LOGS

TEST PIT LOG

URS
CORPORATION

PROJECT: 153 Fillmore

SHEET: 1 OF 1

CLIENT: City of Tonawanda

JOB NUMBER: 05-00035842.00

CONTRACTOR: K&T Pump

LOCATION: 20' South of Building D

DATE STARTED: 2/14/01

GROUND ELEVATION:

DATE COMPLETED: 2/14/01

OPERATOR: Gary Tollner

TEST PIT NUMBER: NYSDEC TP-1

GEOLOGIST: Robert Fabian

GROUNDWATER: ~9'

DEPTH	SAMPLE NO. TYPE	DESCRPITION
1		0.0'-4.5' FILL: 0.0-1.0; Gravel, some fine to coarse sand; gray; moist
2		1.0'-2.0'; Fine sandy silt, some brick, concrete, wood, metal debris; light brown; moist
3		2.0'-4.5; Fine to coarse sand, some cinder, ash, brick, concrete, metal debris; black; moist
4		
5		4.5'-10'; Fine silty Sand; light brown, some reddish brown mottles; moist
6		
7		
8		
9		wet @ 9'
10		
11		End test pit at 10'BGS
12		

RECEIVED

APR 25 2002

NYSDEC - REG. 3
FOIL
REL UNREL

TEST PIT LOG

URS
CORPORATION

PROJECT: 153 Fillmore

SHEET: 1 OF 1

CLIENT: City of Tonawanda

JOB NUMBER: 05-00035842.00

CONTRACTOR: K&T Pump

LOCATION: 24' South of loading dock

DATE STARTED: 2/14/01

GROUND ELEVATION:

DATE COMPLETED: 2/14/01

OPERATOR: Gary Tollner

TEST PIT NUMBER: NYSDEC TP-2

GEOLOGIST: Robert Fabian

GROUNDWATER: ~9'

DEPTH	SAMPLE NO.	TYPE	DESCRPITION
1			0.0'-2.9' FILL: 0.0'-1.0'; Fine to coarse sand, some cinder; black, moist
2			1.0'-2.9'; Clayey silt, some fine gravel, some tar-like material at 2.9'; black, moist PID 307 ppm
3			2.9'-10': Fine sandy SILT; light brown grading to brownish gray at 6', trace reddish brown mottles
4			
5			
6			
7			
8			
9			wet at 9', sheen; PID 180 ppm
10			End test pit at 10'BGS
11			
12			

APPENDIX E

SEWER DISCHARGE PERMIT

Permit No. 516-S

TOWN OF TONAWANDA
SEWER DISCHARGE PERMIT

Company Name: URS CORPORATION

Division Name (if Applicable) _____

Mailing Address: 282 Delaware Avenue
Street or P.O. Box
Buffalo, New York 14202
City, State and Zip Code

Facility Address: Same as Above
Street or P.O. Box

City, State and Zip Code

The above Industrial User is authorized to discharge industrial wastewater to the Town of Tonawanda sewer system in compliance with the Town's Sewer Use Ordinance Number 2-2000, any applicable provisions of Federal or State law or regulation, and in accordance with discharge point(s), effluent limitations, monitoring requirements, and other conditions set forth herein.

*This permit is granted in accordance with the application filed on February 12, 2001
in the office of the Pretreatment Administrator, and in conformity with plans, specifications, and other data submitted to the Town in support of the above application.*

Effective Date: February 12, 2001

Expiration Date: March 12, 2001

Permit No. 516-S

Date: _____ Signed: _____

Bill Mucci
Town of Tonawanda
Office of Compliance Coordinator

PART 1 - WASTEWATER DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

A. LOCALLY DERIVED LIMITATIONS

The industrial user shall comply with the following locally derived effluent limitations effective as of February 12 ,2001

MONITORING LOCATION: Discharge from excavation to sanitary sewer

PARAMETER	MONTHLY AVERAGE	DAILY MAXIMUM
	mg/l (lbs/day)	mg/l (lbs/day)

DISCHARGE WILL BE FILTERED THROUGH A BAG FILTER THEN INTO THREE 55 GALLON CHARCOAL FILTERS SET IN TANDEM. MUST BE DISCHARGED TO THE SANITARY SEWER ONLY.

FLOW RATE TO THE SANITARY SEWER SHOULD NOT EXCEED 10gpm. or 600 GALLONS PER HOUR.

A FLOW METER MUST BE IN PLACE TO INSURE AN ACCURATE MEASUREMENT OF WATER DISCHARGED TO THE SANITARY SEWER.

A FEE OF \$1.03 / thousand gallons discharged WILL BE CHARGED.

DISCHARGE TO THE SANITARY SEWER FROM 7am-7pm MONDAY-FRIDAY ONLY.

ANALYSIS HAS BEEN PERFORMED AND RESULTS ARE AVAILABLE AT THIS OFFICE

A \$350.00 PERMIT FEE HAS BEEN PAYED

NOTIFY THIS OFFICE WHEN DISCHARGE COMMENCES AND ENDS.

Note: The complete list of discharge limitations for dischargers to the Town Treatment Plant is contained in the Town's Local Law 2-2000. On the basis of the application and previous monitoring, parameters deemed applicable to this discharge have been excerpted and their limitations included above. The discharger should be aware that all other limitations apply and should consider all such limitations when considering process changes or plant modifications.

PART II - SPECIAL CONDITIONS/COMPLIANCE SCHEDULE

1. *The Industrial User shall develop, within 6 months of the effective date of this permit, an accidental spill prevention plan to eliminate or minimize the accidental or slug discharge of pollutants into the sewer system, which could have an effect on the Town's treatment plant, sludge, or cause the Town to violate its SPDES permit.*

PART III - REPORTING REQUIREMENTS

1. *All Industries requiring submittal of self-monitoring reports (SMR's) must submit all laboratory results on all discharged samples. If a lab analysis was performed using an EPA approved test method, then those results must be included in the SMR. Persons signing SMR's must be a responsible company official, ie; owner, corporate manager, or supervise more than two hundred fifty (250) employees. Any of the above may appoint a company representative to sign SMR's but written notice must be supplied to this office authorizing said employee to sign.*

The following statement will be required on all SMR's and baseline monitoring reports (BMR):

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violation."

2. *The Industrial User shall notify the Town immediately upon any accidental or slug discharge to the sanitary sewer system. Formal written notification discussing circumstances and remedies shall be submitted to the Town within 5 days of the occurrence.*
3. *The Industrial User shall notify the Town 30 days prior to the introduction of new wastewater or pollutants or any substantial change in the volume or characteristics of the wastewater being introduced into the POTW from the User's industrial processes.*
4. *Any upset experienced by the Industrial User of its treatment that places it in a temporary state of non-compliance with wastewater discharge limitations contained in this permit or other limitations specified in the Town's Ordinance shall be reported to the Town within 24 hours of first awareness of the commencement of the upset. Immediate resampling for the non-compliance pollutant shall begin. A detailed report shall be filed within 5 days.*

5. *The Industrial User is required to submit to the Town reports on the results of its sampling of the pollutants specified in Part I of this Permit. This report shall also contain monthly flows.*
6. *Analytical procedures must be performed in accordance with 40 CFR Part 136. Additional pollutants not contained in Part 136 must be performed using validated analytical methods approved by EPA (40 CFR 403.12 [g] [4]).*
7. *All reports shall be submitted to the following address:*

***Daniel G. O'Leary, Compliance Coordinator
Wastewater Treatment Facility
Two Mile Creek Road
Tonawanda, New York 14150***

PART IV - STANDARD CONDITIONS

1. *The Industrial User shall comply with all the general prohibitive discharge standards in Article IV of the Local Law 2-2000.*
 - a. *BOD 250 mg/l, SS 250 mg/l, P 6 mg/l are not to be construed as discharge limits of the above pollutants but as a baseline for generating abnormal sewer charges.*

2. RIGHT OF ENTRY

The Industrial User shall, after reasonable notification by the Town, allow the Town or its representatives, exhibiting proper credentials and identification, to enter upon the premises of the User, at all reasonable hours, for the purposes of inspection, sampling, or records inspection. Reasonable hours in the context of inspection and sampling includes any time the Industrial User is operating any process which results in a process wastewater discharge to the Town's sewerage system.

3. RECORDS RETENTION

The Industrial User shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and all summaries thereof, relating to monitoring, sampling and chemical analysis made by or in behalf of the User in connection with its discharge.

- a) *All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Town shall be retained and preserved by the Industrial User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.*

4. CONFIDENTIAL INFORMATION

Except for data determined to be confidential under Article VII, Section 4 of the Town's Ordinance, all reports required by this permit shall be available for public inspection at the office of the Compliance Coordinator, Wastewater Treatment Facility, Two Mile Creek Road, Tonawanda, New York 14150.

5. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the user shall record the following information:

- a) The exact place, date and time of sampling;*
- b) The dates the analyses were performed;*
- c) The person(s) who performed the analyses;*
- d) The analytical techniques or methods used, and*
- e) The results of all required analyses.*
- f) Where sanitary sewer discharge is measured by a mechanical or electronic device, accuracy of device shall be certified correct every two years by the manufacturer. Certification shall begin September, 2000.*
- g) Where sanitary sewer discharge is measured by percentage of consumed water, percentage shall be certified correct every two years by a licensed professional engineer. Certification shall begin September, 2000.*

6. DILUTION

No Industrial User shall increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit

7. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

8. TOXIC SUBSTANCES

All waters shall be maintained free of toxic substances in concentrations that are toxic to or produce detrimental physiological responses in human, plant, animal, or aquatic life.

9. SIGNATORY REQUIREMENTS

All reports required by this permit shall be signed by a principal executive officer of the User, or his designee.

10. REVOCATION OF PERMIT

The permit issued to the Industrial User by the Town may be revoked when after inspection, monitoring or analysis it is determined that the discharge of wastewater to the sanitary sewer is in violation of Federal, State, or local laws, ordinances, or regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any other required reporting form, shall be cause for permit revocation.

11. LIMITATIONS ON PERMIT TRANSFER

Transfer of permit. Industrial waste permits are issued to a specific user for a specific operation. In the event of any change in ownership of the industrial facility, the permittee shall notify the new owner of the existence of the permit by letter, a copy of which shall be forwarded to the Pretreatment Administrator 30 days prior to change of ownership. A new industrial waste permit must be issued to the new owner.

12. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendered any monitoring device or method inaccurate, may result in punishment under the criminal law of the Town, as well as being subjected to civil penalties and relief.

13. MODIFICATION OR REVISION OF THE PERMIT

- a) The terms and conditions of this permit may be subject to modification by the Town at any time as limitations or requirements as identified the Town's Ordinance, are modified or other just cause exists.*
- b) This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.*
- c) The terms and conditions may be modified as a result of EPA promulgating a new federal pretreatment standard.*
- d) Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance if necessary.*

14. DUTY TO REAPPLY

The Town shall notify a User one hundred and eighty (180) days prior to the expiration of the User's Permit. Within ninety (90) days of the notification, the User shall reapply for re-issuance of the permit on a form provided by the Town.

15. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

16. LIMITATIONS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Federal, State or Local regulations.

17. A. VIOLATIONS

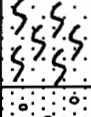
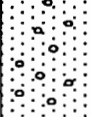
- (1) Any violation of sections 165-3 through 165-19 of this Part 1 of Local Law 2-2000 is hereby declared a violation except as otherwise provided by law.*
- (2) Any person who violates the provisions of sections 165-3 through 165-19 of the Part 1, upon conviction thereof in a court of competent jurisdiction, may be punished by a fine of not more than two hundred fifty dollars (\$250.), and each day on which there is a failure to comply shall be and is hereby declared to be a distinct and separate offense and punishable as such.*

APPENDIX F

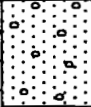
SOIL BORING LOGS

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-1			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		1	MC		100%	Dark Brown	Medium Dense	Fill: Silt, some gravel, slag, and coal	-	ND	dry		
Fill: Silt, trace sand and gravel								ND		moist			
Fill: Silty Clay								ND					
								ND					
5		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND	wet @4'		
								ND					
								5					
								13					
		3	MC		100%	Grey	↓	-trace gravel	SW / GW	70	Sheen on soil core		
								85					
								110					
								110					
10		4	MC		100%	R. Brown	Stiff	Fine to coarse Sand and Gravel	CL	ND	moist		
13								Silty Clay, thinly laminated					
15								Boring completed at 13.0' bgs					
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-1			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-2			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE DESCRIPTION													
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID	REMARKS		
		1	MC		100%	Black	M. Dense	Fill: Sand, gravel, trace slag and cinder	-	ND	dry		
						Grey	Stiff	Fill: Silty Clay		ND	moist		
										ND			
										ND			
5		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few redish brown mottles	SM	ND	wet@ 4.0'		
										ND			
										ND			
										ND			
10		3	MC		100%	Brown		Fine to medium Sand	SP	ND			
										ND			
										ND			
										ND			
		4	MC		100%	Grey		Fine to coarse sand and gravel	SW/GW	ND			
										ND			
										ND			
										ND			
14						R. Brown	Stiff	Silty clay, thinly laminated	CL	ND	moist		
15	Boring completed at 14.0' bgs												
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-2			

URS Corporation										GEOPROBE LOG							
PROJECT: 153 Fillmore Avenue										BORING NO: SB-3							
CLIENT: City of Tonawanda										SHEET: 1 of 1							
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00							
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:							
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:							
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01							
				DIA.		2"				DATE FINISHED: 07/25/01							
				WT.		Direct Push				DRILLER: Dominic Pino							
				FALL		—				GEOLOGIST: Scott McCabe							
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt							
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS						
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID							
		1	MC		100%	Black	Dense	Fill: fine gravel, some sand, cinder, shingles	-	3	dry						
														5			
															7	moist	
															8		
5		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, moderately dilatant	SM	5	wet @4'						
														6			
															8	petroleum sheen	
															7	on soil core	
		3	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	5	4.0-7.0'						
														4	slight odor		
10															3		
															3		
13		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND	moist						
15	Boring completed at 13.0' bgs																
20																	
25																	
30																	
35																	
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00							
										BORING NO. SB-3							

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-4			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore			DATE STARTED: 07/25/01				
				DIA.		2"			DATE FINISHED: 07/25/01				
				WT.		Direct Push			DRILLER: Dominic Pino				
				FALL		—			GEOLOGIST: Scott McCabe				
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		1	MC		100%	Reddish Brown	Stiff	Fill: Clayey Silt, some gravel, brick, and slag	-	ND	dry		
						Lt. Brown	Stiff	Fill: Clayey Silt, some fine to coarse sand	-	ND	moist		
5		2	MC		100%	Lt. Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	3	wet@4.0'		
						Grey		-trace gravel	SW / GW	32	Sheen on soil core		
										35			
10		3	MC		100%			Fine to coarse Sand and Gravel		17			
									SW / GW	9			
										4			
										3			
14		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	5			
15								Boring completed at 14.0' bgs		2	moist		
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-4			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-5			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE DESCRIPTION													
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID	REMARKS		
		1	MC		100%	Black	M. Dense	Fill: Sand and silt, some cinders& slag	-	ND		dry	
						Lt.Brown	Stiff	Fill: Clayey silt, trace slag, coal, and wood	-	ND			
5		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND			wet@ 4.0'
						Gray		-trace gravel		ND			
										ND			
										ND			
10		3	MC		100%			Fine to coarse Sand and Gravel	SW / GW	ND	moist		
										ND			
										ND			
										ND			
14		4	MC		100%					ND			
						R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND			
15	Boring completed at 14.0' bgs												
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-5			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-6			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		1	MC		100%	Grey Black	Dense	Fill: Fine gravel , some cinders , slag, coal, and shingles	-	ND	dry		
						Brown	Stiff	Clayey Silt	ML	ND	moist		
5						Brown to Greenish Grey	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND	wet @ 4.0'		
		2	MC		100%					4	Shoen on soil core		
										17			
										43			
10						Grey		Fine to coarse Sand and Gravel	SW / GW	56	dark brown free product		
		3	MC		100%					62	10.0-12.0'		
										71			
										59			
13		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	0	moist		
15								Boring completed at 13.0' bgs					
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
Note: Sample taken 10.0-12.0', analyzed for TCL VOC, TCL SVOC, TCL PCB, and RCRA Metals.										BORING NO. SB-6			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-7			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 5.5' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH		SAMPLE				DESCRIPTION				REMARKS			
FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID			
		1	MC		100%	Black	Medium	Fill: Silt, trace fine to coarse sand, gravel and roots	-	ND	dry		
Brown						Dense			ND				
			2	MC		100%	Lt. Brown	Medium	Fine Sandy Silt, few reddish brown mottles	SM	ND	moist	
Brown							Dense			ND			
5										3	wet@ 5.5'		
										9			
										18			
										26			
		3	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	60	Light sheen on soil core		
10										16			
										4			
		4	MC		100%					1	moist		
14							R. Brown	Stiff	Silty Clay, thinly laminated	CL			ND
15									Boring completed at 14.0' bgs				
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-7			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-8			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		1	MC		100%	Grey	Dense	Fill: Gravel, some concrete and fine to coarse sand	-	ND		dry	
						Dk. Brown	Stiff	Clayey Silt, trace roots		ND			
5			2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND		moist
							Grey						
10			3	MC		100%	Black		-some gravel		2		wet @4'
							Grey						
13		4	MC		100%			Fine to coarse Sand and Gravel	SW / GW	24		moist	
													76
15								Boring completed at 13.0' bgs Macro Core refusal at 13.0' bgs					
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
Note: Sample taken 9.0-11.0', analyzed for TCL VOC, TCL SVOC, TCL PCB, and RCRA Metals.										BORING NO. SB-8			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-9			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 5.5' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET		SAMPLE				DESCRIPTION				REMARKS			
		STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID		
5			1	MC	100%		Grey	Medium	Fill: Gravel, some sand	-	ND		dry
							Black	Dense	Fill: Fine to coarse sand, some slag, coal		ND		
							Dark Grey	Stiff	Fill: Clayey Silt, trace gravel		ND		
							Grey				ND		
10			2	MC	100%		Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	142		wet @ 5.5' strong odor sheen on soil core
											197		
											97		
14			3	MC	100%		Grey			SW/GW	89		moist
15							R. Brown	Stiff	Fine to coarse Sand and Gravel		11		
			4	MC	100%			Silty Clay, thinly laminated		CL	3		
Boring completed at 14.0' bgs													
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
Note: Sample taken 6.0-8.0', analyzed for TCL VOC, TCL SVOC, TCL PCB, and RCRA Metals.										BORING NO. SB-9			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-10			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID			
		1	MC		100%	Black	M. Dense	Fill: Fine to coarse sand, cinder, shingle	-	ND	dry		
						Dark Grey	Stiff	Fill: Silty Clay, some slag, gravel and cinder		ND			
										ND			
										ND			
5		2	MC		100%	Grey	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	24	moist wet @ 4.0' strong odor sheen on soil core		
										127			
										324			
										144			
10		3	MC		100%					132	moist		
										121			
										28			
										14			
14		4	MC		100%			Fine to coarse Sand and Gravel	SW / GW	7			
15						R. Brown	Stiff	Silty Clay, thinly laminated		CL			4
Boring completed at 14.0' bgs													
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
Note: Sample taken 6.0-8.0', analyzed for TCL VOC, TCL SVOC, TCL PCB, and RCRA Metals.										BORING NO. SB-10			

URS Corporation										GEOPROBE LOG					
PROJECT: 153 Fillmore Avenue										BORING NO: SB-11					
CLIENT: City of Tonawanda										SHEET: 1 of 1					
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00					
GROUNDWATER: Encountered at 5.5' bgs										BORING LOCATION:					
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:					
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/27/01					
				DIA.		2"				DATE FINISHED: 07/27/01					
				WT.		Direct Push				DRILLER: Dominic Pino					
				FALL		—				GEOLOGIST: Scott McCabe					
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt					
DEPTH		SAMPLE				DESCRIPTION				REMARKS					
FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID					
		1	MC		100%	Grey	M.Dense	Fill: Gravel, some fine to coarse sand	-	ND	dry				
						Brown	M.Dense	Fill: Silt, trace clay and fine sand		ND	moist				
						Grey	Stiff	Fill: Clayey Silt, some fine sand		ND					
5										1					
		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	70	wet @ 5.5'				
													93		
		3	MC		100%	Brown		Fine to medium Sand	SP	84					
													260		
10														370	free product
		4	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	247					
														111	
14						R. Brown	Stiff	Silty Clay, thinly laminated	CL	118	moist				
15								Boring completed at 14.0' bgs		4					
20															
25															
30															
35															

Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-11			

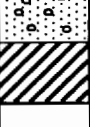
URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-12			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/27/01			
				DIA.		2"				DATE FINISHED: 07/27/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	REMARKS			
		1	MC		100%	Black	M.Dense	Fill: Fine to coarse Sand, some cinder	-	ND	dry		
						Dark Grey	Stiff	Clayey Silt, some gravel		ND			
						Grey	Medium Dense	Fine Sandy Silt, few reddish brown mottles		ND			
										ND			
5		2	MC		100%				SM	ND	moist wet @ 4.0'		
										ND			
										ND			
										ND			
		3	MC		100%	Brown		Fine to medium Sand	SP	ND	moist		
										ND			
										ND			
										ND			
10		4	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	ND			
										ND			
										ND			
										ND			
14						R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND			
15								Boring completed at 14.0' bgs					
20													
25													
30													
35													

Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-12			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-13			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 6.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/27/01			
				DIA.		2"				DATE FINISHED: 07/27/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH		SAMPLE				DESCRIPTION				REMARKS			
FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID			
		1	MC		100%	Brown	Medium Dense	Fill: Silt, some fine to coarse sand, gravel, slag	-	ND	dry		
Black								ND					
Light Brown								ND		moist			
								ND					
5		2	MC		100%	Grey		Fine Sandy Silt, few reddish brown mottles	SM	ND			
								ND					
								ND					
								ND					
10		3	MC		100%					ND			
								ND					
								ND					
								ND					
		4	MC		100%			-some gravel		ND			
								ND					
								ND					
								ND					
14		4	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	ND			
								ND					
								ND					
								ND					
15		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND	moist		
20	Boring completed at 14.0' bgs												
25													
30													
35													

Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.

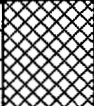
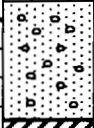
PROJECT NO. 0500035842.00
BORING NO. SB-13

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: SB-14			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/27/01			
				DIA.		2"				DATE FINISHED: 07/27/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH													
SAMPLE													
DESCRIPTION													
FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	REMARKS			
		1	MC		100%	R. Brown	Stiff	Fill: Clayey Silt, some slag, coal	-	ND	dry		
						Brown	↓	Fill: Silty Clay, some gravel		ND			
										ND			
5		2	MC		100%	L. Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND	moist wet @ 4.0'		
						Greyish Brown	↓			ND			
										ND			
10		3	MC		100%	Brown	↓	Fine to medium Sand	SP	ND			
						↓				ND			
										ND			
		4	MC		100%	Grey	↓	Fine Sandy Silt, some gravel	SW / GW	ND			
						↓				ND			
										ND			
15					100%	Reddish Brown	Stiff	Silty Clay, thinly laminated	CL	ND	moist		
16										ND			
Boring completed at 16.0' bgs													
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. SB-13			

URS Corporation										GEOPROBE LOG				
PROJECT: 153 Fillmore Avenue										BORING NO: MW-1				
CLIENT: City of Tonawanda										SHEET: 1 of 1				
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00				
GROUNDWATER: Encountered at 6.0' bgs										BORING LOCATION:				
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01				
				DIA.		2"				DATE FINISHED: 07/26/01				
				WT.		Direct Push				DRILLER: Dominic Pino				
				FALL		—				GEOLOGIST: Scott McCabe				
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt				
DEPTH FEET		SAMPLE				DESCRIPTION				REMARKS				
		STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID			
			1	MC	100%	100%	Grey	Dense	Fill: Gravel, some sand	-	ND	dry		
							L. Brown	Medium	Fill: Fine Sandy Silt		ND			
							Black	Dense	Fill: Fine to coarse Sand, some cinder, ash, and shingle		ND			
5			2	MC	100%	100%	L. Brown	↓	Fine Sandy Silt, few reddish brown mottles	SM	ND		moist wet @ 6.0'	
							Brown				↓	-some mottles		ND
							Grey							ND
10			3	MC	100%	100%	↓							Fine to coarse Sand and Gravel
								R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND		
14												moist		
15		Boring completed at 14.0' bgs												
20														
25														
30														
35														
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00				
										BORING NO. MW-1				

URS Corporation										GEOPROBE LOG				
PROJECT: 153 Fillmore Avenue										BORING NO: MW-2				
CLIENT: City of Tonawanda										SHEET: 1 of 1				
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00				
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:				
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01				
				DIA.		2"				DATE FINISHED: 07/26/01				
				WT.		Direct Push				DRILLER: Dominic Pino				
				FALL		—				GEOLOGIST: Scott McCabe				
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt				
DEPTH FEET		SAMPLE				DESCRIPTION				REMARKS				
		STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID			
5			1	MC		100%	Black	M. Dense	Fill: Fine to coarse sand, some cinder	-	ND	dry		
							Dark Grey	Stiff	Fill: Clayey Silt, some gravel					ND
							Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles					ND
10			2	MC		100%	Brownish Grey			SM	ND	moist wet @ 4.0'		
														ND
														ND
14			3	MC		100%					ND	moist		
15			4	MC		100%	Grey		Fine to coarse Sand and Gravel	SW/GW	ND			
							R.Brown	Stiff	Silty Clay, thinly laminated					CL
Boring completed at 14.0' bgs														
20														
25														
30														
35														
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00				
										BORING NO. MW-2				

URS Corporation										GEOPROBE LOG				
PROJECT: 153 Fillmore Avenue										BORING NO: MW-3				
CLIENT: City of Tonawanda										SHEET: 1 of 1				
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00				
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:				
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01				
				DIA.		2"				DATE FINISHED: 07/26/01				
				WT.		Direct Push				DRILLER: Dominic Pino				
				FALL		—				GEOLOGIST: Scott McCabe				
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt				
SAMPLE DESCRIPTION														
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID	REMARKS			
		1	MC		100%	Black	Medium	Fill: Fine to coarse sand, some cinder	-	ND	dry			
						Dark	Dense	Fill: Silt, trace clay and sand						ND
						Brown								ND
5		2	MC		100%	Light Brown		Fine Sandy Silt, few reddish brown mottles	SM	ND	moist wet @ 4.0'			
														ND
						Brownish Grey								ND
10		3	MC		100%	Brown		Fine Sand	SP	ND	moist			
														ND
						Grey								ND
14		4	MC		100%	R.Brown	Stiff	Silty Clay, thinly laminated	CL	ND				
15														
20								Boring completed at 14.0' bgs						
25														
30														
35														
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00				
										BORING NO. MW-3				

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: MW-4			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 6.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET		SAMPLE				DESCRIPTION				REMARKS			
		STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID		
			1	MC		100%	Grey	Medium	Fill: 6" gravel over fine to coarse sand and gravel, trace asphalt	-	ND	dry	
							Black	Dense				1	moist
							Medium					1	
							Grey					ND	
5			2	MC		100%	Light	↓	Fine Sandy Silt, few reddish brown mottles	SM	↓	1	wet @ 6.0' slight odor
	Brown						12						
							49						
							15						
10			3	MC		100%	Grey	↓	Fine to coarse Sand and Gravel	SW / GW	↓	60	moist
							36						
							41						
							20						
14			4	MC		100%	R.Brown	Stiff	Silty Clay, thinly laminated	CL		4	
15													
Boring completed at 14.0' bgs													
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. MW-4			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: MW-5			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER Encountered at 5.2' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/25/01			
				DIA.		2"				DATE FINISHED: 07/25/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	REMARKS		
		1	MC		100%	Dark Brown	Medium Dense	Fill: Fine to coarse sand, some cinder, slag, coal and silt	-	ND	dry		
						Greyish Brown	Stiff	Clayey Silt, trace fine sand few reddish brown mottles	ML	ND	moist		
5		2	MC		100%	Greyish Brown	Medium Dense to Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND	wet @ 5.2'		
								-some fine to coarse gravel		15			
										70			
										91			
10		3	MC		100%					82	free product 9.0-10.5'		
										38	moist @10.5'		
										9			
12						Grey	Stiff	Silty Clay, thinly laminated	CL	4			
Boring completed at 12.0' bgs													
15													
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
Note: Sample taken 8.0-9.0', analyzed for TCL VOC, TCL SVOC, TCL PCB, and RCRA Metals.										BORING NO. MW-5			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: MW-6			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET	STRATA	SAMPLE			BLOWS PER 6"	REC% ROD%	DESCRIPTION				USCS	REMARKS	
		NO.	TYPE				COLOR	CONSIST HARD	MATERIAL DESCRIPTION	PID			
		1	MC		100%	Grey	M. Dense	Fill: Fine to coarse Sand and Gravel		ND	dry		
				D. Grey		Stiff	Fill: Clayey Silt		ND				
				Greenish Grey		Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	ND				
5													
		2	MC		100%	Brownish Grey		Fine to medium Sand	SP	5	moist		
10		3	MC		100%	Grey		Fine to coarse Sand and Gravel	SW/GW	ND	wet @4'		
13		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND	moist		
15	Boring completed at 13.0' bgs.												
20													
25													
30													
35													
Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. MW-6			

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: MW-7			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 1.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		---				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
DEPTH FEET		SAMPLE				DESCRIPTION				REMARKS			
STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	PID				
5	1	MC		100%	Black	M. Dense	Fill: fine to coarse Sand and Gravel	-	24	dry wet @ 1.0' strong solvent odor Free product 6.0-8.0'			
					Greenish Grey	Stiff	Clayey Silt, few reddish brown mottles	ML	163				
									159				
									174				
									132				
10	2	MC		100%					121	Black free product 8.0-11.0'			
									149				
									153				
									32				
									44				
14	3	MC		100%	Black	Medium Dense	Fine to medium Sand	SP	13	moist			
15	4	MC		100%	Grey		Fine to coarse Sand and Gravel	SW / GW	4	Boring completed at 14.0' bgs			
									3				
20					R.Brown	Stiff	Silty Clay, thinly laminated	CL	ND				
25													
30													
35													

Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.
Note: Sample taken 2.0-4.0', analyzed for TCL VOC
Sample taken 9.0-11.0', analyzed for TCL SVOC, TCL PCB, And RCRA Metals.

PROJECT NO. 0500035842.00
BORING NO. MW-7

URS Corporation										GEOPROBE LOG			
PROJECT: 153 Fillmore Avenue										BORING NO: MW-8			
CLIENT: City of Tonawanda										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra										JOB NO.: 0500035842.00			
GROUNDWATER: Encountered at 4.0' bgs										BORING LOCATION:			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 07/26/01			
				DIA.		2"				DATE FINISHED: 07/26/01			
				WT.		Direct Push				DRILLER: Dominic Pino			
				FALL		—				GEOLOGIST: Scott McCabe			
* POCKET PENETROMETER READING										REVIEWED BY: Duane Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL	USCS	REMARKS			
		1	MC		100%	Grey	V. Dense	Fill: 3" concrete over fine to coarse sand	-	ND	dry		
						Black	Stiff	Fill: Silty Clay, some gravel and wood		14		moist	
										19			
										16			
5		2	MC		100%	Light Brown	Medium Dense	Fine Sandy Silt, few reddish brown mottles	SM	14	wet @ 4.0'		
										9		Slight sheen and odor	
										5			
										4			
10		3	MC		100%	Brown		Fine Sand, trace gravel	SP	ND	moist		
						Grey		Fine to coarse Sand and Gravel		ND			
										ND			
										ND			
14		4	MC		100%	R. Brown	Stiff	Silty Clay, thinly laminated	CL	ND			
15													
Boring completed at 14.0' bgs													
20													
25													
30													
35													

Comments: Boring advanced with GH-40 Geoprobe mounted on a Mule using a 2" diameter by 4' long Macro Core sampler.										PROJECT NO. 0500035842.00			
										BORING NO. MW-8			

APPENDIX G

MONITORING WELL CONSTRUCTION DETAILS

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

7/27/01

GEOLOGIC LOG

Depth(ft.) Description

0-1.0	Gravel
1.0-2.0	Fine sandy silt
2.0-4.0	Cinder, ash and shingle
4.0-11.5	Fine sandy silt
11.5-13.5	Fine to coarse sand and gravel

D
E
P
T
H
(ft)Elevation
Elevation

0.5

2.0

3.5

13.5

13.5

Flush-mount Protective Casing
and Lockable Cap

Ground Level

AUGERHOLE

2 inch dia.

13.5 feet length

PVC RISER

0.75 inch dia.

6.5 feet length

PVC SCREEN

0.75 inch dia.

10.0 feet length

WELL DESIGN

Not to Scale

CASING MATERIAL

Surface: Steel flush-mount - 5 inch ID

Monitor: 3/4 inch ID-Sch. 40 PVC

SCREEN MATERIAL

Type: 3/4 inch ID-Sch. 40 PVC

Slot Size: .010"

FILTER MATERIAL

Type: #2 NSF silica sand Setting: 2.0-13.5

SEAL MATERIAL

Type: Bentonite Chips Setting: .5-2.0

COMMENTS:**LEGEND**

Cement/Bentonite Grout



Bentonite Seal



Silica Sandpack

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS Corporation

MONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-1

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

7/27/01

GEOLOGIC LOG

Depth(ft.)	Description
0-1.0	Fill: Fine to coarse sand, some cinder, slag
1.0-3.0	Clayey silt, trace gravel
3.0-11.8	Fine sandy silt
11.8-13.0	Fine to coarse sand and gravel

D
E
P
T
H
(ft)Elevation
Elevation

0.5

2.0

3.0

13.0

13.0

Flush-mount Protective Casing
and Lockable Cap

Ground Level

AUGERHOLE

2 inch dia.

13 feet length

PVC RISER

0.75 inch dia.

6.0 feet length

PVC SCREEN

0.75 inch dia.

10.0 feet length

WELL DESIGN

Not to Scale

CASING MATERIAL		SCREEN MATERIAL	FILTER MATERIAL	
Surface:	Steel flush-mount - 5 inch ID	Type:	3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 2.0-13.0
Monitor:	3/4 inch ID-Sch. 40 PVC	Slot Size:	.010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-2.0
COMMENTS:				LEGEND
				 Cement/Bentonite Grout
				 Bentonite Seal
				 Silica Sandpack

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS Corporation

MONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-2

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

7/27/01

GEOLOGIC LOG

Depth(ft.)	Description
0-1.0	Fill: Fine to coarse sand, some cinder
1.0-3.0	Silt trace clay and sand
3.0-9.0	Fine sandy silt
9.0-11.0	Fine sand
11.0-12.0	Fine to coarse sand and gravel

WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL	FILTER MATERIAL	
Surface:	Steel flush-mount - 5 inch ID	Type:	3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 1.0-12.0
Monitor:	3/4 inch ID-Sch. 40 PVC	Slot Size:	.010"	SEAL MATERIAL
				Type: Bentonite Chips Setting: .5-1.0
COMMENTS:				LEGEND
				 Cement/Bentonite Grout
				 Bentonite Seal
				 Silica Sandpack

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS CorporationMONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-3

Elevation

Elevation

0.5

1.0

2.0

12.0

12.0

Flush-mount Protective Casing
and Lockable Cap

Ground Level

AUGERHOLE

2 inch dia.

12 feet length

PVC RISER

0.75 inch dia.

5.0 feet length

PVC SCREEN

0.75 inch dia.

10.0 feet length

D
E
P
T
H
(ft)

Not to Scale

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

7/27/01

GEOLOGIC LOG

Depth(ft.) Description

0-.5	Gravel
.5-2.0	Fine to coarse sand some gravel and asphalt
2.0-4.0	Silt, trace fine sand
4.0-9.5	Fine sandy silt
9.5-13.5	Fine to coarse sand and gravel

D
E
P
T
H
(ft)Elevation
Elevation

0.5

2.0

3.5

13.5

13.5

Flush-mount Protective Casing
and Lockable Cap

Ground Level

AUGERHOLE

2 inch dia.

13.5 feet length

PVC RISER

0.75 inch dia.

6.5 feet length

PVC SCREEN

0.75 inch dia.

10.0 feet length

WELL DESIGN

Not to Scale

CASING MATERIAL

Surface: Steel flush-mount - 5 inch ID

Monitor: 3/4 inch ID-Sch. 40 PVC

SCREEN MATERIAL

Type: 3/4 inch ID-Sch. 40 PVC

Slot Size: .010"

FILTER MATERIAL

Type: #2 NSF silica sand Setting: 2.0-13.5

SEAL MATERIAL

Type: Bentonite Chips Setting: .5-2.0

COMMENTS:**LEGEND**

Cement/Bentonite Grout



Bentonite Seal



Silica Sandpack

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS CorporationMONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-4

DRILLING SUMMARY												
Geologist: Scott McCabe												
Drilling Company: Zebra												
Driller: Dominic Pino												
Rig Make/Model: Mule-mounted GH-40 geoprobe												
Date: 7/27/01		Stick-up Protective Casing and Lockable Cap Elevation Ground Level AUGERHOLE 2 inch dia. 12 feet length PVC RISER 0.75 inch dia. 5.0 feet length PVC SCREEN 0.75 inch dia. 10.0 feet length 12.0 12.0 Not to Scale										
GEOLOGIC LOG												
Depth(ft.)	Description											
0-2.0	Fill: Fine to coarse sand, some cinders, coal											
2.0-4.0	Clayey silt, trace fine sand											
4.0-10.5	Fine sandy silt	D E P T H (ft)										
10.5-12.0	Silty clay											
WELL DESIGN												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">CASING MATERIAL</th> <th style="width: 33%;">SCREEN MATERIAL</th> <th style="width: 33%;">FILTER MATERIAL</th> </tr> <tr> <td style="padding: 5px;">Surface: Steel stick-up - 5 inch ID</td> <td style="padding: 5px;">Type: 3/4 inch ID-Sch. 40 PVC</td> <td style="padding: 5px;">Type: #2 NSF silica sand Setting: 1.5-12.0</td> </tr> <tr> <td style="padding: 5px;">Monitor: 3/4 inch ID-Sch. 40 PVC</td> <td style="padding: 5px;">Slot Size: .010"</td> <td style="padding: 5px;">SEAL MATERIAL Type: Bentonite Chips Setting: .5-1.5</td> </tr> </table>				CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	Surface: Steel stick-up - 5 inch ID	Type: 3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 1.5-12.0	Monitor: 3/4 inch ID-Sch. 40 PVC	Slot Size: .010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-1.5
CASING MATERIAL	SCREEN MATERIAL			FILTER MATERIAL								
Surface: Steel stick-up - 5 inch ID	Type: 3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 1.5-12.0										
Monitor: 3/4 inch ID-Sch. 40 PVC	Slot Size: .010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-1.5										
COMMENTS:												
		LEGEND Cement/Bentonite Grout Bentonite Seal Silica Sandpack										
Client: City of Tonawanda		Location: 153 Fillmore Avenue										
Project No.: 0500035842.00		Well Number: MW-5										
URS Corporation		MONITORING WELL CONSTRUCTION DETAILS										

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

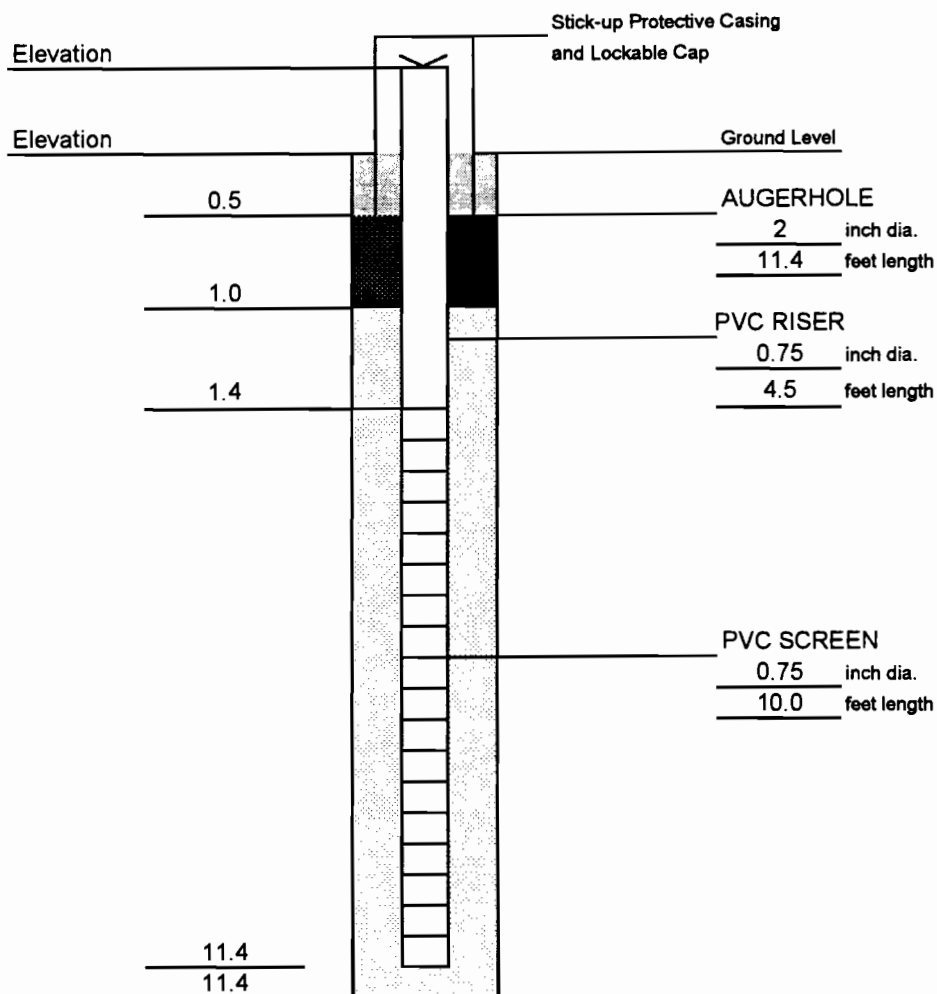
7/27/01

GEOLOGIC LOG

Depth(ft.)	Description
0-1.5	Fill: Fine to coarse sand, and gravel
1.5-3.0	Clayey silt
3.0-7.0	Fine sandy silt
7.0-10.5	Fine to medium sand
10.5-11.4	Fine to coarse sand and gravel

WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL	FILTER MATERIAL	
Surface:	Steel stick-up - 5 inch ID	Type:	3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 1.0-11.4
Monitor:	3/4 inch ID-Sch. 40 PVC	Slot Size:	.010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-1.0
COMMENTS:				LEGEND
				 Cement/Bentonite Grout
				 Bentonite Seal
				 Silica Sandpack



Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS Corporation

MONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-6

DRILLING SUMMARY

Geologist:

Scott McCabe

Drilling Company:

Zebra

Driller:

Dominic Pino

Rig Make/Model:

Mule-mounted GH-40 geoprobe

Date:

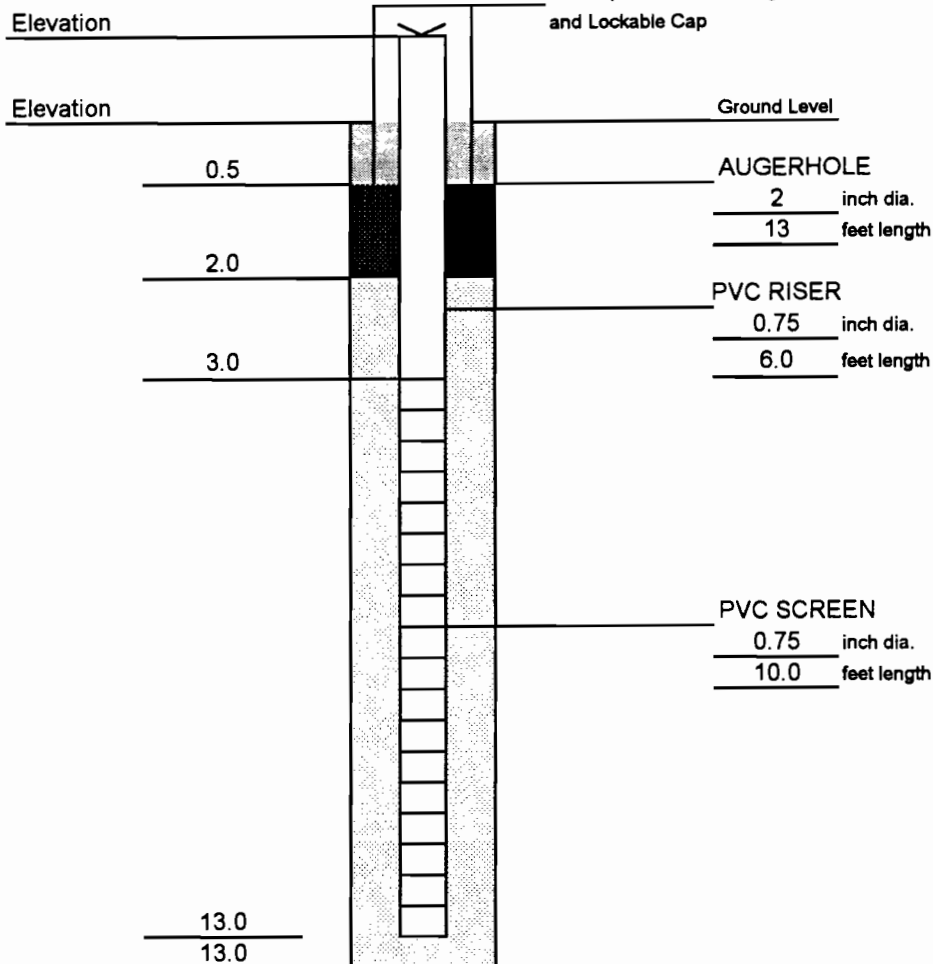
7/27/01

GEOLOGIC LOG

Depth (ft.)	Description
0-1.0	Fill: fine to coarse sand and gravel
1.0-8.0	Clayey silt
8.0-11.0	Fine to medium sand
11.0-13.0	Fine to coarse sand and gravel

WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL	FILTER MATERIAL	
Surface:	Steel stick-up - 5 inch ID	Type:	3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 2.0-13.0
Monitor:	3/4 inch ID-Sch. 40 PVC	Slot Size:	.010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-2.0
COMMENTS:				LEGEND
				 Cement/Bentonite Grout  Bentonite Seal  Silica Sandpack



Not to Scale

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS Corporation

MONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-7

DRILLING SUMMARY

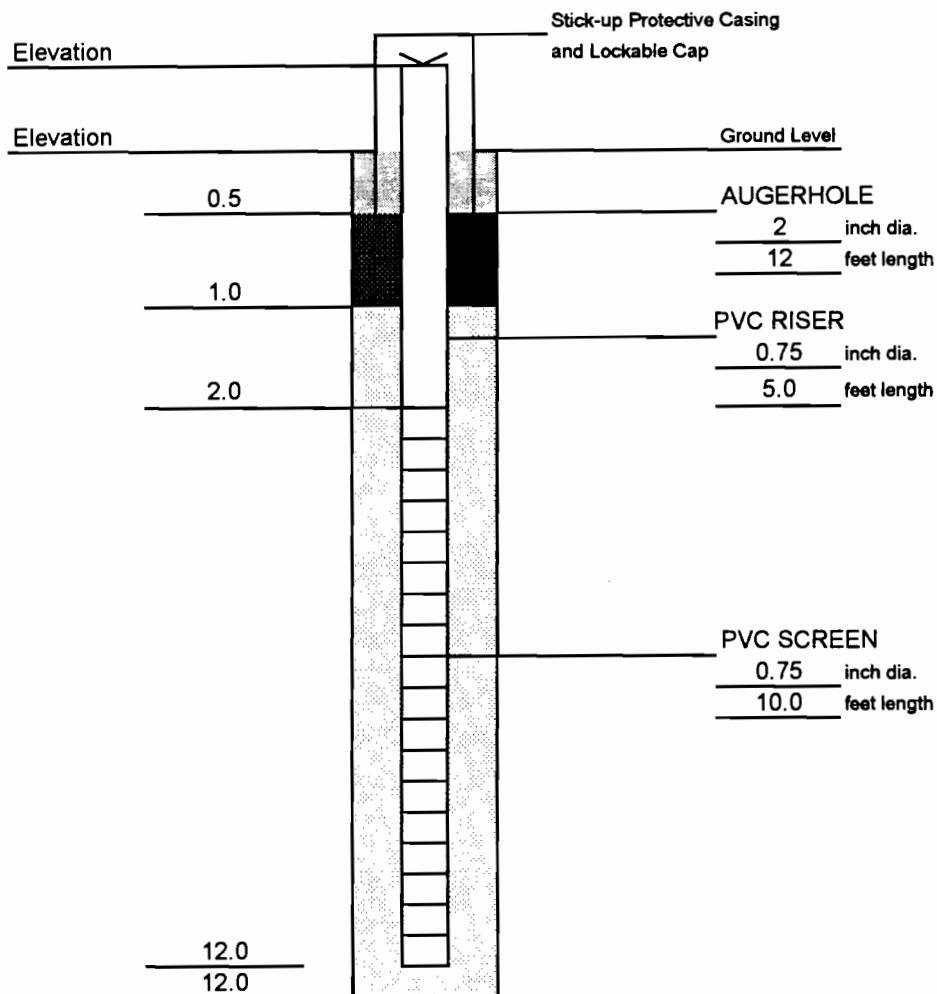
Geologist:
Scott McCabe
Drilling Company:

Zebra
Driller:
Dominic Pino
Rig Make/Model:
Mule-mounted GH-40 geoprobe
Date:
7/27/01

GEOLOGIC LOG

Depth(ft.)	Description
0-2	Concrete
2-1.0	Fine to coarse sand and gravel
1.0-4.0	Silty clay
4.0-9.0	Fine sandy silt
9.0-10.0	Fine sand, some gravel
10.0-12.0	Fine to coarse sand and gravel

D
E
P
T
H
(ft)

**WELL DESIGN**

Not to Scale

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel stick-up - 5 inch ID	Type: 3/4 inch ID-Sch. 40 PVC	Type: #2 NSF silica sand Setting: 1.0-12.0
Monitor: 3/4 inch ID-Sch. 40 PVC	Slot Size: .010"	SEAL MATERIAL Type: Bentonite Chips Setting: .5-1.0

COMMENTS:**LEGEND**

	Cement/Bentonite Grout
	Bentonite Seal
	Silica Sandpack

Client: City of Tonawanda

Location: 153 Fillmore Avenue

Project No.: 0500035842.00

URS Corporation

MONITORING WELL
CONSTRUCTION DETAILS

Well Number: MW-8

APPENDIX H

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
SITE INVESTIGATIONS**

Analyses Performed by:

**FRIEND LABORATORY, INC.
WAVERLY, NEW YORK**

Prepared for:

**CITY OF TONAWANDA
200 NIAGARA STREET
TONAWANDA, NY 14150**

Prepared by:

**URS CORPORATION
282 DELAWARE AVENUE
BUFFALO, NY 14202**

NOVEMBER 2002

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ATTACHMENTS

Attachment A - Support Documentation`

TABLES (following text)

Table 1	Validated Soil Sample Analytical Results
Table 2	Validated Groundwater Sample Analytical Results
Table 3	Validated Field QC Sample Analytical Results

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999.

II. ANALYTICAL METHODOLOGIES

The data being evaluated is from the July 25 through August 8, 2001 sampling of seven soil boring samples, thirteen surface soil samples, and eight groundwater samples, three matrix spikes/matrix spike duplicates/matrix duplicates (MS/MSD/MD), one trip blank, and two rinsate blanks. The analytical laboratory that performed the analyses is Friend Laboratory, Inc., located in Waverly, New York. The samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) SW-846 Method 8260B, TCL semivolatile organic compounds (SVOCs) by Method 8270C, TCL polychlorinated biphenyls (PCBs) by Method 8082, and Resource Conservation and Recovery Act (RCRA) metals by Methods 6010B/7060A/7421/7470A/7471A/7740/7761. The validated analytical results are presented in Tables 1, 2, and 3. The TCL VOCs and TCL SVOCs reported were as listed in Exhibit C, Superfund CLP Organics, of the NYSDEC Analytical Services Protocol (ASP), June 2000 revision.

A limited data validation was performed following the general guidelines presented in USEPA Region II documents HW-24, Revision 1, June 1999: *Validating Volatile Organic Compounds by SW-846 Method 8260B*; HW-22, Revision 2, June 2001: *Validating Semivolatile Organic Compounds by SW-846 Method 8270*; HW-23B, Revision 1.0, May 2002: *Validating PCB Compounds by SW-846 Method 8082*; and HW-2, Revision 11, January 1992: *Evaluation of Metals Data for the CLP Program*.

III. DATA DELIVERABLE COMPLETENESS

The laboratory deliverable data packages were in accordance with NYSDEC ASP, Category B requirements.

IV. HOLDING TIMES

All VOC analyses of the subsurface and surface soil samples, and the rinsate blanks were performed outside the USEPA Region II technical and NYSDEC ASP contractual holding times. Soil samples MW-07, SB-09, SB-10, SS-01, SS-02, SS-03, SS-05, SS-06, SS-07, SS-08, SS-09, SS-10, SS-11, SS-12 and SS-13 were analyzed more than 14 days after the date of collection. In accordance with USEPA Region II validation guidelines, the results were qualified "J/UJ." Soil samples MW-05, SB-06, SB-08, SS-04, and field QC samples RB-1, and RB-2 were analyzed more than 28 days after the date of collection. In accordance with USEPA Region II validation guidelines, all detects were qualified "J" and all non-detect results were rejected (R).

Groundwater samples MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07, and MW-08 for VOC were not preserved in the field to a pH <2. These samples were analyzed more than seven days after the date of collection. In accordance with USEPA Region II validation guidelines, the aromatic compounds (i.e., benzene, chlorobenzene, ethylbenzene, styrene, toluene, and xylenes) were qualified "J/UJ." Support documentation (i.e., VOC analysis log, chain-of-custody) is presented in Attachment A.

V. QUALITY CONTROL DATA

A. QC Blanks

Several VOCs and SVOCs were detected in the method and equipment blanks. In accordance with USEPA Region II validation guidelines, the results were qualified "U" as follows:

- Acetone was qualified in "U" in groundwater samples MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07, and MW-08, and soil samples MW-07, SB-09, and SB-10.
- Chloromethane was qualified in "U" in soil samples MW-07, SB-09, SB-10, SS-01, SS-02, SS-03, SS-05, SS-06, SS-07, SS-08, SS-09, SS-10, SS-11, SS-12, and SS-13.
- Bromomethane was qualified "U" in soil samples MW-07, SB-09, SS-01, SS-03, SS-05, SS-06, SS-07, SS-08, SS-09, SS-10, SS-11, SS-12, and SS-13.

- Methylene chloride was qualified “U” in soil samples SS-01, SS-05, SS-06, SS-08, and SS-10.

The detected concentrations of these compounds were less than five times (ten times for the common laboratory contaminants - acetone and methylene chloride) the amount detected in the associated equipment and method blanks. Support documentation (i.e., Form 4 and method blank Form I) is presented in Attachment A.

B. Instrument Tuning Criteria

All instrument tuning criteria were met for the VOC and SVOC analyses.

C. Initial and Continuing Calibrations

The relative response factor (RRF) for the VOC acetone was below the USEPA Region II QC limit of 0.05 in the initial calibration (ICAL) standards associated with all samples except soil samples SS-01, SS-05, SS-06, SS-08 and SS-10. In accordance with USEPA Region II validation guidelines, the result for this compound was qualified “J” for detects or “R” for non-detects. For groundwater samples MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07, and MW-08, and soil samples MW-07, SB-09, and SB-10 where acetone was qualified non-detect because of blank contamination, the acetone results were qualified “UJ.” In accordance with USEPA Region II validation guidelines, compounds qualified for blank contamination are still considered “hits” when qualifying for calibration criteria.

The percent difference (%D) between the ICAL average RRF and the CCAL RRF for the VOC 2-butanone associated with groundwater sample MW-08 and the trip blank exceeded 20%. In accordance with USEPA Region II validation guidelines, the results for 2-butanone was qualified “UJ” in these samples.

The %D between the ICAL average RRF and the CCAL RRF (or between the actual and expected values when linear regression was used) exceeded 20% for several

SVOCs. The results were qualified in accordance with USEPA Region II validation guidelines as follows:

- 4-Nitrophenol for groundwater samples MW-03 and MW-08 was qualified “UJ.”
- 2,4-Dinitrotoluene, 2-nitroaniline, 4-nitrophenol, fluoranthene, and hexachlorobutadiene for groundwater samples MW-05, MW-06, and MW-07 were qualified “J/UJ.”
- 2-Methylnaphthalene (SB-08 only), 4-nitrophenol, benzo(g,h,i)perylene, dibenz(a,h)anthracene, di-n-octylphthalate, indeno(1,2,3-cd)pyrene, and n-nitrosodi-n-propylamine for soil samples MW-05 and SB-08 were qualified “J/UJ.”
- Indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene, 4-nitrophenol, and 2,4-dinitrophenol for field QC samples RB-1 and RB-2 were qualified “UJ.”
- Benzo(g,h,i)perylene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene for soil sample SB-10 were qualified “UJ.”
- 2,4-Dinitrophenol and pentachlorophenol for soil sample SS-03 and SS-04 were qualified “UJ.”

No other data required qualification for initial and/or continuing calibration outliers. Support documentation (i.e., Form 7, analysis log) is presented in Attachment A.

D. Surrogate/Internal Standard Recoveries

The VOC internal standards (IS) chlorobenzene-d₅ and 1,4-dichlorobenzene-d₄ exhibited very low (i.e., less than 25%) recovery in the initial analysis of sample SS-03. The sample was reanalyzed with similar results. The associated VOCs (all were non-detect) were rejected (R).

The SVOC analyses for groundwater samples MW-02, MW-03, MW-04, and MW-08 exhibited low surrogate recovery for at least two of the base-neutral (BN) surrogates. No corrective action was taken by the laboratory. In accordance with USEPA Region II validation guidelines, the results for the BN compounds in these samples were qualified "J/UJ."

The compounds associated with the SVOC ISs phenanthrene-d₁₀ [i.e., 2-methyl-4,6-dinitrophenol, 4-bromophenylphenylether, 4-nitroaniline, anthracene, carbazole, di-n-butylphthalate, fluoranthene, hexachlorobenzene, n-nitrosodiphenylamine, pentachlorophenol, and phenanthrene], chrysene-d₁₂ [i.e., 3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, chrysene, and pyrene], and/or perylene-d₁₂ [i.e., benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenz(a,h)anthracene, di-n-octylphthalate, and indeno(1,2,3-cd)pyrene] exhibited low (i.e., less than 50%) or very low (i.e., less than 25%) recovery in several soil samples. The samples were reanalyzed with similar results. The IS recovery was low in the soil samples as follows:

- Phenanthrene-d₁₀ in MW-05;
- Chrysene-d₁₂ in SS-02, SS-03, SS-06, SS-07, SS-08, and SS-09; and
- Perylene-d₁₂ in MW-07, SB-06, SS-04, SS-05, SS-07, SS-10, SS-11, and SS-12.

In accordance with USEPA Region II validation guidelines, the results for the compounds associated with the IS outliers as listed above were qualified "J/UJ."

The recovery of SVOC IS chrysene-d₁₂ was very low in soil sample SS-01. The sample was reanalyzed at a dilution with acceptable recovery. Results from the undiluted analysis were used because the compounds were non-detect in the dilution analysis. In accordance with USEPA Region II validation guidelines, detected results for the compounds associated with the IS outlier were qualified "J." The non-detect

results for 3,3'-dichlorobenzidine and butylbenzylphthalate were reported from the dilution analysis.

The recovery of SVOC IS perylene-d₁₂ was very low in soil samples SS-01, SS-02, SS-03, SS-06, SS-08, SS-09, and SS-13. In accordance with USEPA Region II validation guidelines, the non-detects results for the compounds associated with the IS outliers were rejected (R) and detected results were qualified "J."

The recovery of PCB surrogates decachlorobiphenyl and tetrachloro-m-xylene were below the laboratory control limits of 30-150%. The laboratory did not re-extract or reanalyze the samples. In accordance with USEPA Region II validation guidelines, the PCB results for MW-04 and MW-06 were qualified "UJ." Support documentation (i.e., Form 2, Form 8) is presented in Attachment A.

E. Matrix Spike/Matrix Spike Duplicate and Laboratory Control Samples

The laboratory performed MS/MSD analysis at the frequency requested. No VOC, SVOC, or PCB data was qualified for MS/MSD outliers alone, per the USEPA Region II validation guidelines. All laboratory control samples (LCSS) results for VOCs, SVOCs, and PCBs were within the applicable QC limits, demonstrating the laboratory was in control.

The matrix spike associated with the surface soil samples exhibited very low recovery (i.e., less than 10%) for barium. In accordance with USEPA Region II validation guidelines, the results for barium in all surface soil samples (i.e., SS-01 through SS-13) were rejected (R). Support documentation (i.e., Form 5 - metals) is presented in Attachment A.

F. Serial Dilutions

The %D between the sample and serial dilution results associated with the soil samples was greater than 10% for chromium and lead. In accordance with USEPA

Region II validation guidelines, the results for chromium in all soil samples were qualified “J.” The results for lead in surface soil samples SS-01, SS-02, and SS-04 through SS-13 were qualified “J.”

Documentation supporting the qualification of data (e.g., Form IX for serial dilution) is presented in Attachment B.

VI. SAMPLE RESULTS

A. Raw Data vs. Reporting Forms

Calculation errors were noted for the non-detect PCB results for soil samples on the Form Is but were correct on the laboratory's data summary forms. The Form Is were corrected manually.

B. Sample Dilutions

All sample results were analyzed undiluted except for as follows:

- Soil samples MW-05, SB-06, SB-08, and SS-04 for VOCs were analyzed as medium-level samples because of the high concentration of matrix interfering compounds. The non-detect results were rejected (R) because of holding time exceedance as discussed previously. The laboratory did not provide low-level analytical results.
- Groundwater samples MW-05 and MW-06 SVOC results were reported from the secondary dilution analyses because of the high levels of long chain hydrocarbons in the sample. The matrix interference was visible on the sample chromatograms.
- Groundwater sample MW-07, and soil samples MW-07, SB-06, SS-03, SS-07, SS-08, SS-09, and SS-10 SVOC results were analyzed and reported from dilution analyses because of the high levels of compounds in the samples.

C. Quantitation Limits

The percent recovery (%R) for cadmium in the CRDL standard was above the 80-120 %R control limit. In accordance with USEPA Region II validation guidelines total cadmium in groundwater sample MW-03 and in soil samples SS-01, SS-02, and SS-05 was qualified "J."

All samples results were adjusted for sample size, moisture content, and/or dilution. Results reported from a secondary dilution are qualified "D." All soil sample results are reported on a dry weight basis. Documentation supporting the qualification of data (e.g., Form II the CRDL standards and Form XIV for the analytical sequence) is presented in Attachment B.

D. Chromatography

No chromatography problems other than matrix interference were encountered.

E. PCB Identification

The laboratory did not verify the identification (or quantitation) of detected PCBs on a confirmation column. Using professional judgement, the data was not qualified because PCBs are identified by pattern recognition and the patterns in the samples with detections were consistent with patterns in the calibration standards.

F. Total versus Dissolved Metal Results

Total (unfiltered) and dissolved (filtered) arsenic in groundwater sample MW-01 was rejected (R) in accordance with USEPA Region II validation guidelines because the concentration of the dissolved analyte was greater than its total concentration by more than 50%.

Total (unfiltered) and dissolved (filtered) mercury in groundwater samples MW-05 and MW-07 was qualified "J" in accordance with USEPA Region II validation guidelines because the concentration of the dissolved analyte was greater than its total concentration by more than 10%. No other data required qualification for differences between the total and dissolved results.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified "J/UJ" (estimated) are considered conditionally usable. Those results qualified "R" (rejected) are unusable. All other sample results are usable as reported.

DEFINITION OF VALIDATION QUALIFIERS

The following are definitions of the validation qualifiers assigned to results during the data review process.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- B** - Metals Only: The analyte was detected above the instrument detection limit (IDL); the reported concentration is below the contract required detection limit (CRDL).
- D** - The results are reported from a secondary dilution analysis.

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-05	MW-07	MW-07	SB-06	SB-08
Sample ID		MW-05	MW-07	MW-07	SB-06	SB-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-9.0	2.0-4.0	9.0-11.0	10.0-12.0	9.0-11.0
Date Sampled		07/25/01	07/26/01	07/26/01	07/25/01	07/25/01
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/KG	R	11 UJ	NA	R	R
1,1,2,2-Tetrachloroethane	UG/KG	R	11 UJ	NA	R	R
1,1,2-Trichloroethane	UG/KG	R	11 UJ	NA	R	R
1,1-Dichloroethane	UG/KG	R	11 UJ	NA	R	R
1,1-Dichloroethene	UG/KG	R	11 UJ	NA	R	R
1,2-Dichloroethane	UG/KG	R	11 UJ	NA	R	R
1,2-Dichloropropane	UG/KG	R	11 UJ	NA	R	R
2-Butanone (MEK)	UG/KG	R	13 J	NA	R	R
2-Hexanone	UG/KG	R	21 UJ	NA	R	R
4-Methyl-2-pentanone	UG/KG	R	21 UJ	NA	R	R
Acetone	UG/KG	R	110 UJ	NA	R	R
Benzene	UG/KG	R	2 UJ	NA	R	R
Bromodichloromethane	UG/KG	R	11 UJ	NA	R	R
Bromoform	UG/KG	R	11 UJ	NA	R	R
Bromomethane	UG/KG	R	11 UJ	NA	R	R
Carbon disulfide	UG/KG	R	11 UJ	NA	R	R
Carbon tetrachloride	UG/KG	R	11 UJ	NA	R	R
Chlorobenzene	UG/KG	R	11 UJ	NA	R	R
Chloroethane	UG/KG	R	11 UJ	NA	R	R
Chloroform	UG/KG	R	11 UJ	NA	R	R
Chloromethane	UG/KG	R	14 UJ	NA	R	R
cis-1,2-Dichloroethene	UG/KG	R	11 UJ	NA	R	R
cis-1,3-Dichloropropene	UG/KG	R	11 UJ	NA	R	R
Dibromochloromethane	UG/KG	R	11 UJ	NA	R	R

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TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-05	MW-07	MW-07	SB-06	SB-08
Sample ID		MW-05	MW-07	MW-07	SB-06	SB-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-9.0	2.0-4.0	9.0-11.0	10.0-12.0	9.0-11.0
Date Sampled		07/25/01	07/26/01	07/26/01	07/25/01	07/25/01
Parameter	Units					
Volatiles						
Ethylbenzene	UG/KG	R	390 J	NA	R	R
m&p-Xylene	UG/KG	R	630 J	NA	R	R
Methylene chloride	UG/KG	R	9 J	NA	R	R
o-Xylene	UG/KG	R	380 J	NA	R	R
Styrene	UG/KG	R	11 UJ	NA	R	R
Tetrachloroethene	UG/KG	R	11 UJ	NA	R	R
Toluene	UG/KG	R	14 J	NA	R	R
trans-1,2-Dichloroethene	UG/KG	R	11 UJ	NA	R	R
trans-1,3-Dichloropropene	UG/KG	R	11 UJ	NA	R	R
Trichloroethene	UG/KG	R	11 UJ	NA	R	R
Vinyl chloride	UG/KG	R	4 UJ	NA	R	R
Semivolatiles						
1,2,4-Trichlorobenzene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
1,2-Dichlorobenzene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
1,3-Dichlorobenzene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
1,4-Dichlorobenzene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,4,5-Trichlorophenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,4,6-Trichlorophenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,4-Dichlorophenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,4-Dimethylphenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,4-Dinitrophenol	UG/KG	1,100 U	NA	13,000 U	5,600 U	1,200 U
2,4-Dinitrotoluene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2,6-Dinitrotoluene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2-Chloronaphthalene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U

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TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-05	MW-07	MW-07	SB-06	SB-08
Sample ID		MW-05	MW-07	MW-07	SB-06	SB-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-9.0	2.0-4.0	9.0-11.0	10.0-12.0	9.0-11.0
Date Sampled		07/25/01	07/26/01	07/26/01	07/25/01	07/25/01
Parameter	Units					
Semivolatiles						
2-Chlorophenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2-Methyl-4,6-dinitrophenol	UG/KG	1,100 UJ	NA	13,000 U	5,600 U	1,200 U
2-Methylnaphthalene	UG/KG	65,000 D	NA	88,000	4,300	3,800 J
2-Methylphenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
2-Nitroaniline	UG/KG	1,100 U	NA	13,000 U	5,600 U	1,200 U
2-Nitrophenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
3&4-Methylphenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
3,3'-Dichlorobenzidine	UG/KG	550 U	NA	6,600 U	2,800 U	610 U
3-Nitroaniline	UG/KG	1,100 U	NA	13,000 U	5,600 U	1,200 U
4-Bromophenylphenylether	UG/KG	270 UJ	NA	3,300 U	1,400 U	310 U
4-Chloro-3-methylphenol	UG/KG	550 U	NA	6,600 U	2,800 U	610 U
4-Chloroaniline	UG/KG	550 U	NA	6,600 U	2,800 U	610 U
4-Chlorophenylphenylether	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
4-Nitroaniline	UG/KG	1,100 UJ	NA	13,000 U	5,600 U	1,200 U
4-Nitrophenol	UG/KG	1,100 UJ	NA	13,000 U	5,600 U	1,200 UJ
Acenaphthene	UG/KG	4,000	NA	56,000	2,000	2,000
Acenaphthylene	UG/KG	1,300	NA	15,000	1,400 U	310 U
Anthracene	UG/KG	3,400 J	NA	43,000	2,900	1,300
Benzo(a)anthracene	UG/KG	88 J	NA	15,000	2,900	660
Benzo(a)pyrene	UG/KG	270 U	NA	9,500 J	2,400 J	430
Benzo(b)fluoranthene	UG/KG	270 U	NA	8,400 J	3,400 J	490
Benzo(g,h,i)perylene	UG/KG	270 UJ	NA	2,200 J	1,700 J	160 J
Benzo(k)fluoranthene	UG/KG	270 U	NA	3,900 J	1,000 J	310 U
bis(2-Chloroethoxymethane)	UG/KG	270 U	NA	3,300 U	1,400 U	310 U

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TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-05	MW-07	MW-07	SB-06	SB-08
Sample ID		MW-05	MW-07	MW-07	SB-06	SB-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-9.0	2.0-4.0	9.0-11.0	10.0-12.0	9.0-11.0
Date Sampled		07/25/01	07/26/01	07/26/01	07/25/01	07/25/01
Parameter	Units					
Semivolatiles						
bis(2-Chloroethylether)	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
bis(2-Chloroisopropylether)	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
bis(2-Ethylhexyl)phthalate	UG/KG	9,500	NA	3,300 U	5,600	330
Butylbenzylphthalate	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Carbazole	UG/KG	500 J	NA	1,500 J	1,200 J	73 J
Chrysene	UG/KG	180 J	NA	15,000	2,600	550
Dibenzo(a,h)anthracene	UG/KG	270 UJ	NA	3,300 UJ	1,400 UJ	310 UJ
Dibenzofuran	UG/KG	2,700	NA	8,000	1,300 J	1,100
Diethylphthalate	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Dimethylphthalate	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Di-n-butylphthalate	UG/KG	270 UJ	NA	3,300 U	1,400 U	310 U
Di-n-octylphthalate	UG/KG	270 UJ	NA	3,300 UJ	1,400 UJ	310 UJ
Fluoranthene	UG/KG	590 J	NA	29,000	7,500	2,000
Fluorene	UG/KG	4,500	NA	49,000	2,600	1,700
Hexachlorobenzene	UG/KG	270 UJ	NA	3,300 U	1,400 U	310 U
Hexachlorobutadiene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Hexachlorocyclopentadiene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Hexachloroethane	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Indeno(1,2,3-cd)pyrene	UG/KG	270 UJ	NA	3,300 UJ	1,600 J	310 UJ
Isophorone	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Naphthalene	UG/KG	5,200	NA	200,000 D	1,400 U	5,100
Nitrobenzene	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
N-Nitrosodi-n-propylamine	UG/KG	270 UJ	NA	3,300 U	1,400 U	310 UJ
N-Nitrosodiphenylamine	UG/KG	11,000 J	NA	3,300 U	1,400 U	310 U

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TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-05	MW-07	MW-07	SB-06	SB-08
Sample ID		MW-05	MW-07	MW-07	SB-06	SB-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		8.0-9.0	2.0-4.0	9.0-11.0	10.0-12.0	9.0-11.0
Date Sampled		07/25/01	07/26/01	07/26/01	07/25/01	07/25/01
Parameter	Units					
Semivolatiles						
Pentachlorophenol	UG/KG	1,100 UJ	NA	13,000 U	5,600 U	1,200 U
Phenanthrene	UG/KG	19,000 D	NA	120,000	10,000	4,200
Phenol	UG/KG	270 U	NA	3,300 U	1,400 U	310 U
Pyrene	UG/KG	1,100	NA	42,000	5,900	1,500
PCBs						
Aroclor 1016	UG/KG	110 U	NA	130 U	110 U	120 U
Aroclor 1221	UG/KG	220 U	NA	260 U	220 U	240 U
Aroclor 1232	UG/KG	110 U	NA	130 U	110 U	120 U
Aroclor 1242	UG/KG	110 U	NA	130 U	110 U	120 U
Aroclor 1248	UG/KG	110 U	NA	130 U	110 U	120 U
Aroclor 1254	UG/KG	110 U	NA	130 U	110 U	120 U
Aroclor 1260	UG/KG	110 U	NA	130 U	110 U	120 U
Metals						
Arsenic	MG/KG	2.2 B	NA	3.4	2.1 B	2.6 B
Barium	MG/KG	34.9	NA	20.2 B	12.7 B	32.1
Cadmium	MG/KG	1.0	NA	0.59 U	0.52 U	0.59
Chromium	MG/KG	4.8 J	NA	4.3 J	4.9 J	7.6 J
Lead	MG/KG	9.0	NA	17.7	11.8	6.7
Mercury	MG/KG	0.056 U	NA	0.071 U	0.046 U	0.045 U
Selenium	MG/KG	0.54 U	NA	0.64 U	0.49 U	0.58 U
Silver	MG/KG	1.0 B	NA	1.2 U	1.0 U	0.98 U

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SB-09	SB-10	SS-01	SS-02	SS-03
Sample ID		SB-09	SB-10	SS-01	SS-02	SS-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	6.0-8.0	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	9 UJ	6 UJ	R	5 UJ	R
1,1,2-Trichloroethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
1,1-Dichloroethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
1,1-Dichloroethene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
1,2-Dichloroethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
1,2-Dichloropropane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
2-Butanone (MEK)	UG/KG	7 J	31 UJ	24 UJ	27 UJ	31 UJ
2-Hexanone	UG/KG	18 UJ	12 UJ	9 UJ	11 UJ	R
4-Methyl-2-pentanone	UG/KG	18 UJ	12 UJ	9 UJ	11 UJ	R
Acetone	UG/KG	52 UJ	44 UJ	24 UJ	R	R
Benzene	UG/KG	1 UJ	0.9 UJ	0.7 UJ	0.8 UJ	0.9 UJ
Bromodichloromethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Bromoform	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
Bromomethane	UG/KG	9 UJ	6 UJ	6 UJ	5 UJ	7 UJ
Carbon disulfide	UG/KG	9 UJ	4 J	5 UJ	5 UJ	6 UJ
Carbon tetrachloride	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Chlorobenzene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
Chloroethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Chloroform	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Chloromethane	UG/KG	9 UJ	7 UJ	5 UJ	5 UJ	7 UJ
cis-1,2-Dichloroethene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
cis-1,3-Dichloropropene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Dibromochloromethane	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SB-09	SB-10	SS-01	SS-02	SS-03
Sample ID		SB-09	SB-10	SS-01	SS-02	SS-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	6.0-8.0	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
Ethylbenzene	UG/KG	190 J	6 UJ	5 UJ	5 UJ	R
m&p-Xylene	UG/KG	360 J	6 UJ	5 UJ	5 UJ	R
Methylene chloride	UG/KG	6 J	4 J	17 UJ	7 J	14 J
o-Xylene	UG/KG	37 J	6 UJ	5 UJ	5 UJ	R
Styrene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
Tetrachloroethene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
Toluene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
trans-1,2-Dichloroethene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
trans-1,3-Dichloropropene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	R
Trichloroethene	UG/KG	9 UJ	6 UJ	5 UJ	5 UJ	6 UJ
Vinyl chloride	UG/KG	4 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Semivolatiles						
1,2,4-Trichlorobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
1,2-Dichlorobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
1,3-Dichlorobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
1,4-Dichlorobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,4,5-Trichlorophenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,4,6-Trichlorophenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,4-Dichlorophenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,4-Dimethylphenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,4-Dinitrophenol	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 UJ
2,4-Dinitrotoluene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2,6-Dinitrotoluene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2-Chloronaphthalene	UG/KG	300 U	300 U	270 U	270 U	4,800 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SB-09	SB-10	SS-01	SS-02	SS-03
Sample ID		SB-09	SB-10	SS-01	SS-02	SS-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	6.0-8.0	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
2-Chlorophenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2-Methyl-4,6-dinitrophenol	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 U
2-Methylnaphthalene	UG/KG	2,200	300 U	270 U	270 U	4,800 U
2-Methylphenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
2-Nitroaniline	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 U
2-Nitrophenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
3&4-Methylphenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
3,3'-Dichlorobenzidine	UG/KG	600 U	600 U	5,400 U	540 UJ	9,500 UJ
3-Nitroaniline	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 U
4-Bromophenylphenylether	UG/KG	300 U	300 U	270 U	270 U	4,800 U
4-Chloro-3-methylphenol	UG/KG	600 U	600 U	540 U	540 U	9,500 U
4-Chloroaniline	UG/KG	600 U	600 U	540 U	540 U	9,500 U
4-Chlorophenylphenylether	UG/KG	300 U	300 U	270 U	270 U	4,800 U
4-Nitroaniline	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 U
4-Nitrophenol	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 U
Acenaphthene	UG/KG	1,500	300 U	270 U	270 U	1,300 J
Acenaphthylene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Anthracene	UG/KG	930	300 U	85 J	77 J	2,300 J
Benzo(a)anthracene	UG/KG	480	300 U	500 J	360 J	7,500 J
Benzo(a)pyrene	UG/KG	310	300 U	480 J	380 J	7,100 J
Benzo(b)fluoranthene	UG/KG	340	300 U	580 J	640 J	9,900 J
Benzo(g,h,i)perylene	UG/KG	110 J	300 UJ	590 J	440 J	6,700 J
Benzo(k)fluoranthene	UG/KG	300 U	300 U	230 J	260 J	R
bis(2-Chloroethoxymethane)	UG/KG	300 U	300 U	270 U	270 U	4,800 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SB-09	SB-10	SS-01	SS-02	SS-03
Sample ID		SB-09	SB-10	SS-01	SS-02	SS-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	6.0-8.0	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
bis(2-Chloroethylether)	UG/KG	300 U	300 U	270 U	270 U	4,800 U
bis(2-Chloroisopropylether)	UG/KG	300 U	300 U	270 U	270 U	4,800 U
bis(2-Ethylhexyl)phthalate	UG/KG	1,400	510	110 J	270 UJ	4,800 UJ
Butylbenzylphthalate	UG/KG	300 U	300 U	2,700 U	270 UJ	4,800 UJ
Carbazole	UG/KG	300 U	300 U	270 U	270 U	1,300 J
Chrysene	UG/KG	390	300 U	420 J	440 J	7,900 J
Dibenzo(a,h)anthracene	UG/KG	300 U	300 UJ	R	R	R
Dibenzofuran	UG/KG	790	300 U	270 U	270 U	4,800 U
Diethylphthalate	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Dimethylphthalate	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Di-n-butylphthalate	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Di-n-octylphthalate	UG/KG	300 U	300 U	R	R	R
Fluoranthene	UG/KG	1,400	300 U	570	630	10,000
Fluorene	UG/KG	1,200	300 U	270 U	270 U	4,800 U
Hexachlorobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Hexachlorobutadiene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Hexachlorocyclopentadiene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Hexachloroethane	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Indeno(1,2,3-cd)pyrene	UG/KG	300 U	300 UJ	480 J	350 J	5,300 J
Isophorone	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Naphthalene	UG/KG	2,400	300 U	270 U	270 U	1,200 J
Nitrobenzene	UG/KG	300 U	300 U	270 U	270 U	4,800 U
N-Nitrosodi-n-propylamine	UG/KG	300 U	300 U	270 U	270 U	4,800 U
N-Nitrosodiphenylamine	UG/KG	300 U	300 U	270 U	270 U	4,800 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SB-09	SB-10	SS-01	SS-02	SS-03
Sample ID		SB-09	SB-10	SS-01	SS-02	SS-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	6.0-8.0	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
Pentachlorophenol	UG/KG	1,200 U	1,200 U	1,100 U	1,100 U	19,000 UJ
Phenanthrene	UG/KG	3,100	300 U	330	340	11,000
Phenol	UG/KG	300 U	300 U	270 U	270 U	4,800 U
Pyrene	UG/KG	1,200	300 U	1,200 J	1,400 J	38,000 J
PCBs						
Aroclor 1016	UG/KG	120 U	120 U	110 U	110 U	130 U
Aroclor 1221	UG/KG	240 U	240 U	210 U	220 U	250 U
Aroclor 1232	UG/KG	120 U	120 U	110 U	110 U	130 U
Aroclor 1242	UG/KG	120 U	120 U	110 U	110 U	130 U
Aroclor 1248	UG/KG	120 U	120 U	110 U	110 U	130 U
Aroclor 1254	UG/KG	120 U	120 U	110 U	110 U	130 U
Aroclor 1260	UG/KG	120 U	120 U	180	110 U	130 U
Metals						
Arsenic	MG/KG	2.6	1.7 B	2.5 B	1.6 B	8.2
Barium	MG/KG	55.8	48.2	R	R	R
Cadmium	MG/KG	0.91	0.58 U	0.68 J	0.52 J	1.9
Chromium	MG/KG	10.3 J	8.6 J	14.7 J	15.8 J	37.8 J
Lead	MG/KG	10.4	4.5	168 J	70.1 J	318
Mercury	MG/KG	0.065 U	0.068	0.28	3.0	0.27
Selenium	MG/KG	0.47 U	0.59 U	0.53 U	0.52 U	0.60 U
Silver	MG/KG	0.66 B	1.2 U	1.0 U	0.99 U	1.2 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-04	SS-05	SS-06	SS-07	SS-08
Sample ID		SS-04	SS-05	SS-06	SS-07	SS-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,1,2,2-Tetrachloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,1,2-Trichloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,1-Dichloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,1-Dichloroethene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,2-Dichloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
1,2-Dichloropropane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
2-Butanone (MEK)	UG/KG	R	27 UJ	29 UJ	28 UJ	27 UJ
2-Hexanone	UG/KG	R	11 UJ	12 UJ	11 UJ	11 UJ
4-Methyl-2-pentanone	UG/KG	R	11 UJ	12 UJ	11 UJ	11 UJ
Acetone	UG/KG	R	27 UJ	29 UJ	28 UJ	27 UJ
Benzene	UG/KG	R	0.7 UJ	0.8 UJ	0.8 UJ	0.8 UJ
Bromodichloromethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Bromoform	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Bromomethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Carbon disulfide	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Carbon tetrachloride	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Chlorobenzene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Chloroethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Chloroform	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Chloromethane	UG/KG	R	5 UJ	6 UJ	7 UJ	5 UJ
cis-1,2-Dichloroethene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
cis-1,3-Dichloropropene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Dibromochloromethane	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-04	SS-05	SS-06	SS-07	SS-08
Sample ID		SS-04	SS-05	SS-06	SS-07	SS-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
Ethylbenzene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
m&p-Xylene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Methylene chloride	UG/KG	R	10 UJ	11 UJ	7 J	15 UJ
o-Xylene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Styrene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Tetrachloroethene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Toluene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
trans-1,2-Dichloroethene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
trans-1,3-Dichloropropene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Trichloroethene	UG/KG	R	5 UJ	6 UJ	6 UJ	5 UJ
Vinyl chloride	UG/KG	R	2 UJ	2 UJ	2 UJ	2 UJ
Semivolatiles						
1,2,4-Trichlorobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
1,2-Dichlorobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
1,3-Dichlorobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
1,4-Dichlorobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,4,5-Trichlorophenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,4,6-Trichlorophenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,4-Dichlorophenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,4-Dimethylphenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,4-Dinitrophenol	UG/KG	1,200 UJ	1,100 U	1,200 U	5,700 U	17,000 U
2,4-Dinitrotoluene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2,6-Dinitrotoluene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2-Chloronaphthalene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-04	SS-05	SS-06	SS-07	SS-08
Sample ID		SS-04	SS-05	SS-06	SS-07	SS-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
2-Chlorophenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2-Methyl-4,6-dinitrophenol	UG/KG	1,200 U	1,100 U	1,200 U	5,700 U	17,000 U
2-Methylnaphthalene	UG/KG	81 J	100 J	300 U	1,400 U	4,300 U
2-Methylphenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
2-Nitroaniline	UG/KG	1,200 U	1,100 U	1,200 U	5,700 U	17,000 U
2-Nitrophenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
3&4-Methylphenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
3,3'-Dichlorobenzidine	UG/KG	620 U	540 U	600 UJ	2,800 UJ	8,600 UJ
3-Nitroaniline	UG/KG	1,200 U	1,100 U	1,200 U	5,700 U	17,000 U
4-Bromophenylphenylether	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
4-Chloro-3-methylphenol	UG/KG	620 U	540 U	600 U	2,800 U	8,600 U
4-Chloroaniline	UG/KG	620 U	540 U	600 U	2,800 U	8,600 U
4-Chlorophenylphenylether	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
4-Nitroaniline	UG/KG	1,200 U	1,100 U	1,200 U	5,700 U	17,000 U
4-Nitrophenol	UG/KG	1,200 U	1,100 U	1,200 U	5,700 U	17,000 U
Acenaphthene	UG/KG	72 J	130 J	300 U	1,400 U	4,300 U
Acenaphthylene	UG/KG	310 U	270 U	300 U	470 J	4,300 U
Anthracene	UG/KG	150 J	250 J	300 U	1,900	1,700 J
Benzo(a)anthracene	UG/KG	550	780	410 J	4,500 J	4,500 J
Benzo(a)pyrene	UG/KG	580 J	640 J	460 J	4,800 J	4,400 J
Benzo(b)fluoranthene	UG/KG	800 J	940 J	580 J	5,300 J	5,500 J
Benzo(g,h,i)perylene	UG/KG	630 J	580 J	400 J	4,600 J	4,900 J
Benzo(k)fluoranthene	UG/KG	310 UJ	320 J	R	1,800 J	R
bis(2-Chloroethoxymethane)	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-04	SS-05	SS-06	SS-07	SS-08
Sample ID		SS-04	SS-05	SS-06	SS-07	SS-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
bis(2-Chloroethylether)	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
bis(2-Chloroisopropylether)	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
bis(2-Ethylhexyl)phthalate	UG/KG	250 J	410	300 UJ	1,400 UJ	4,300 UJ
Butylbenzylphthalate	UG/KG	310 U	650	300 UJ	1,400 UJ	4,300 UJ
Carbazole	UG/KG	310 U	150 J	300 U	1,400 U	4,300 U
Chrysene	UG/KG	640	760	490 J	3,700 J	4,600 J
Dibenzo(a,h)anthracene	UG/KG	310 UJ	270 UJ	R	1,400 UJ	R
Dibenzofuran	UG/KG	310 U	270 U	300 U	390 J	4,300 U
Diethylphthalate	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Dimethylphthalate	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Di-n-butylphthalate	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Di-n-octylphthalate	UG/KG	310 UJ	270 UJ	R	1,400 UJ	R
Fluoranthene	UG/KG	900	1,400	750	8,300	7,800
Fluorene	UG/KG	310 U	120 J	300 U	690 J	4,300 U
Hexachlorobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Hexachlorobutadiene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Hexachlorocyclopentadiene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Hexachloroethane	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Indeno(1,2,3-cd)pyrene	UG/KG	500 J	590 J	330 J	4,600 J	R
Isophorone	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Naphthalene	UG/KG	140 J	200 J	300 U	340 J	890 J
Nitrobenzene	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
N-Nitrosodi-n-propylamine	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
N-Nitrosodiphenylamine	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-04	SS-05	SS-06	SS-07	SS-08
Sample ID		SS-04	SS-05	SS-06	SS-07	SS-08
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
Pentachlorophenol	UG/KG	1,200 UJ	1,100 U	1,200 U	5,700 U	17,000 U
Phenanthrene	UG/KG	600	1,000	390	6,300	7,500
Phenol	UG/KG	310 U	270 U	300 U	1,400 U	4,300 U
Pyrene	UG/KG	1,700	1,500	1,500 J	12,000 J	18,000 J
PCBs						
Aroclor 1016	UG/KG	110 U	98 U	120 U	110 U	110 U
Aroclor 1221	UG/KG	230 U	200 U	230 U	220 U	220 U
Aroclor 1232	UG/KG	110 U	98 U	120 U	110 U	110 U
Aroclor 1242	UG/KG	110 U	98 U	120 U	110 U	110 U
Aroclor 1248	UG/KG	110 U	98 U	120 U	110 U	110 U
Aroclor 1254	UG/KG	110 U	98 U	120 U	290	340
Aroclor 1260	UG/KG	110 U	98 U	120 U	110 U	110 U
Metals						
Arsenic	MG/KG	6.9	2.0 B	3.5	3.8	4.6
Barium	MG/KG	R	R	R	R	R
Cadmium	MG/KG	1.5	0.98 J	1.4	1.5	1.5
Chromium	MG/KG	22.7 J	13.6 J	17.5 J	66.4 J	64.3 J
Lead	MG/KG	244 J	35.5 J	116 J	582 J	554 J
Mercury	MG/KG	0.16	0.078	0.19	2.1	0.60
Selenium	MG/KG	0.61 U	0.50 U	0.52 U	0.49 U	0.56 U
Silver	MG/KG	1.2 U	1.0 U	1.2 U	1.1 U	1.1 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-09	SS-10	SS-11	SS-12	SS-13
Sample ID		SS-09	SS-10	SS-11	SS-12	SS-13
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	R	R	R	R	R
1,1,2-Trichloroethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
1,1-Dichloroethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
1,1-Dichloroethene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
1,2-Dichloroethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
1,2-Dichloropropane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
2-Butanone (MEK)	UG/KG	29 UJ	24 UJ	26 UJ	29 UJ	29 UJ
2-Hexanone	UG/KG	12 UJ	10 UJ	10 UJ	11 UJ	12 UJ
4-Methyl-2-pentanone	UG/KG	12 UJ	10 UJ	10 UJ	11 UJ	12 UJ
Acetone	UG/KG	R	24 UJ	R	R	R
Benzene	UG/KG	0.8 UJ	0.7 UJ	0.7 UJ	0.8 UJ	0.8 UJ
Bromodichloromethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Bromoform	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Bromomethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Carbon disulfide	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Carbon tetrachloride	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Chlorobenzene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Chloroethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Chloroform	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Chloromethane	UG/KG	9 UJ	5 UJ	5 UJ	6 UJ	6 UJ
cis-1,2-Dichloroethene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
cis-1,3-Dichloropropene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Dibromochloromethane	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-09	SS-10	SS-11	SS-12	SS-13
Sample ID		SS-09	SS-10	SS-11	SS-12	SS-13
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Volatiles						
Ethylbenzene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
m&p-Xylene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Methylene chloride	UG/KG	10 J	12 UJ	7 J	8 J	7 J
o-Xylene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Styrene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Tetrachloroethene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Toluene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
trans-1,2-Dichloroethene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
trans-1,3-Dichloropropene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Trichloroethene	UG/KG	6 UJ	5 UJ	5 UJ	6 UJ	6 UJ
Vinyl chloride	UG/KG	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Semivolatiles						
1,2,4-Trichlorobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
1,2-Dichlorobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
1,3-Dichlorobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
1,4-Dichlorobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,4,5-Trichlorophenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,4,6-Trichlorophenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,4-Dichlorophenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,4-Dimethylphenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,4-Dinitrophenol	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
2,4-Dinitrotoluene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2,6-Dinitrotoluene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2-Chloronaphthalene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-09	SS-10	SS-11	SS-12	SS-13
Sample ID		SS-09	SS-10	SS-11	SS-12	SS-13
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
2-Chlorophenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2-Methyl-4,6-dinitrophenol	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
2-Methylnaphthalene	UG/KG	4,300 U	6,600 J	280 U	330 U	300 U
2-Methylphenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
2-Nitroaniline	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
2-Nitrophenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
3&4-Methylphenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
3,3'-Dichlorobenzidine	UG/KG	8,600 UJ	26,000 U	570 U	650 U	610 U
3-Nitroaniline	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
4-Bromophenylphenylether	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
4-Chloro-3-methylphenol	UG/KG	8,600 U	26,000 U	570 U	650 U	610 U
4-Chloroaniline	UG/KG	8,600 U	26,000 U	570 U	650 U	610 U
4-Chlorophenylphenylether	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
4-Nitroaniline	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
4-Nitrophenol	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
Acenaphthene	UG/KG	1,700 J	15,000	280 U	330 U	300 U
Acenaphthylene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Anthracene	UG/KG	4,300	38,000	280 U	330 U	300 U
Benzo(a)anthracene	UG/KG	8,800 J	65,000	140 J	320 J	160 J
Benzo(a)pyrene	UG/KG	7,200 J	57,000 J	140 J	340 J	880 J
Benzo(b)fluoranthene	UG/KG	8,900 J	80,000 J	210 J	530 J	3,400 J
Benzo(g,h,i)perylene	UG/KG	6,200 J	24,000 J	280 UJ	260 J	R
Benzo(k)fluoranthene	UG/KG	R	33,000 J	280 UJ	330 UJ	1,400 J
bis(2-Chloroethoxymethane)	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-09	SS-10	SS-11	SS-12	SS-13
Sample ID		SS-09	SS-10	SS-11	SS-12	SS-13
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
bis(2-Chloroethylether)	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
bis(2-Chloroisopropylether)	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
bis(2-Ethylhexyl)phthalate	UG/KG	4,300 UJ	13,000 U	280 U	180 J	300 U
Butylbenzylphthalate	UG/KG	4,300 UJ	13,000 U	280 U	330 U	300 U
Carbazole	UG/KG	1,900 J	20,000	280 U	330 U	300 U
Chrysene	UG/KG	8,600 J	63,000	160 J	450	170 J
Dibenzo(a,h)anthracene	UG/KG	R	13,000 UJ	280 UJ	330 UJ	R
Dibenzofuran	UG/KG	1,200 J	11,000 J	280 U	330 U	300 U
Diethylphthalate	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Dimethylphthalate	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Di-n-butylphthalate	UG/KG	4,300 U	3,600 J	280 U	100 J	300 U
Di-n-octylphthalate	UG/KG	R	13,000 UJ	280 UJ	330 UJ	R
Fluoranthene	UG/KG	13,000	150,000	280 J	790	300 U
Fluorene	UG/KG	2,200 J	18,000	280 U	330 U	300 U
Hexachlorobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Hexachlorobutadiene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Hexachlorocyclopentadiene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Hexachloroethane	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Indeno(1,2,3-cd)pyrene	UG/KG	4,800 J	21,000 J	280 UJ	330 UJ	R
Isophorone	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Naphthalene	UG/KG	4,300 U	18,000	280 U	330 U	300 U
Nitrobenzene	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
N-Nitrosodi-n-propylamine	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
N-Nitrosodiphenylamine	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 1
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		SS-09	SS-10	SS-11	SS-12	SS-13
Sample ID		SS-09	SS-10	SS-11	SS-12	SS-13
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		07/26/01	07/26/01	07/26/01	07/26/01	07/26/01
Parameter	Units					
Semivolatiles						
Pentachlorophenol	UG/KG	17,000 U	52,000 U	1,100 U	1,300 U	1,200 U
Phenanthrene	UG/KG	15,000	130,000	140 J	450	220 J
Phenol	UG/KG	4,300 U	13,000 U	280 U	330 U	300 U
Pyrene	UG/KG	33,000 J	130,000	300	730	300 U
PCBs						
Aroclor 1016	UG/KG	110 U	100 U	110 U	130 U	110 U
Aroclor 1221	UG/KG	230 U	210 U	210 U	260 U	230 U
Aroclor 1232	UG/KG	110 U	100 U	110 U	130 U	110 U
Aroclor 1242	UG/KG	110 U	100 U	110 U	130 U	110 U
Aroclor 1248	UG/KG	110 U	100 U	110 U	130 U	110 U
Aroclor 1254	UG/KG	110 U	100 U	320	130 U	110 U
Aroclor 1260	UG/KG	510	1,400	110 U	130 U	110 U
Metals						
Arsenic	MG/KG	8.7	4.6	4.4	15.7	6.7
Barium	MG/KG	R	R	R	R	R
Cadmium	MG/KG	3.4	2.4	2.3	1.5	1.6
Chromium	MG/KG	185 J	32.6 J	183 J	12.6 J	6.9 J
Lead	MG/KG	587 J	687 J	1,750 J	138 J	52.2 J
Mercury	MG/KG	0.26	0.15	0.41	0.20	0.12
Selenium	MG/KG	0.55 U	0.50 U	0.52 U	0.61 U	0.27 B
Silver	MG/KG	1.1 U	0.80 B	1.1 U	1.1 U	1.2 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	UG/L	25 U	25 U	25 U	25 U	25 U
2-Hexanone	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	25 UJ	25 UJ	25 UJ	25 UJ	30 UJ
Benzene	UG/L	0.7 UJ	0.7 UJ	0.7 UJ	0.7 UJ	2 J
Bromodichloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
Bromoform	UG/L	5 U	5 U	5 U	5 U	5 U
Bromomethane	UG/L	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	UG/L	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	UG/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
Chloroform	UG/L	5 U	5 U	5 U	5 U	5 U
Chloromethane	UG/L	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	UG/L	47	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UG/L	5 U	5 U	5 U	5 U	5 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/07/01	08/07/01	08/07/01	08/07/01	08/07/01
Parameter	Units					
Volatiles						
Ethylbenzene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
m&p-Xylene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Methylene chloride	UG/L	5 U	5 U	5 U	5 U	5 U
o-Xylene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Styrene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Tetrachloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
Toluene	UG/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
trans-1,2-Dichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	5 U	5 U	5 U	5 U
Trichloroethene	UG/L	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	UG/L	2 U	2 U	2 U	2 U	2 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/07/01	08/07/01	08/07/01
Parameter	Units			
Volatiles				
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U
2-Butanone (MEK)	UG/L	25 U	25 U	25 UJ
2-Hexanone	UG/L	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	8 J	10 U
Acetone	UG/L	25 UJ	25 UJ	25 UJ
Benzene	UG/L	0.7 UJ	36 J	4 J
Bromodichloromethane	UG/L	5 U	5 U	5 U
Bromoform	UG/L	5 U	5 U	5 U
Bromomethane	UG/L	5 U	5 U	5 U
Carbon disulfide	UG/L	5 U	5 U	5 U
Carbon tetrachloride	UG/L	5 U	5 U	5 U
Chlorobenzene	UG/L	5 UJ	5 UJ	5 UJ
Chloroethane	UG/L	5 U	5 U	5 U
Chloroform	UG/L	5 U	5 U	5 U
Chloromethane	UG/L	5 U	5 U	5 U
cis-1,2-Dichloroethene	UG/L	5 U	150	31
cis-1,3-Dichloropropene	UG/L	5 U	5 U	5 U
Dibromochloromethane	UG/L	5 U	5 U	5 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/07/01	08/07/01	08/07/01
Parameter	Units			
Volatiles				
Ethylbenzene	UG/L	5 UJ	690 DJ	5 UJ
m&p-Xylene	UG/L	5 J	660 DJ	6 J
Methylene chloride	UG/L	5 U	5 U	5 U
o-Xylene	UG/L	5 UJ	440 DJ	5 UJ
Styrene	UG/L	5 UJ	16 J	5 UJ
Tetrachloroethene	UG/L	5 U	5 U	5 U
Toluene	UG/L	5 UJ	660 DJ	5 UJ
trans-1,2-Dichloroethene	UG/L	5 U	5 U	7
trans-1,3-Dichloropropene	UG/L	5 U	5 U	5 U
Trichloroethene	UG/L	5 U	19	5 U
Vinyl chloride	UG/L	2 U	10	54

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
Parameter	Units					
Semivolatiles						
1,2,4-Trichlorobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
1,2-Dichlorobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
1,3-Dichlorobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
1,4-Dichlorobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
2,4,5-Trichlorophenol	UG/L	6 U	6 U	6 U	5 U	57 U
2,4,6-Trichlorophenol	UG/L	6 U	6 U	6 U	5 U	57 U
2,4-Dichlorophenol	UG/L	6 U	6 U	6 U	5 U	57 U
2,4-Dimethylphenol	UG/L	6 U	6 U	6 U	5 U	57 U
2,4-Dinitrophenol	UG/L	22 U	22 U	22 U	22 U	230 U
2,4-Dinitrotoluene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 UJ
2,6-Dinitrotoluene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
2-Chloronaphthalene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
2-Chlorophenol	UG/L	6 U	6 U	6 U	5 U	57 U
2-Methyl-4,6-dinitrophenol	UG/L	22 U	22 U	22 U	22 U	230 U
2-Methylnaphthalene	UG/L	6 U	6 UJ	6 UJ	12 J	800
2-Methylphenol	UG/L	6 U	6 U	6 U	5 U	57 U
2-Nitroaniline	UG/L	22 U	22 UJ	22 UJ	22 UJ	230 UJ
2-Nitrophenol	UG/L	6 U	6 U	6 U	5 U	57 U
3&4-Methylphenol	UG/L	6 U	6 U	6 U	5 U	57 U
3,3'-Dichlorobenzidine	UG/L	11 U	11 UJ	11 UJ	11 UJ	110 U
3-Nitroaniline	UG/L	22 U	22 UJ	22 UJ	22 UJ	230 U
4-Bromophenylphenylether	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
4-Chloro-3-methylphenol	UG/L	11 U	11 U	11 U	11 U	110 U
4-Chloroaniline	UG/L	11 U	11 UJ	11 UJ	11 UJ	110 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
Parameter	Units					
Semivolatiles						
4-Chlorophenylphenylether	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
4-Nitroaniline	UG/L	22 U	22 UJ	22 UJ	22 UJ	230 U
4-Nitrophenol	UG/L	22 U	22 U	22 UJ	22 U	230 UJ
Acenaphthene	UG/L	6 U	6 UJ	6 UJ	4 J	65
Acenaphthylene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Anthracene	UG/L	6 U	6 UJ	6 UJ	5 UJ	22 J
Benzo(a)anthracene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Benzo(a)pyrene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Benzo(b)fluoranthene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Benzo(g,h,i)perylene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Benzo(k)fluoranthene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
bis(2-Chloroethoxymethane)	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
bis(2-Chloroethylether)	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
bis(2-Chloroisopropylether)	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
bis(2-Ethylhexyl)phthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Butylbenzylphthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Carbazole	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Chrysene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Dibenzo(a,h)anthracene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Dibenzofuran	UG/L	6 U	6 UJ	6 UJ	5 UJ	43 J
Diethylphthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Dimethylphthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Di-n-butylphthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Di-n-octylphthalate	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
Parameter	Units					
Semivolatiles						
Fluoranthene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 UJ
Fluorene	UG/L	6 U	6 UJ	6 UJ	2 J	93
Hexachlorobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Hexachlorobutadiene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 UJ
Hexachlorocyclopentadiene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Hexachloroethane	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Indeno(1,2,3-cd)pyrene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Isophorone	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Naphthalene	UG/L	6 U	6 UJ	6 UJ	5 UJ	59
Nitrobenzene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
N-Nitrosodi-n-propylamine	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
N-Nitrosodiphenylamine	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
Pentachlorophenol	UG/L	22 U	22 U	22 U	22 U	230 U
Phenanthrene	UG/L	6 U	6 UJ	6 UJ	5 UJ	220
Phenol	UG/L	6 U	6 U	6 U	5 U	57 U
Pyrene	UG/L	6 U	6 UJ	6 UJ	5 UJ	57 U
PCBs						
Aroclor 1016	UG/L	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Aroclor 1221	UG/L	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Aroclor 1232	UG/L	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Aroclor 1242	UG/L	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Aroclor 1248	UG/L	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U
Aroclor 1254	UG/L	0.3	0.2	0.1 U	0.1 UJ	0.1 U
Aroclor 1260	UG/L	0.1 U	0.1 U	0.1 U	0.1 UJ	11 D

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-01	MW-02	MW-03	MW-04	MW-05
Sample ID		MW-01	MW-02	MW-03	MW-04	MW-05
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01	08/08/01	08/08/01
Parameter	Units					
Metals						
Arsenic	UG/L	R	5.0 B	6.0 B	10.2	11.2
Barium	UG/L	301	73.0 B	749	337	2,390
Cadmium	UG/L	5.0 U	5.0 U	5.6 J	5.0 U	21.9
Chromium	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Lead	UG/L	7.0	2.4 B	13.4	96.0	581
Mercury	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ
Selenium	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dissolved Metals						
Arsenic	UG/L	R	7.0 B	3.5 B	3.3 B	4.2 B
Barium	UG/L	289	81.3 B	76.7 B	233	405
Cadmium	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chromium	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Lead	UG/L	3.0 U	1.0 B	3.0 U	6.9	24.3
Mercury	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.26 J
Selenium	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01
Parameter	Units			
Semivolatiles				
1,2,4-Trichlorobenzene	UG/L	57 U	56 U	6 UJ
1,2-Dichlorobenzene	UG/L	57 U	56 U	6 UJ
1,3-Dichlorobenzene	UG/L	57 U	56 U	6 UJ
1,4-Dichlorobenzene	UG/L	57 U	56 U	6 UJ
2,4,5-Trichlorophenol	UG/L	57 U	56 U	6 U
2,4,6-Trichlorophenol	UG/L	57 U	56 U	6 U
2,4-Dichlorophenol	UG/L	57 U	56 U	6 U
2,4-Dimethylphenol	UG/L	57 U	56 U	6 U
2,4-Dinitrophenol	UG/L	230 U	220 U	23 U
2,4-Dinitrotoluene	UG/L	57 UJ	56 UJ	6 UJ
2,6-Dinitrotoluene	UG/L	57 U	56 U	6 UJ
2-Chloronaphthalene	UG/L	57 U	56 U	6 UJ
2-Chlorophenol	UG/L	57 U	56 U	6 U
2-Methyl-4,6-dinitrophenol	UG/L	230 U	220 U	23 U
2-Methylnaphthalene	UG/L	800	1,200	6 UJ
2-Methylphenol	UG/L	57 U	56 U	6 U
2-Nitroaniline	UG/L	230 UJ	220 UJ	23 UJ
2-Nitrophenol	UG/L	57 U	56 U	6 U
3&4-Methylphenol	UG/L	57 U	56 U	6 U
3,3'-Dichlorobenzidine	UG/L	110 U	110 U	11 UJ
3-Nitroaniline	UG/L	230 U	220 U	23 UJ
4-Bromophenylphenylether	UG/L	57 U	56 U	6 UJ
4-Chloro-3-methylphenol	UG/L	110 U	110 U	11 U
4-Chloroaniline	UG/L	110 U	110 U	11 UJ

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01
Parameter	Units			
Semivolatiles				
4-Chlorophenylphenylether	UG/L	57 U	56 U	6 UJ
4-Nitroaniline	UG/L	230 U	220 U	23 UJ
4-Nitrophenol	UG/L	230 UJ	220 UJ	23 UJ
Acenaphthene	UG/L	120	620	13 J
Acenaphthylene	UG/L	57 U	120	6 UJ
Anthracene	UG/L	54 J	360	2 J
Benzo(a)anthracene	UG/L	57 U	140	3 J
Benzo(a)pyrene	UG/L	57 U	88	3 J
Benzo(b)fluoranthene	UG/L	57 U	71	4 J
Benzo(g,h,i)perylene	UG/L	57 U	56 U	6 UJ
Benzo(k)fluoranthene	UG/L	57 U	25 J	2 J
bis(2-Chloroethoxymethane)	UG/L	57 U	56 U	6 UJ
bis(2-Chloroethylether)	UG/L	57 U	56 U	6 UJ
bis(2-Chloroisopropylether)	UG/L	57 U	56 U	6 UJ
bis(2-Ethylhexyl)phthalate	UG/L	57 U	56 U	85 J
Butylbenzylphthalate	UG/L	57 U	56 U	6 UJ
Carbazole	UG/L	57 U	56 U	6 UJ
Chrysene	UG/L	57 U	140	2 J
Dibenzo(a,h)anthracene	UG/L	57 U	56 U	6 UJ
Dibenzofuran	UG/L	72	76	6 UJ
Diethylphthalate	UG/L	57 U	56 U	6 UJ
Dimethylphthalate	UG/L	57 U	56 U	6 UJ
Di-n-butylphthalate	UG/L	57 U	56 U	6 UJ
Di-n-octylphthalate	UG/L	57 U	56 U	6 UJ

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01
Parameter	Units			
Semivolatiles				
Fluoranthene	UG/L	57 UJ	320 J	8 J
Fluorene	UG/L	200	440	2 J
Hexachlorobenzene	UG/L	57 U	56 U	6 UJ
Hexachlorobutadiene	UG/L	57 UJ	56 UJ	6 UJ
Hexachlorocyclopentadiene	UG/L	57 U	56 U	6 UJ
Hexachloroethane	UG/L	57 U	56 U	6 UJ
Indeno(1,2,3-cd)pyrene	UG/L	57 U	56 U	6 UJ
Isophorone	UG/L	57 U	56 U	6 UJ
Naphthalene	UG/L	57 U	3,000 D	1 J
Nitrobenzene	UG/L	57 U	56 U	6 UJ
N-Nitrosodi-n-propylamine	UG/L	57 U	56 U	6 UJ
N-Nitrosodiphenylamine	UG/L	57 U	56 U	6 UJ
Pentachlorophenol	UG/L	230 U	220 U	23 U
Phenanthrene	UG/L	530	1,200	6 J
Phenol	UG/L	57 U	56 U	6 U
Pyrene	UG/L	64	380	9 J
PCBs				
Aroclor 1016	UG/L	0.1 UJ	0.1 U	0.1 U
Aroclor 1221	UG/L	0.2 UJ	0.2 U	0.2 U
Aroclor 1232	UG/L	0.1 UJ	0.1 U	0.1 U
Aroclor 1242	UG/L	0.1 UJ	0.1 U	0.1 U
Aroclor 1248	UG/L	0.1 UJ	0.1 U	0.1 U
Aroclor 1254	UG/L	0.1 UJ	0.1 U	0.1 U
Aroclor 1260	UG/L	0.1 UJ	0.1 U	0.1 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/12/02

CHECKED BY: JMM 11/12/02

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		MW-06	MW-07	MW-08
Sample ID		MW-06	MW-07	MW-08
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		08/08/01	08/08/01	08/08/01
Parameter	Units			
Metals				
Arsenic	UG/L	17.1	5.8 B	14.0 B
Barium	UG/L	1,660	163 B	880
Cadmium	UG/L	5.0 U	5.0 U	5.0 U
Chromium	UG/L	21.5	10.0 U	14.5
Lead	UG/L	83.9	36.3	272
Mercury	UG/L	0.22	0.20 UJ	0.20 U
Selenium	UG/L	5.0 U	5.0 U	5.0 U
Silver	UG/L	10.0 U	10.0 U	10.0 U
Dissolved Metals				
Arsenic	UG/L	4.5 B	7.6 B	2.4 B
Barium	UG/L	420	106 B	232
Cadmium	UG/L	5.0 U	5.0 U	5.0 U
Chromium	UG/L	10.0 U	10.0 U	10.0 U
Lead	UG/L	14.6	1.4 B	1.6 B
Mercury	UG/L	0.20 U	0.26 J	0.20 U
Selenium	UG/L	5.0 U	5.0 U	5.0 U
Silver	UG/L	10.0 U	10.0 U	10.0 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1	RB-2	TRIP BLANK
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		07/26/01	07/26/01	08/07/01
Parameter	Units	Material Rinse Blank (1-1)	Material Rinse Blank (2-1)	Trip Blank (1-1)
Volatiles				
1,1,1-Trichloroethane	UG/L	R	R	5 U
1,1,2,2-Tetrachloroethane	UG/L	R	R	5 U
1,1,2-Trichloroethane	UG/L	R	R	5 U
1,1-Dichloroethane	UG/L	R	R	5 U
1,1-Dichloroethene	UG/L	R	R	5 U
1,2-Dichloroethane	UG/L	R	R	5 U
1,2-Dichloropropane	UG/L	R	R	5 U
2-Butanone (MEK)	UG/L	R	R	25 UJ
2-Hexanone	UG/L	R	R	10 U
4-Methyl-2-pentanone	UG/L	R	R	10 U
Acetone	UG/L	37 J	36 J	25 U
Benzene	UG/L	R	R	0.7 U
Bromodichloromethane	UG/L	R	R	5 U
Bromoform	UG/L	R	R	5 U
Bromomethane	UG/L	R	R	5 U
Carbon disulfide	UG/L	R	R	5 U
Carbon tetrachloride	UG/L	R	R	5 U
Chlorobenzene	UG/L	R	R	5 U
Chloroethane	UG/L	R	R	5 U
Chloroform	UG/L	R	R	5 U
Chloromethane	UG/L	R	R	5 U
cis-1,2-Dichloroethene	UG/L	R	R	5 U
cis-1,3-Dichloropropene	UG/L	R	R	5 U
Dibromochloromethane	UG/L	R	R	5 U

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1	RB-2	TRIP BLANK
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		07/26/01	07/26/01	08/07/01
Parameter	Units	Material Rinse Blank (1-1)	Material Rinse Blank (2-1)	Trip Blank (1-1)
Volatiles				
Ethylbenzene	UG/L	R	R	5 U
m&p-Xylene	UG/L	R	R	5 U
Methylene chloride	UG/L	R	R	5 U
o-Xylene	UG/L	R	R	5 U
Styrene	UG/L	R	R	5 U
Tetrachloroethene	UG/L	R	R	5 U
Toluene	UG/L	R	R	5 U
trans-1,2-Dichloroethene	UG/L	R	R	5 U
trans-1,3-Dichloropropene	UG/L	R	R	5 U
Trichloroethene	UG/L	R	R	5 U
Vinyl chloride	UG/L	R	R	2 U
Semivolatiles				
1,2,4-Trichlorobenzene	UG/L	1 J	5 U	NA
1,2-Dichlorobenzene	UG/L	1 J	5 U	NA
1,3-Dichlorobenzene	UG/L	5 U	5 U	NA
1,4-Dichlorobenzene	UG/L	5 U	5 U	NA
2,4,5-Trichlorophenol	UG/L	5 U	5 U	NA
2,4,6-Trichlorophenol	UG/L	5 U	5 U	NA
2,4-Dichlorophenol	UG/L	5 U	5 U	NA
2,4-Dimethylphenol	UG/L	5 U	5 U	NA
2,4-Dinitrophenol	UG/L	21 UJ	20 UJ	NA
2,4-Dinitrotoluene	UG/L	5 U	5 U	NA
2,6-Dinitrotoluene	UG/L	5 U	5 U	NA
2-Chloronaphthalene	UG/L	5 U	5 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1	RB-2	TRIP BLANK
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		07/26/01	07/26/01	08/07/01
Parameter	Units	Material Rinse Blank (1-1)	Material Rinse Blank (2-1)	Trip Blank (1-1)
Semivolatiles				
2-Chlorophenol	UG/L	5 U	5 U	NA
2-Methyl-4,6-dinitrophenol	UG/L	21 U	20 U	NA
2-Methylnaphthalene	UG/L	5 U	5 U	NA
2-Methylphenol	UG/L	5 U	5 U	NA
2-Nitroaniline	UG/L	21 U	20 U	NA
2-Nitrophenol	UG/L	5 U	5 U	NA
3&4-Methylphenol	UG/L	5 U	5 U	NA
3,3'-Dichlorobenzidine	UG/L	11 U	10 U	NA
3-Nitroaniline	UG/L	21 U	20 U	NA
4-Bromophenylphenylether	UG/L	5 U	5 U	NA
4-Chloro-3-methylphenol	UG/L	11 U	10 U	NA
4-Chloroaniline	UG/L	11 U	10 U	NA
4-Chlorophenylphenylether	UG/L	5 U	5 U	NA
4-Nitroaniline	UG/L	21 U	20 U	NA
4-Nitrophenol	UG/L	21 UJ	20 UJ	NA
Acenaphthene	UG/L	5 U	5 U	NA
Acenaphthylene	UG/L	5 U	5 U	NA
Anthracene	UG/L	5 U	5 U	NA
Benzo(a)anthracene	UG/L	5 U	5 U	NA
Benzo(a)pyrene	UG/L	5 U	5 U	NA
Benzo(b)fluoranthene	UG/L	5 U	5 U	NA
Benzo(g,h,i)perylene	UG/L	5 UJ	5 UJ	NA
Benzo(k)fluoranthene	UG/L	5 U	5 U	NA
bis(2-Chloroethoxymethane)	UG/L	5 U	5 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1	RB-2	TRIP BLANK
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		07/26/01	07/26/01	08/07/01
Parameter	Units	Material Rinse Blank (1-1)	Material Rinse Blank (2-1)	Trip Blank (1-1)
Semivolatiles				
bis(2-Chloroethylether)	UG/L	5 U	5 U	NA
bis(2-Chloroisopropylether)	UG/L	5 U	5 U	NA
bis(2-Ethylhexyl)phthalate	UG/L	5 U	5 U	NA
Butylbenzylphthalate	UG/L	5 U	5 U	NA
Carbazole	UG/L	5 U	5 U	NA
Chrysene	UG/L	5 U	5 U	NA
Dibenzo(a,h)anthracene	UG/L	5 UJ	5 UJ	NA
Dibenzofuran	UG/L	5 U	5 U	NA
Diethylphthalate	UG/L	5 U	5 U	NA
Dimethylphthalate	UG/L	5 U	5 U	NA
Di-n-butylphthalate	UG/L	5 U	5 U	NA
Di-n-octylphthalate	UG/L	5 U	5 U	NA
Fluoranthene	UG/L	5 U	5 U	NA
Fluorene	UG/L	5 U	5 U	NA
Hexachlorobenzene	UG/L	5 U	5 U	NA
Hexachlorobutadiene	UG/L	5 U	5 U	NA
Hexachlorocyclopentadiene	UG/L	5 U	5 U	NA
Hexachloroethane	UG/L	5 U	5 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	5 UJ	5 UJ	NA
Isophorone	UG/L	5 U	5 U	NA
Naphthalene	UG/L	5 U	5 U	NA
Nitrobenzene	UG/L	5 U	5 U	NA
N-Nitrosodi-n-propylamine	UG/L	5 U	5 U	NA
N-Nitrosodiphenylamine	UG/L	5 U	5 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
153 FILLMORE AVE

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1	RB-2	TRIP BLANK
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		07/26/01	07/26/01	08/07/01
Parameter	Units	Material Rinse Blank (1-1)	Material Rinse Blank (2-1)	Trip Blank (1-1)
Semivolatiles				
Pentachlorophenol	UG/L	21 U	20 U	NA
Phenanthrene	UG/L	5 U	5 U	NA
Phenol	UG/L	5 U	5 U	NA
Pyrene	UG/L	5 U	5 U	NA
PCBs				
Aroclor 1016	UG/L	0.1 U	0.1 U	NA
Aroclor 1221	UG/L	0.2 U	0.2 U	NA
Aroclor 1232	UG/L	0.1 U	0.1 U	NA
Aroclor 1242	UG/L	0.1 U	0.1 U	NA
Aroclor 1248	UG/L	0.1 U	0.1 U	NA
Aroclor 1254	UG/L	0.1 U	0.1 U	NA
Aroclor 1260	UG/L	0.1 U	0.1 U	NA
Metals				
Arsenic	UG/L	10.0 U	10.0 U	NA
Barium	UG/L	3.2 B	5.7 B	NA
Cadmium	UG/L	5.0 U	5.0 U	NA
Chromium	UG/L	10.0 U	81.0	NA
Lead	UG/L	8.4	4.3	NA
Mercury	UG/L	0.20 U	0.20 U	NA
Selenium	UG/L	5.0 U	5.0 U	NA
Silver	UG/L	10.0 U	10.0 U	NA

Flags assigned during chemistry validation are shown.

MADE BY: GEK 11/7/02

CHECKED BY: JMM 11/7/02

Detection Limits shown are PQL

ATTACHMENT A

SUPPORT DOCUMENTATION

ATTACHMENT A

SUPPORT DOCUMENTATION

CHAIN OF CUSTODY RECORD

PROJECT NO.

050035842-00

SAMPLERS (PRINT/SIGNATURE)

Scott McElaine

SITE NAME

153 Fillmore Ave.

DELIVERY SERVICE: *FEDEX* AIRBILL NO. *8213 6611 8472*

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
MW-5	7/25/01	0840	G	MW5-8-9	So
SB-6	↓	1040	↓	SB6-10-12	↓
SB-8	↓	1400	↓	SB8-9-11	↓

TOTAL NO. OF CONTAINERS

3 3 3

TESTS

TL VOC
TL SVOC
TL PCB
ALCA
METALS

BOTTLE TYPE AND PRESERVATIVE

73300 REMARKS

SAMPLE TYPE
BEGINNING DEPTH (IN FEET)
ENDING DEPTH (IN FEET)
FIELD LOT NO. #

M 8 9
M 10 12
M 19 11

URS Greiner

LAB *Fixed Laboratory Inc*

COOLER 1 of 1

PAGE 1 of 1

LH - HAZARDOUS LIQUID WASTE
LF - FLOATING/FREE PRODUCT ON GW TABLE

WO - OCEAN WATER
WS - SURFACE WATER
WQ - WATER FIELD QC

WL - LEACHATE
GS - SOIL GAS
WC - DRILLING WATER

WG - GROUND WATER
SO - SOIL
DC - DRILL CUTTINGS

SL - SLUDGE
WP - DRINKING WATER
WW - WASTE WATER

AA - AMBIENT AIR
SE - SEDIMENT
SH - HAZARDOUS SOLID WASTE

MB - MATRIX SPIKE DUPLICATE
TB - TRIP BLANK
SD - MATRIX SPIKE

N# - NORMAL ENVIRONMENTAL SAMPLE
MS# - MATRIX SPIKE

RECEIVED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

DATE

TIME

SPECIAL INSTRUCTIONS

5.0

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD

PROJECT NO. 05-00035842 SITE NAME 153 Fillmore Ave

SAMPLERS (PRINT/SIGNATURE) Kevin S. Kearney/Kevin Kearney

DELIVERY SERVICE: Federal Express AIRBILL NO.: 8212664/18483

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
SS-1	7/26/01	1015	G	SS-1 0-6"	SO	3
SS-2	7/26/01	1040	G	SS-2 0-6"	SO	3
SS-3	7/26/01	1105	G	SS-3 0-6"	SO	3
SS-4	7/26/01	1120	G	SS-4 0-6"	SO	3
SS-5	7/26/01	1135	G	SS-5 0-6"	SO	3
SS-6	7/26/01	1235	G	SS-6 0-6"	SO	3
SS-7	7/26/01	1310	G	SS-7 0-6"	SO	3
SS-8	7/26/01	1415	G	SS-8 0-6"	SO	3
SS-9	7/26/01	1630	G	SS-9 0-6"	SO	3
SS-10	7/26/01	1430	G	SS-10 0-6"	SO	3
SS-11	7/26/01	1445	G	SS-11 0-6"	SO	3
SS-11	7/26/01	1445	G	SS-11 0-6" mixed	SO	3

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Kevin Kearney	7/26/01	1830	Don Jones	7/27/01	1106

RELINQUISHED BY (SIGNATURE) DATE TIME RECEIVED FOR LAB BY (SIGNATURE) DATE TIME

Distribution: Original accompanies shipment, copy to coordinator field files

TESTS

8260	8270/8022	T-Metals 40c	% Solids

BOTTLE TYPE AND PRESERVATIVE

802 glass 40c	802 glass 40c	802 glass 40c	802 glass 40c

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
73300	N1	0	6"	1
-11	N1	0	6"	1
-12	N1	0	6"	1
-13	N1	0	6"	1
-14	N1	0	6"	1
-15	N1	0	6"	1
-16	N1	0	6"	1
-17	N1	0	6"	1
-18	N1	0	6"	1
-19	N1	0	6"	1
-20	N1	0	6"	1
ms/msd	MS1	0	6"	1
21, 22, 23	MS1	0	6"	1

SPECIAL INSTRUCTIONS

Call George
Kissick if you have
questions.
(716) 858-5636



LAB Friend Laboratory
COOLER 1 of 2
PAGE 1 of 2

CHAIN OF CUSTODY RECORD

PROJECT NO. 05-00035842
 SITE NAME 153 Fillmore Ave

SAMPLERS (PRINT/SIGNATURE)

Kevin Kearney Kevin Kearney

DELIVERY SERVICE: Federal Express AIRBILL NO.: 82126641 8483

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
SS-12	7/26/01	1650	G	SS-12 0-6"	So
SS-13	7/26/01	1715	G	SS-13 0-6"	So
Rinse Blank	7/26/01	1800	G	RB-2	WQ

TOTAL NO. # OF CONTAINERS

3 3 8

TESTS

8260	8270/8022	T-Metals	% Solids	8260	8270/8022	T-Metals
BOTTLE TYPE AND PRESERVATIVE						

802 glass 40c	802 glass 40c	802 glass 40c	40 ml-Vial	Hcl	12 amber	12 plastic Hvers
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1

REMARKS

73300
 -24
 -25
 -26

SAMPLE TYPE BEGINNING DEPTH (IN FEET) ENDING DEPTH (IN FEET) FIELD LOT NO. # (RIPINS ONLY)

N1 0 6" N1 0 6" RB2 - - -

URS

LAB Friend Laboratory
 COOLER 2 of 2
 PAGE 2 of 2

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE							

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
Kevin Kearney	7/26/01	1830	Don Jones	7/26/01	1106	Call George Kisluck if you have questions 716 856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

INSTRUMENT: MSD-C

FL-01-082
FL #

NOTEBOOK #:

DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	Dilution	SAMPLE REANALYZED Filo #	Time	Rerun
8-9-01		1				8260 HP	5.4			3:34	
		2				08-0688.m				3:54	
		3								4:32	
		4								5:04	
		5								5:35	
		6								6:10	
		7								6:42	
		8								7:15	
		9			WB					7:47	
		10	VBK01		WB					8:10	
		11	L73584-4	26144						8:52	
		12	-5							9:24	
		13	-6							9:57	
		14	-7							10:24	
		15	L7340-5		UKS					11:02	1540
		16	-6							11:44	1540
8-10		1	54							12:07	
		2	VBK0005		BS 1001 98-017-265-20					12:34	
		3		26144						1:11	
		4								1:45	
8-10		8			Bbs Tune Good					4:10	
		9			500166					4:53	

COMMENTS: See page 43

DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED Dilution File #	Time	Run
8-10	~~6004~~	10			wb				5:28	
	6005	11			25 clp. hlx	50191027-2221			5:38	
	6006	12	L734742	2621	~~25 clp. hlx~~	u1	1.5		6:30	
	6007	13	-9	↓	↓	v5	↓		7:02	
	6008	14	L73461-1		~~25 clp. hlx~~				7:55	1579
	6009	15	-2						8:08	11
	6010	16	-3						8:40	
	6011	1	-4	2622					9:12	
	6012	2	L73465-1		↓				9:44	15791g
	6013	3	-3						10:16	1579
	6014	4			BS 50 clp. hlx 100191027-2221				10:44	
	6015	5	L73474-006	2621	~~25 clp. hlx~~	v5			11:21	
	6016	6	-11051	↓	↓	↓			11:53	
8-14	~~6017~~	1			~~25 clp. hlx~~	9200 HP			0:52	
	~~6018~~	2			~~25 clp. hlx~~	08-1488.01			7:17	
	~~6019~~	3			~~25 clp. hlx~~				7:49	
	~~6020~~	4			~~25 clp. hlx~~				8:21	
	~~6021~~	5			~~25 clp. hlx~~				8:51	
	~~6022~~	6			~~25 clp. hlx~~				9:15	
	~~6023~~	9			~~25 clp. hlx~~				9:57	
	~~6024~~	10			~~25 clp. hlx~~				10:27	
	~~6025~~	11			wb				11:01	

COMMENTS:

5/16

NOTEBOOK #:

FL-01-082
FL #

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DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED Dilution	File #	Time	Norm
8-14	6062	12			WB					11:33	
8-15		7				860 HP				11:57	
		3								12:25	
	6060	4	WBLKCA		WB					12:57	1520
	6061	5	L73465-4	26225						1:50	1520
	6062	12	76							2:22	
	6063	13	L73465-1							2:55	
	6064	14	-3							3:27	
	6065	15	L73461-1						C6004	4:00	1520
	6066	16	-2						9	4:32	
	6067	1	-3						10	5:04	
	6068	2	L72105-10							5:36	1520
	6069	3	L73300-14		VAS					6:08	1520
	6070	4	-24							6:41	
	6071	5	-13							7:13	
	6072	6	-17							7:46	
	6073	9	-12							8:18	
	6074	10	-25							8:50	
	6075	11	-21							9:23	
	6076	12	WBLKCAALS		BS 500-1000	FLY 027-220				9:55	
		13		26225						10:27	
		14								10:59	

COMMENTS:

2JA

02844

NOTEBOOK#:

FL-01-082
FL #

INSTRUMENT: MSD-C

PAGE: 45

DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED Dilution	File #	Time	Rerun
8-16		1				8260 hp				12:37	
		2				08-1681.m				1:06	
		3								4:38	1138
		4								2:40	
		5								2:43	
		6								3:15	
		9								3:47	
		10								4:14	
		11			WB					4:51	
		12			WB					5:23	
		13	L73466-3	26276						5:58	
		14	L72590-1							6:28	
		15	-3							7:00	
		16	-5							7:32	
		1	-6							8:05	
		2	-7							8:37	
		3	-8							9:04	
		4	-9							9:41	
		5	L73584-1							10:13	
		6			BS 20005 100 98-027-21079					10:45	
		9	L73584-1 msp							11:14	

COMMENTS:

02845

NOTEBOOK#:

FL-01-082
FL #

INSTRUMENT: MSD-C

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DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	SAMPLE REANALYZED
8-17		1				826011P	
		2					
		3					
		4	UBLK C3				
		5	6107	26247			
		6	6104	-3			
		7	6105	-8			
		9	6106	L73300-11	URS		
		10	6107	-15			
		11	6108	-16			
		12	6109	-18			
		13	6110	-20			
		14	6111	L72511-29			
		15	6112	-22			
		16	6113	UBLK C3MS	BS 26000L 000 1001718-027-2600		
		17	6114	L72511-22ms			
		18	6115	22ms			
8-23		1	6117		VTUNE	CLP-2000 HP	
		2	6118		US10010 98-027-267-5		
		3	6119		20		
		4	6120		50		
		5	6121		100		
		6	6122		200		

COMMENTS:

528

02846

NOTEBOOK#:

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FL #

INSTRUMENT: MSD-C

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DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED Dilution	File #	Time	Rerun
8-23	6127	9			VBIK					2:13	SS, continue
	6128	10			VBIKms 10ul 58-027-202-1					3:04	
	6129	11	673188-1	26404						3:49	138P
	6130	12	-3	↓						4:13	↓
	6131	13	-3ms							4:45	
	6132	14	3ms							5:17	
	6133	15	-1							5:44	
	6134	1	-5	26405		V1	1.5			6:29	
	6135	2	-6				↓			6:53	
8-24										11:10	
										11:40	
										12:13	
										12:45	
										1:17	
										1:49	
										2:21	
										2:53	
										3:25	
										3:58	
										4:30	
										5:03	
										5:35	

COMMENTS:

51b

02847

NOTEBOOK#:

FL-01-082

INSTRUMENT:

MSD-C

PAGE: 48

DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED		Time	Rerun
								Dilution	File #		
8/24	6147		672591-13							6:07	
	6146		672591-14							6:39	
	6147		672591-15							7:12	
	6148		672591-17							7:44	
	6149		672591-18							8:16	
	6150		672591-19							8:48	
	6151		672591-20							9:20	
	6152				BS 520/L CLP					9:51	
8/27		1								2:19	
		2				HP				2:48	
	6155	3	673300-5							3:20	
	6156	4	673300-5							4:18	
	6157	5	673300-9							4:50	
	6158	6	672591-11							5:23	
	6159	9	673300-20	26287						5:55	
	6160	10	673300-18							6:28	
	6161	11	673300-16							7:00	
	6162	12	673300-11							7:32	
	6163	13	673300-25	26229						8:05	
	6164	14	673300-12							8:37	
	6165	15	673300-24							8:09	
	6166	16	673300-19							9:41	

COMMENTS:

INSTRUMENT: MSD-C

FL-01-082

NOTEBOOK#:

DATE	FILE #	TUBE #	Log-in #	WG #	CUSTOMER/DESCRIPTION	SITE	pH	SAMPLE REANALYZED		Time	Rerun
								Dilution	File #		
8/27	6167	3	UWLKC4MS		BS 50mg/L CIP					10:13	
8/28		1								2:07	
		2								2:37	
	6170	3	UWLKC5		WS					3:09	
		4	L72591-24							4:11	
	6172	5	L72591-25							4:43	
	6173	6	L74492-1	26495				1:25		5:15	
	6174	7	L74492-2					1:10		5:47	
	6175	8			25mg/L CIP					6:20	
	6176	9	L72591-24							6:52	
	6177	10	L72591-25							7:24	
	6178	11	L72591-26							7:56	
	6179	12	L72591-27							8:28	
	6180	13	L72591-28							9:00	
		14	L72591-29							9:33	
	6182	15	L73300-13	26225	UKS					10:05	
	6183	16	L73300-17							10:37	
	6184	17	UWLKC5MS		BS 50mg/L CIP					11:09	
8/29/01		1			BFB Time					1:10	
	6186	2			50mg/L 8460 HP					1:39	
	6187	3			WS					2:11	
		4			BS 50mg/L CIP					3:30	

COMMENTS:

NOTEBOOK #: FL-01-126

INSTRUMENT: MSD-D

PAGE: 5

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED Dilution	File #	Time	Rerun
8-21					8200				11:49	
					08-21826.m				12:40	
									1:11	
									1:47	
									2:26	
									2:59	
									3:32	
									4:00	
									7:40	
									5:10	
					VI	5.5	1:10		5:48	
							Me. 121		6:21	
							1:50		8:54	
					BS sample 6108	1000 98007-206-11			7:24	
					20 0265 actually 1000		1:1002		8:02	
									8:35	
									9:09	
									9:42	
									10:15	
									10:41	
									11:23	
									11:50	

COMMENTS:

530

NOTEBOOK#:

FL-01-126
FL/

INSTRUMENT:

MSD-D

PAGE: 8

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time	Rerun
							Dilution	File #		
8-24	~~8818~~	L748803	26408				1:1000		1:31	1:500
	8819	-5							2:05	
	8820	-7							2:38	
	8821	-9							3:12	1:500
	8822	L748821							3:46	
	8823	-3							4:19	
	8824	-5							4:53	
	8825	-7							5:26	
	8826	L74468-1							6:00	1:500
	~~8827~~	-3							6:33	1:500
8/24									10:03	
									10:33	
	8830	VBLEDI							11:06	
	8831	VBLEDMUS							11:40	
	~~8832~~	L74720-4	26401		V2	15			12:14	
	8833	L74720-3			V				12:42	
	8834	L74720-1			V				1:21	
	~~8835~~	L74720-2			V				1:54	
	8836	L73300-26			V2				2:28	
	~~8837~~	L74973-1			V2				3:01	
	8838	L73982-1	26417				1:16000		3:35	1:500
↓	~~8839~~	L74580-1	26408				1:500		4:09	1:500

COMMENTS:

SJM

02851

NOTEBOOK#: FL-01-126
FL/

INSTRUMENT: MSD-D

PAGE: 9

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time	Run
							Dilution	File #		
8/24	~~8849~~	L74980-3	26435				1:500		4:42	
	8849	L74980-9					1:500		5:16	
	8842	L74968-1					1:50		5:49	
	~~8847~~	L74968-3					1:50		6:23	
	8844	VBK5IMS					1:50		6:57	
	8845	L73300-1	26435	B550 CLP1320			1:50		7:31	
	8846	L73300-2					1:50		8:04	
	8847	L73300-3					1:50		8:38	
	8848	L73300-14					1:50		9:12	
	~~8849~~	L75030-2					1:1000		9:45	
8-24									10:17	
									10:47	
	8852	VBK51					1:50		11:22	
	~~8857~~	L75030-1	26435				1:1000		11:57	
8-25	8854	-3							12:24	
	8855	-5							1:02	
	8856	-7							1:36	
	8857	(w/2)							2:09	
	8858	(w/2)							2:43	
	8859	L75042-1							3:17	1:500
	8860	-3							3:51	1:500
	~~8861~~	-5							4:25	1:1000

COMMENTS:

503

NOTEBOOK#:

FL-01-126
FL/

INSTRUMENT: MSD-D

PAGE: 10

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time	Refr
							Dilution	File #		
8/28	8872	L75042-7	26435	↓			1:1000		4:58	11.003
8/27	8873	-9	↓				↓		5:32	
									10:48	
									11:19	
									11:53	
									12:12	
									1:01	
									1:35	
							1:1000		2:09	
							1:1000		2:33	
							1:1000		3:16	
							1:1000		3:51	
							1:1000		4:24	
							1:1000		4:57	
							1:1000		5:31	
							1:1000		6:04	
							1:1000		6:39	
							1:1000		7:13	
									7:46	
									9:46	
									10:16	
									10:50	

COMMENTS:

SJB

02853

CHAIN OF CUSTODY RECORD

PROJECT NO. 05-000 35842-00
 SAMPERS (PRINT/SIGNATURE) Kevin S. Kearney / Kevin S. Kearney

SITE NAME 153 Fillmore Ave
 LAB Friend
 COOLER 2345 of 5
 PAGE 1 of 1

DELIVERY SERVICE: Courier Service AIRBILL NO.: X

REMARKS

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	BOTTLE TYPE AND PRESERVATIVE	TESTS	REMARKS	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
MW-1	8/8/01	0945	Grab	MW-1	WG	6	12 amber yoc	8270	74279			
MW-2	8/8/01	1010	Grab	MW-2	WG	6	12 amber yoc	8270	-1, -2			
MW-3	8/8/01	1400	Grab	MW-3	WG	6	12 amber yoc	8270	-3, -4			
MW-4	8/8/01	1420	Grab	MW-4	WG	6	12 amber yoc	8270	-5, -6			
MW-4	8/8/01	1420	Grab	MW-4 MS	WG	6	12 amber yoc	8270	-7, -8, -9			
MW-4	8/8/01	1420	Grab	MW-4 MSD	WG	4	12 amber yoc	8270	-10, -11, -12			
MW-5	8/8/01	1250	Grab	MW-5	WG	6	12 amber yoc	8270	-13, -14			
MW-6	8/8/01	1320	Grab	MW-6	WG	6	12 amber yoc	8270	-15, -16			
MW-7	8/8/01	1100	Grab	MW-7	WG	6	12 amber yoc	8270	-17, -18			
MW-8	8/8/01	1130	Grab	MW-8	WG	6	12 amber yoc	8270	-19, -20			

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE	# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY				
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS					
<i>Kevin S. Kearney</i>	8/9/01	0930	<i>[Signature]</i>	8/9/01	0930	Decant liquids only - do not include sediment in analysis.					
<i>[Signature] to courier</i>	8/9/01	1330	<i>[Signature]</i>	8/10/01	1006	Run matrix duplicate (MD) on metals					

Distribution: Original accompanies shipment, copy to coordinator field files

CHAIN OF CUSTODY RECORD

PROJECT NO. 05-00035842-00
 SITE NAME 153 Fillmore Ave
 SAMPLERS (PRINT/SIGNATURE) Kevin J. Kearney / Kevin S. Kearney

DELIVERY SERVICE: Courier Service AIRBILL NO.: X

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX
MW-1	8/7/01	1645	Grab	MW-1	WG
MW-2	8/7/01	1700	Grab	MW-2	WG
MW-3	8/7/01	1500	Grab	MW-3	WG
MW-4	8/7/01	1515	Grab	MW-4	WG
MW-4	8/7/01	1515	Grab	MW-4 MS	WG
MW-4	8/7/01	1515	Grab	MW-4 MSD	WG
MW-5	8/7/01	1600	Grab	MW-5	WG
MW-6	8/7/01	1540	Grab	MW-6	WG
MW-7	8/7/01	1615	Grab	MW-7	WG
MW-8	8/7/01	1630	Grab	MW-8	WG

Trip Blank 8/7/01 Grab TB95-04507-7 WQ 2 2

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WL - LEACHATE	WS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WG - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	M# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) Kevin S. Kearney
 DATE 8/7/01 TIME 0830
 RECEIVED BY (SIGNATURE) [Signature]
 DATE 8/7/01 TIME 1335
 RECEIVED FOR LAB BY (SIGNATURE) [Signature]
 DATE 8/7/01 TIME 1006

Distribution: Original accompanies shipment, copy to coordinator field files

TESTS

8260

BOTTLE TYPE AND PRESERVATIVE

40ml vial Pres Hcl

74279
 -21
 -22
 -23
 -24, -25, -26
 -27
 -28
 -29
 -30
 -31

REMARKS	SAMPLE TYPE	DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (PPIMS ONLY)

Trip Blank

URS

LAB Friend
 COOLER 1 of 5
 PAGE 1 of 1

NOTEBOOK#:

FL-01-083
FL/

INSTRUMENT:

MSD-D

PAGE: 41

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time	Rerun
							Dilution	File #		
8-14	8633			BFB Tune Sm	8260				7:36	
	8634			50mg/Lu					8:08	
	8635			WB					8:40	
	8636			200CS 2001 18 027-268-19					9:13	
	8637	L74057-1	26019		V3	5.5			9:47	
	8638	-9			V1	1.5			10:20	1570
	8639	-12			V1	1.5			10:54	
	8640	L73103-1			V1				11:28	
	8641	-2			V2				12:10	1570
	8642	-3			V2				12:35	
	8643	-4							12:42	
	8644	-5			V2				1:10	
	8645	L73744-18			V2		1:5		2:16	
	8646	-14			V1				2:50	
	8647	-3			V1				3:23	
				Filament broke						
8-15					8160				2:15	
									2:46	
									3:14	
									3:57	
									4:27	
									5:01	

COMMENTS:

01502

1197

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED Dilution File #	Time	Rerun
8-15	~~8667~~	~~6667~~		~~2000198-027-066-9~~				5:35	
	~~8664~~	~~6664~~		WB				6:00	
	~~8665~~	~~6665~~		WB				6:42	
	~~8666~~	~~6666~~		2000198-027-066-9				7:15	
	~~8667~~	~~6667~~	26019	~~2000198-027-066-9~~	V2	1.5		7:54	
	~~8668~~	~~6668~~		~~2000198-027-066-9~~	V1			8:23	
	~~8669~~	~~6669~~		~~2000198-027-066-9~~	V2			8:57	
	~~8670~~	~~6670~~		~~2000198-027-066-9~~	V2			9:30	
	~~8671~~	~~6671~~		~~2000198-027-066-9~~	V2			10:04	1:50
	~~8672~~	~~6672~~		~~2000198-027-066-9~~	V1			10:37	03
	~~8673~~	~~6673~~		~~2000198-027-066-9~~	V1			11:11	
	~~8674~~	~~6674~~		~~2000198-027-066-9~~	V1			11:44	1:20
	~~8675~~	~~6675~~		~~2000198-027-066-9~~	V2		1:10	12:18	
	~~8676~~	~~6676~~		~~2000198-027-066-9~~	V1, V2			12:52	
	~~8677~~	~~6677~~		BATune Eval	8200			1:25	
	~~8678~~	~~6678~~		50ug/L CC				10:17	
	~~8679~~	~~6679~~		Blank 8-14				10:44	
	~~8680~~	~~6680~~		BS 50ug/L CIP Im (98-02)-222-1			1:50	11:18	
	~~8681~~	~~6681~~		BS 50ug/L CIP Im (98-02)-222-1			1:50	11:51	
	~~8682~~	~~6682~~	26249	~~2000198-027-066-9~~			1:50	12:15	
	~~8683~~	~~6683~~		~~2000198-027-066-9~~				12:51	
	~~8684~~	~~6684~~		~~2000198-027-066-9~~				1:33	

COMMENTS:

526

01

11

08

NOTEBOOK#: FL-01-083

INSTRUMENT: MSD-D

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DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time
							Dilution	File #	
4-17	~~87057~~	L74545-6	26244	<del> </del>			1:100		2:50
	8706	-8					↓		3:25
	8707	L74601-1					1:50		3:58
	8708	-3					↓		4:32
	8709	L72035-1		<del> </del>			1:50		5:05
	~~8710~~	-2		↓			↓		5:34
4-17	<del> </del>	<del> </del>		<del> </del>	410				9:58
	<del> </del>	<del> </del>		<del> </del>					10:24
	8713			up					11:23
	8714			20-005 200198027-206-11					11:38
	~~8715~~	L74051-5	26019	<del> </del>	V3	1.8			12:10
	~~8716~~	-6		↓	V2	↓			12:44
	8717	L74221-24		URS	V2	5.5			1:17
	8718	-22		↓	V3	2			1:51
	8719	23		↓	V3	5.5			2:24
	8720	-4		↓	V7	5.5			2:58
	~~8721~~			<del> </del>					3:32
	8722	L74277-27	26019	URS	V1	5.5			4:05
	8723	28		↓	V3	2			4:49
	8724	-29		↓	V3	5.5			5:12
	~~8725~~	L74051-2		<del> </del>	V2	1.5	1:20		5:47
	~~8726~~	-1		↓	V3	5.5	1:50		6:11

Rorun

COMMENTS:

514

01199

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED		Time	Rerun
							Dilution	File #		
8-17	8735	L740514	26019		U3	1.5	1:150		6:55	
	8736	-10			U2		1:150		7:24	
	8737	-4			U3	5.5	1:100		8:03	
	8738								8:37	
	8739								9:00	
8-17	8740				SLUD				9:42	
	8741								10:12	
	8742								10:48	
	8743								11:20	
	8744								11:54	
8-18	8745	L74241-30	26019	20 PCS 2001.98 017-26019	U3		1:1000		12:28	
	8746	L7461-5	26244			5.5	1:1000		1:02	
	8747	-7					1:1000		1:36	
	8748	-4					1:1000		2:07	
	8749	-11					1:1000		2:43	
	8750	-4					1:1000		3:17	
	8751	-15					1:5000		3:50	
	8752	L743857					1:1000		4:24	
	8753	-2					1:1000		4:51	
	8754	L74441-6					1:1000		5:31	
	8755	L74541-2					1:1000		6:04	
	8756	L73718-20	25942				1:1000		6:51	
	8757	L74274-4	26019	WAS	U1	1.5				

COMMENTS:
SJD

NOTEBOOK#: FL-01-126

INSTRUMENT: MSD-D

PAGE: 5

DATE	FILE #	Log-in #	WG #	CUST./DESCR	SITE	pH/residual Cl	SAMPLE REANALYZED Dilution File #	Time	Rerun
8-21					82600			11:39	
								12:40	
								1:14	
								1:47	
								2:24	
								2:58	
								3:32	
								4:00	
								4:40	
								5:15	
								5:48	
								6:24	
								6:54	
								7:24	
								8:02	
								8:35	
								9:09	
								9:42	
								10:15	
								10:44	
								11:23	
								11:50	time

COMMENTS:

510

01201

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBLKC1

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Lab File ID: C5991.D Lab Sample ID: wb

Date Analyzed: 08/09/01 Time Analyzed: 20:20

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-7	L73300-5	C5996.D	23:02
02	SB-9	L73300-6	C5997.D	23:34
03	SB-10	L73300-9	C5998.D	00:07
04	VBLKC1MS	BS	C5999.D	00:39
05	SB-9 MS	L73300-7, -6MS	C6000.D	01:11
06	SB-9 MSD	L73300-8, -6MSD	C6001.D	01:43

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKC1

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: wb

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C5991.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/09/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	4	J
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBLKC2

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Lab File ID: C6060.D Lab Sample ID: wb

Date Analyzed: 08/15/01 Time Analyzed: 12:57

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SS-9 RE	L73300-19	C6069.D	18:08
02	SS-12	L73300-24	C6070.D	18:41
03	SS-3 RE	L73300-13	C6071.D	19:13
04	SS-7 RE	73300-17	C6072.D	19:46
05	SS-2	L73300-12	C6073.D	20:18
06	SS-13	L73300-25	C6074.D	20:50
07	SS-11	L73300-21	C6075.D	21:23
08	VBLKC2MS	BS 50 UG/L CLP	C6076.D	21:55
09	SS-11 MS	L73300-22, -21MS	C6077.D	22:27
10	SS-11 MSD	L73300-23, -21MSD	C6078.D	22:59

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKC2

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: wb

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8060.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/15/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	24	
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	13	
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBKLC3

Lab Name: FRIEND LABORATORY, INC. Contract: _____
Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
Lab File ID: C6102.D Lab Sample ID: wb
Date Analyzed: 08/17/01 Time Analyzed: 15:37
GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y
Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SS-1	L73300-11	C6106.D	17:47
02	SS-5	L73300-15	C6107.D	18:20
03	SS-6	L73300-16	C6108.D	18:52
04	SS-8	L73300-18	C6109.D	19:24
05	SS-10 RE	L73300-20	C6110.D	19:57
06	VBKLC3MS	BS 20 QCS	C6113.D	21:33

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKC3

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: wb

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C6102.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/17/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	5	J
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	J
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	4	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	3 25	U 5
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	8	J
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

ear 2/18/02

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBLKC4

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Lab File ID: C6155.D Lab Sample ID: wb

Date Analyzed: 08/27/01 Time Analyzed: 15:20

GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-7 RE	L73300-5	C6156.D	16:18
02	SB-10 RE	L73300-9	C6157.D	16:50
03	SS-10	L73300-20	C6159.D	17:55
04	SS-8 RE	L73300-18	C6160.D	18:28
05	SS-6 RE	L73300-16	C6161.D	19:00
06	SS-1 RE	L73300-11	C6162.D	19:32
07	SS-13 RE	L73300-25	C6163.D	20:05
08	SS-2 RE	L73300-12	C6164.D	20:37
09	SS-12 RE	L73300-24	C6165.D	21:09
10	SS-9	L73300-19	C6166.D	21:41
11	VBLKC4MS	BS 50UG/L CLP	C6167.D	22:13

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.:

VBLKC4

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: wb

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C6155.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/27/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	2 ~~5~~	~~U~~ <i>ear 2/8/02</i>
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBKLC5

Lab Name: FRIEND LABORATORY, INC. Contract: _____
Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
Lab File ID: C6170.D Lab Sample ID: wb
Date Analyzed: 08/28/01 Time Analyzed: 15:09
GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y
Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SS-3	L73300-13	C6182.D	22:05
02	SS-7	L73300-17	C6183.D	22:37
03	VBKLC5MS	BS 50 UG/L CLP	C6184.D	23:09

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBKLC5

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: wb

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C6170.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/28/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	3	J
156-80-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBKLD1

Lab Name: FRIEND LABORATORY, INC. Contract: _____
Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
Lab File ID: D8830.D Lab Sample ID: WB
Date Analyzed: 08/24/01 Time Analyzed: 11:06
GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: MSD-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBKLD1MS	20 QCS	D8831.D	11:40
02	RB-2	L73300-26	D8836.D	14:28
03	VBKLS1MS	BS 50 CLP 1:50	D8844.D	18:57
04	MW-5	L73300-1, 1:50	D8845.D	19:31
05	SB-6	L73300-2, 1:50	D8846.D	20:04
06	SB-8	L73300-3, 50	D8847.D	20:38
07	SS-4	L73300-14, 1:50	D8848.D	21:12

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKD1

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: WB

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: D8830.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/24/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-80-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-86-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

4A
VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBKLD2

Lab Name: FRIEND LABORATORY, INC. Contract: _____
Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
Lab File ID: D8866.D Lab Sample ID: WB
Date Analyzed: 08/27/01 Time Analyzed: 11:53
GC Column: RTX-624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: MSD-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	RB-1	L73300-10	D8868.D	13:01
02	VBKLD2MS	25 CLP CHK	D8880.D	19:46

COMMENTS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKD2

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

Matrix: (soil/water) WATER Lab Sample ID: WB

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: D8866.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/27/01

GC Column: RTX-624 ID: 0.53 (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

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

Calibration Table Report
 Method: 08-15826.M
 Title:
 Last Calibration: Thu Aug 16 09:16:08 2001

Calibration Files

Compound								Avg	%RSD
	1	5	10	20	50	100	200		
	D0656.D	D0657.D	D0658.D	D0659.D	D0660.D	D0661.D	D0662.D		
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane		0.567	0.639	0.620	0.607	0.607	0.539	0.597	6.189
Chloromethane	0.173	0.261	0.231	0.226	0.229	0.237	0.215	0.225	11.878
Vinyl chloride		0.243	0.282	0.279	0.278	0.291	0.260	0.272	6.442
Bromomethane		0.273	0.256	0.277	0.253	0.286	0.245	0.265	5.977
Chloroethane	0.129	0.177	0.175	0.175	0.168	0.180	0.163	0.167	10.509
Trichlorofluoromethane		0.744	0.720	0.700	0.678	0.681	0.608	0.689	6.730
Acrolein		0.016	0.019	0.017	0.017	0.018	0.015	0.017	8.200
1,1,2-Trichloro-1,2,2-trifluoroethane		0.614	0.617	0.573	0.564	0.577	0.521	0.578	6.124
1,1-Dichloroethene		0.314	0.292	0.275	0.273	0.281	0.258	0.282	6.789
Iodomethane	0.606	0.800	0.790	0.827	0.769	0.838	0.702	0.762	10.758
Acetone		0.055	0.056	0.049	0.042	0.048	0.041	0.048	13.258
Carbon disulfide	0.516	0.804	0.784	0.774	0.761	0.775	0.698	0.730	13.716
Allyl chloride	0.120	0.100	0.152	0.145	0.144	0.149	0.137	0.135	13.861
Methylene chloride	0.373	0.338	0.308	0.304	0.295	0.309	0.277	0.315	9.947
MTBE(Methyl tert-butyl ether)	0.869	0.780	0.788	0.777	0.721	0.742	0.639	0.760	9.311
trans-1,2-Dichloroethene	0.230	0.354	0.325	0.321	0.314	0.321	0.297	0.309	12.489
Acrylonitrile	0.038	0.045	0.039	0.047	0.043	0.048	0.042	0.043	8.780
1,1-Dichloroethane	0.510	0.657	0.653	0.637	0.615	0.628	0.562	0.609	8.837
Vinyl acetate	0.644	0.605	0.591	0.600	0.560	0.604	0.517	0.589	6.834
1,2-Dichloropropane	0.429	0.643	0.621	0.589	0.567	0.559	0.496	0.558	13.219
cis-1,2-Dichloroethene	0.252	0.351	0.323	0.322	0.313	0.323	0.295	0.311	9.900
MEK(2-Butanone)		0.092	0.072	0.086	0.078	0.082	0.071	0.080	10.118
Bromochloromethane	0.188	0.225	0.207	0.218	0.210	0.220	0.196	0.209	6.330
Chloroform	0.582	0.743	0.719	0.697	0.655	0.669	0.604	0.667	8.784
1,1,1-Trichloroethane	0.404	0.615	0.616	0.601	0.578	0.591	0.537	0.563	13.329
Difluoromethane	0.630	0.607	0.604	0.614	0.612	0.598	0.577	0.606	2.661
Carbon tetrachloride		0.531	0.539	0.524	0.503	0.512	0.463	0.512	5.263
1,1-Dichloropropene	0.346	0.512	0.480	0.477	0.453	0.454	0.403	0.446	12.370
Benzene	0.869	1.044	0.972	0.908	0.852	0.947	0.853	0.921	7.783
1,2-Dichloroethane	0.418	0.467	0.478	0.463	0.436	0.457	0.397	0.445	6.623
1,4-Difluorobenzene	ISTD								
Trichloroethene	0.255	0.386	0.383	0.364	0.342	0.350	0.322	0.343	13.101
1,2-Dichloropropane	0.302	0.350	0.359	0.333	0.319	0.329	0.294	0.327	7.284
Dibromomethane	0.298	0.302	0.303	0.309	0.288	0.303	0.258	0.294	5.834
Bromodichloromethane	0.595	0.691	0.661	0.651	0.605	0.628	0.558	0.627	7.159
1-Chloroethylvinylether	0.163	0.159	0.163	0.172	0.158	0.170	0.143	0.161	5.977
cis-1,3-Dichloropropene	0.474	0.556	0.550	0.538	0.512	0.531	0.471	0.519	6.692
Chlorobenzene-d5	ISTD								
IBK(4-Methyl-2-pentanone)	0.279	0.218	0.243	0.250	0.246	0.260	0.219	0.245	8.900
Toluene-d8	1.102	1.101	1.118	1.131	1.122	1.113	1.117	1.115	0.951
Toluene	0.873	1.134	1.12	1.085	1.027	1.048	0.955	1.03443	9.02205
trans-1,3-Dichloropropene	0.502	0.534	0.554	0.544	0.518	0.556	0.49	0.52841	4.82237
1,1,2-Trichloroethane	0.323	0.328	0.339	0.345	0.316	0.335	0.297	0.32628	4.97745
DB(1,2-Dibromoethane)	0.453	0.461	0.467	0.483	0.444	0.482	0.417	0.45824	4.99882
Tetrachloroethene	0.249	0.351	0.323	0.317	0.296	0.301	0.278	0.30204	10.8985
1,3-Dichloropropane	0.55	0.58	0.585	0.589	0.546	0.569	0.5	0.56007	5.53948
n-Hexanone	0.204	0.163	0.164	0.173	0.16	0.164	0.14	0.16678	11.5175
Dibromochloromethane	0.518	0.577	0.593	0.591	0.571	0.602	0.54	0.57025	5.36271
Chlorobenzene	0.637	0.763	0.749	0.717	0.691	0.732	0.685	0.71055	6.05997
1,1,1,2-Tetrachloroethane	0.354	0.439	0.424	0.413	0.395	0.408	0.377	0.40139	7.17912
Ethylbenzene	0.265	0.341	0.348	0.331	0.315	0.323	0.3	0.31774	8.91532
m-Xylene/m-Xylene	0.291	0.415	0.413	0.41	0.387	0.403	0.376	0.38508	11.3505
p-Xylene	0.313	0.435	0.415	0.422	0.391	0.411	0.385	0.39586	10.2425
styrene	0.744	0.766	0.718	0.703	0.665	0.692	0.636	0.70322	6.3419
form	0.304	0.343	0.347	0.371	0.357	0.381	0.337	0.34866	7.19575
pylbenzene	0.746	1.02	1.024	1.019	0.955	0.967	0.888	0.94551	10.6644
1,4-Dichlorobenzene-d4	ISTD								

00235

Method : C:\HPCHEM\MSD-D8~2\METHODS\08-15826.M (Chemstation Integrator)
 Title :
 Last Update : Thu Aug 16 09:16:08 2001
 Response via : Initial Calibration

Calibration Files

1 =D8656 5 =D8657 10 =D8658 20 =D8659 50 =D8660
 100 =D8661 200 =D8662

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	Pentafluorobenzene			ISTD		
2)	Dichlorodifluorometh	Avg	-----	0.5966	-----	0.0619
3)	Chloromethane	Avg	-----	0.2246	-----	0.1188
4) c	Vinyl chloride	Avg	-----	0.2721	-----	0.0644
5)	Bromomethane	Avg	-----	0.2651	-----	0.0598
6)	Chloroethane	Avg	-----	0.1668	-----	0.1051
7)	Trichlorofluorometha	Avg	-----	0.6886	-----	0.0673
8)	Acrolein	Avg	-----	0.0172	-----	0.0820
9)	1,1,2-Trichloro-1,2,	Avg	-----	0.5776	-----	0.0612
10) Mc	1,1-Dichloroethene	Avg	-----	0.2824	-----	0.0679
11)	Iodomethane	Avg	-----	0.7617	-----	0.1076
12)	Acetone	Avg	-----	0.0485	-----	0.1326
13)	Carbon disulfide	Avg	-----	0.7303	-----	0.1372
14)	Allyl chloride	Avg	-----	0.1353	-----	0.1386
15)	Methylene chloride	Avg	-----	0.3148	-----	0.0995
16) m	MTBE(Methyl tert-but	Avg	-----	0.7595	-----	0.0931
17)	trans-1,2-Dichloroet	Avg	-----	0.3092	-----	0.1249
18)	Acrylonitrile	Avg	-----	0.0429	-----	0.0878
19) p	1,1-Dichloroethane	Avg	-----	0.6092	-----	0.0884
20)	Vinyl acetate	Avg	-----	0.5887	-----	0.0683
21)	2,2-Dichloropropane	Avg	-----	0.5578	-----	0.1322
22)	cis-1,2-Dichloroethe	Avg	-----	0.3114	-----	0.0990
23)	MEK(2-Butanone)	Avg	-----	0.0801	-----	0.1012
24)	Bromochloromethane	Avg	-----	0.2093	-----	0.0633
25) c	Chloroform	Avg	-----	0.6670	-----	0.0878
26)	1,1,1-Trichloroethan	Avg	-----	0.5631	-----	0.1333
27) S	Dibromofluoromethane	Avg	-----	0.6061	-----	0.0266
28)	Carbon tetrachloride	Avg	-----	0.5121	-----	0.0526
29)	1,1-Dichloropropene	Avg	-----	0.4464	-----	0.1237
30) M	Benzene	Avg	-----	0.9208	-----	0.0778
31)	1,2-Dichloroethane	Avg	-----	0.4452	-----	0.0662
32)	1,4-Difluorobenzene			ISTD		
33) M	Trichloroethene	Avg	-----	0.3431	-----	0.1310
34) c	1,2-Dichloropropane	Avg	-----	0.3267	-----	0.0728
35)	Dibromomethane	Avg	-----	0.2945	-----	0.0583
36)	Bromodichloromethane	Avg	-----	0.6270	-----	0.0716
37)	2-Chloroethylvinylet	Avg	-----	0.1611	-----	0.0598
38)	cis-1,3-Dichloroprop	Avg	-----	0.5189	-----	0.0669
39)	Chlorobenzene-d5			ISTD		
40)	MIBK(4-Methyl-2-pent	Avg	-----	0.2449	-----	0.0890
41) S	Toluene-d8	Avg	-----	1.1147	-----	0.0095
42) Mc	Toluene	Avg	-----	1.0344	-----	0.0902
43)	trans-1,3-Dichloropr	Avg	-----	0.5284	-----	0.0482
44)	1,1,2-Trichloroethan	Avg	-----	0.3263	-----	0.0498
45)	EDB(1,2-Dibromoethan	Avg	-----	0.4582	-----	0.0500
46)	Tetrachloroethene	Avg	-----	0.3020	-----	0.1090
47)	1,3-Dichloropropane	Avg	-----	0.5601	-----	0.0554

Calibration Table Report
 Method: 08-21826.M
 Title:
 Last Calibration: Wed Aug 22 11:41:49 2001

Calibration Files

Compound	1 D0753.D	5 D0754.D	10 D0755.D	20 D0756.D	50 D0757.D	100 D0758.D	200 D0759.D	Avg	%RSD
Pentafluorobenzene	ISTD								
Chlorodifluoromethane	0.588	0.622	0.597	0.622	0.615	0.614	0.520	0.597	6.052
Chloromethane		0.274	0.261	0.246	0.243	0.235	0.198	0.243	10.649
Methyl chloride	0.307	0.285	0.268	0.273	0.279	0.284	0.239	0.276	7.423
Bromomethane	0.207	0.271	0.255	0.274	0.285	0.273	0.238	0.258	10.527
Chloroethane	0.194	0.182	0.169	0.172	0.174	0.171	0.150	0.173	7.686
Dichlorofluoromethane	0.796	0.765	0.728	0.755	0.737	0.721	0.637	0.734	6.798
Protein		0.017	0.014	0.014	0.013	0.013	0.012	0.014	12.750
1,2-Trichloro-1,2,2-trifluoroethane	0.448	0.389	0.378	0.381	0.366	0.363	0.328	0.379	9.552
1-Dichloroethene		0.314	0.293	0.292	0.283	0.278	0.254	0.286	6.887
Dimethane	0.779	0.785	0.774	0.800	0.823	0.791	0.663	0.774	6.637
Ethene		0.055	0.045	0.045	0.039	0.041	0.037	0.044	14.869
Carbon disulfide	0.926	0.806	0.746	0.748	0.734	0.720	0.654	0.762	11.156
Methyl chloride	0.180	0.146	0.144	0.137	0.139	0.137	0.127	0.144	11.607
Ethylene chloride		0.323	0.310	0.304	0.293	0.287	0.266	0.297	6.652
BE(Methyl tert-butyl ether)	0.936	0.746	0.697	0.709	0.685	0.682	0.614	0.724	14.015
trans-1,2-Dichloroethene	0.338	0.337	0.324	0.328	0.321	0.313	0.287	0.321	5.423
Acrylonitrile		0.041	0.036	0.038	0.038	0.036	0.036	0.038	4.941
1-Dichloroethane	0.756	0.642	0.613	0.613	0.598	0.585	0.526	0.619	11.339
Methyl acetate	0.549	0.555	0.525	0.520	0.503	0.499	0.453	0.515	6.724
2-Dichloropropane	0.729	0.629	0.577	0.575	0.560	0.543	0.483	0.585	13.140
trans-1,2-Dichloroethene	0.356	0.347	0.316	0.323	0.314	0.304	0.280	0.320	8.050
MEK(2-Butanone)		0.082	0.073	0.069	0.061	0.063	0.058	0.068	13.188
Chloromethylmethane	0.215	0.208	0.211	0.212	0.209	0.207	0.189	0.207	4.179
Formaldehyde	0.770	0.739	0.698	0.702	0.670	0.649	0.579	0.687	9.089
trans-1,2-Dichloroethane	0.669	0.625	0.617	0.612	0.604	0.601	0.537	0.609	6.426
Bromofluoromethane	0.650	0.644	0.612	0.623	0.626	0.610	0.571	0.620	4.177
Carbon tetrachloride	0.550	0.543	0.536	0.551	0.519	0.516	0.491	0.530	4.141
1-Dichloropropene	0.593	0.509	0.484	0.484	0.418	0.408	0.399	0.471	14.679
Hexene	1.134	1.019	0.967	0.953	0.917	0.882	0.807	0.954	10.915
2-Dichloroethane	0.463	0.461	0.451	0.461	0.450	0.446	0.397	0.447	5.136
1,4-Difluorobenzene	ISTD								
1-Chloroethene	0.378	0.367	0.367	0.357	0.346	0.339	0.318	0.353	5.817
2-Dichloropropane	0.360	0.336	0.332	0.319	0.304	0.297	0.270	0.317	9.305
Bromomethane	0.289	0.286	0.289	0.289	0.276	0.274	0.251	0.279	4.932
trans-1,2-Dichloroethane	0.657	0.664	0.653	0.650	0.630	0.613	0.551	0.631	6.267
Chloroethylvinylether	0.188	0.167	0.162	0.165	0.161	0.163	0.151	0.165	6.795
trans-1,3-Dichloropropene	0.553	0.524	0.509	0.517	0.491	0.484	0.447	0.504	6.728
1,4-Dichlorobenzene-d5	ISTD								
MEK(4-Methyl-2-pentanone)	0.239	0.204	0.178	0.201	0.199	0.203	0.190	0.202	9.228
1,4-Dichlorobenzene-d8	1.109	1.092	1.086	1.078	1.073	1.068	1.069	1.082	1.370
1,4-Dichlorobenzene	1.044	1.049	1.029	1.025	0.963	0.954	0.893	0.99384	5.87312
trans-1,3-Dichloropropene	0.509	0.484	0.484	0.505	0.477	0.484	0.453	0.48524	3.83366
1,2-Trichloroethane	0.328	0.322	0.309	0.309	0.293	0.298	0.28	0.30551	5.49837
trans-1,2-Dibromoethane	0.435	0.448	0.43	0.428	0.416	0.417	0.392	0.42395	4.16007
trans-1,2-Dichloroethene	0.349	0.311	0.305	0.295	0.285	0.28	0.267	0.29888	8.98246
3-Dichloropropane	0.581	0.507	0.512	0.512	0.492	0.491	0.459	0.50767	7.33583
Hexanone	0.16	0.131	0.132	0.131	0.123	0.13	0.124	0.13294	9.49981
Bromochloromethane	0.513	0.512	0.537	0.542	0.538	0.553	0.527	0.53185	2.8356
1,4-Dichlorobenzene	0.753	0.708	0.721	0.712	0.695	0.696	0.666	0.70745	3.80315
1,1,2-Tetrachloroethane	0.421	0.419	0.403	0.401	0.391	0.393	0.372	0.39979	4.24419
1,4-Dichlorobenzene	0.318	0.325	0.325	0.314	0.299	0.298	0.283	0.30877	5.11722
Xylene/m-Xylene	0.434	0.406	0.397	0.392	0.37	0.37	0.358	0.38953	6.6306
Xylene	0.436	0.409	0.408	0.401	0.389	0.391	0.369	0.40022	5.19809
Hexene	0.836	0.71	0.69	0.687	0.647	0.653	0.614	0.69106	10.335
Formaldehyde	0.299	0.278	0.295	0.309	0.316	0.335	0.323	0.30781	6.17406
Isopropylbenzene	1.014	0.955	0.967	0.956	0.922	0.929	0.866	0.94415	4.82176
1,4-Dichlorobenzene-d4	ISTD								

00240

Method : C:\HPCHEM\MSD-D8-2\METHODS\08-21826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Aug 22 11:41:49 2001
 Response via : Initial Calibration

Calibration Files

1 =D8753 5 =D8754 10 =D8755 20 =D8756 50 =D8757
 100 =D8758 200 =D8759

Compound		Fit	Constant	Linear	Quad	RSD/Cf

1)	Pentafluorobenzene		-----ISTD-----			
2)	Dichlorodifluorometh	Avg	-----	0.5969	-----	0.0605
3) m	Chloromethane	Avg	-----	0.2430	-----	0.1065
4) cm	Vinyl chloride	Avg	-----	0.2765	-----	0.0742
5) m	Bromomethane	Avg	-----	0.2577	-----	0.1053
6) m	Chloroethane	Avg	-----	0.1732	-----	0.0769
7) m	Trichlorofluorometha	Avg	-----	0.7342	-----	0.0680
8) m	Acrolein	Avg	-----	0.0139	-----	0.1275
9)	1,1,2-Trichloro-1,2,	Avg	-----	0.3788	-----	0.0955
10) Mc	1,1-Dichloroethene	Avg	-----	0.2858	-----	0.0689
11)	Iodomethane	Avg	-----	0.7736	-----	0.0664
12)	Acetone	Avg	-----	0.0438	-----	0.1487
13)	Carbon disulfide	Avg	-----	0.7620	-----	0.1116
14)	Allyl chloride	Avg	-----	0.1444	-----	0.1161
15) m	Methylene chloride	Avg	-----	0.2973	-----	0.0665
16) m	MTBE(Methyl tert-but	Avg	-----	0.7241	-----	0.1401
17) m	trans-1,2-Dichloroet	Avg	-----	0.3212	-----	0.0542
18) m	Acrylonitrile	Avg	-----	0.0375	-----	0.0494
19) pm	1,1-Dichloroethane	Avg	-----	0.6187	-----	0.1134
20)	Vinyl acetate	Avg	-----	0.5148	-----	0.0672
21)	2,2-Dichloropropane	Avg	-----	0.5851	-----	0.1314
22) m	cis-1,2-Dichloroethe	Avg	-----	0.3201	-----	0.0805
23)	MEK(2-Butanone)	Avg	-----	0.0675	-----	0.1319
24)	Bromochloromethane	Avg	-----	0.2072	-----	0.0418
25) cm	Chloroform	Avg	-----	0.6867	-----	0.0909
26) m	1,1,1-Trichloroethan	Avg	-----	0.6094	-----	0.0643
27) S	Dibromofluoromethane	Avg	-----	0.6196	-----	0.0418
28) m	Carbon tetrachloride	Avg	-----	0.5295	-----	0.0414
29)	1,1-Dichloropropene	Avg	-----	0.4706	-----	0.1468
30) M	Benzene	Avg	-----	0.9541	-----	0.1091
31) m	1,2-Dichloroethane	Avg	-----	0.4472	-----	0.0514

32)	1,4-Difluorobenzene		-----ISTD-----			
33) M	Trichloroethene	Avg	-----	0.3531	-----	0.0582
34) cm	1,2-Dichloropropane	Avg	-----	0.3167	-----	0.0930
35)	Dibromomethane	Avg	-----	0.2791	-----	0.0493
36) m	Bromodichloromethane	Avg	-----	0.6311	-----	0.0627
37) m	2-Chloroethylvinylet	Avg	-----	0.1651	-----	0.0679
38) m	cis-1,3-Dichloroprop	Avg	-----	0.5036	-----	0.0673

39)	Chlorobenzene-d5		-----ISTD-----			
40)	MIBK(4-Methyl-2-pent	Avg	-----	0.2019	-----	0.0923
41) S	Toluene-d8	Avg	-----	1.0822	-----	0.0137
42) Mc	Toluene	Avg	-----	0.9938	-----	0.0587
43) m	trans-1,3-Dichloropr	Avg	-----	0.4852	-----	0.0383
44) m	1,1,2-Trichloroethan	Avg	-----	0.3055	-----	0.0550
45)	EDB(1,2-Dibromoethan	Avg	-----	0.4239	-----	0.0416
46) m	Tetrachloroethene	Avg	-----	0.2989	-----	0.0898
47)	1,3-Dichloropropane	Avg	-----	0.5077	-----	0.0734

Calibration Table Report
Method: 08-0688.M
Title:
Last Calibration: Fri Aug 10 10:34:29 2001

ibration Files

Compound								Avg	±RSD
	1	5	10	20	50	100	200		
	C5983.D	C5984.D	C5985.D	C5986.D	C5987.D	C5988.D	C5989.D		
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane		0.482	0.571	0.542	0.478	0.506		0.516	7.726
Chloromethane	0.151	0.169		0.220	0.170	0.189		0.180	14.541
Vinyl chloride	0.227	0.217	0.223	0.267	0.242	0.262		0.240	8.679
Bromomethane		0.236	0.175	0.224	0.196	0.183	0.244	0.210	13.990
Chloroethane		0.093	0.120	0.106	0.082	0.094		0.099	14.740
Trichlorofluoromethane	0.780	0.712	0.566	0.828	0.688		0.847	0.737	14.159
Acrolein		0.013		0.027	0.029		0.023	0.023	29.591
1,1,2-Trichloro-1,2,2-trifluoroethane	0.745	0.655		0.796	0.674	0.720		0.718	7.892
1,1-Dichloroethene	0.318	0.285		0.344	0.291	0.312	0.313	0.311	6.798
Iodomethane		0.449	0.723	0.809	0.664	0.733		0.676	20.223
Acetone		0.053	0.032	0.036	0.028	0.029		0.036	28.535
Carbon disulfide	0.763	0.677		0.843	0.706	0.740		0.746	3.539
Allyl chloride	0.158	0.138		0.166	0.129	0.141	0.178	0.152	12.403
Methylene chloride		0.303	0.253	0.353	0.284	0.310		0.301	12.199
MTBE (Methyl tert-butyl ether)	1.466	0.837		0.934	0.745	0.881		0.973	29.244
trans-1,2-Dichloroethene	0.385	0.329		0.392	0.327	0.377		0.362	8.726
Acrylonitrile		0.052	0.023	0.039	0.041	0.060	0.064	0.047	32.349
1,1-Dichloroethane	0.536	0.500		0.640	0.551	0.607	0.520	0.559	9.595
Vinyl acetate	0.501	0.412		0.509	0.418	0.465		0.461	9.786
Acetonitrile		0.103		0.032	0.041		0.049	0.056	56.566
2,2-Dichloropropane	0.707	0.533		0.580	0.500	0.529		0.570	14.419
cis-1,2-Dichloroethene	0.406	0.349		0.404	0.368	0.392	0.315	0.372	9.634
MEK (2-Butanone)		0.200		0.194	0.183	0.229	0.247	0.211	12.690
Bromochloromethane	0.233	0.240		0.284	0.258	0.271	0.298	0.264	9.503
Chloroform	0.699	0.651		0.799	0.709	0.764		0.724	7.970
propene	0.494	0.391		0.463	0.409	0.452		0.442	9.425
1,1-Trichloroethane	0.827	0.678		0.801	0.707	0.755		0.754	8.269
Dibromofluoromethane	0.643	0.665		0.649	0.651	0.685	0.634	0.655	2.753
Carbon tetrachloride		1.659	0.788	1.029	0.817	0.822		1.023	36.015
1,1-Dichloropropene		0.590	0.600		0.596	0.599	0.490	0.575	3.246
Benzene	0.931	0.849		1.024	0.922	0.987	0.968	0.947	6.400
1,2-Dichloroethane	0.341	0.356		0.433	0.387	0.417		0.387	10.083
Isobutyl alcohol				0.020	0.023	0.028	0.045	0.029	37.919
Propionitrile		0.031		0.026	0.029	0.036		0.030	13.750
1,4-Difluorobenzene	ISTD								
Methacrylonitrile	0.175	0.125		0.131	0.138	0.160		0.146	14.327
Trichloroethene		0.410		0.503	0.459	0.465	0.461	0.460	7.210
1,2-Dichloropropane	0.334	0.309		0.379	0.344	0.346	0.417	0.355	10.696
Dibromomethane	0.429	0.392		0.450	0.410	0.420	0.387	0.415	5.688
Bromodichloromethane	0.637	0.608		0.766	0.697	0.706	0.739	0.692	2.698
2-Chloroethylvinylether	0.182	0.177		0.161	0.155	0.153		0.1657	7.8105
cis-1,3-Dichloropropene	0.55	0.524		0.628	0.57	0.572		0.5687	6.7498
Methyl methacrylate	0.409	0.257		0.342	0.334	0.344		0.3372	15.988
Chlorobenzene-d5	ISTD								
MIBK (4-Methyl-2-pentanone)	0.773	0.443		0.491	0.5		0.527	0.5466	23.791
Toluene-d8	1.075	1.064	0.988	1.08	1.064	1.057		1.0548	3.2066
Toluene	0.715	0.642	0.614	0.807	0.712	0.72	0.595	0.6865	10.772
trans-1,3-Dichloropropene	0.667	0.566		0.665	0.599	0.631	0.515	0.6073	9.8263
1,1,2-Trichloroethane	0.499	0.364		0.435	0.396	0.415	0.333	0.4071	14.255
EDB (1,2-Dibromoethane)	0.742	0.696		0.839	0.767	0.813	0.667	0.7539	8.7789
Tetrachloroethene	0.648	0.51		0.591	0.516	0.519		0.5569	10.905
1,3-Dichloropropane	0.681	0.661		0.754	0.678	0.716	0.606	0.6826	7.351
2-Hexanone	0.42	0.322		0.36	0.384	0.446	0.438	0.3948	12.291
Dibromochloromethane	0.834	0.814		0.992	0.894	0.947	0.837	0.8863	2.0391
Ethyl methacrylate	0.517	0.51		0.648	0.606	0.62	0.554	0.5759	9.9748
Chlorobenzene	1.016	0.899	0.903	1.143	1.014	1.02	0.985	0.9973	8.2934
1,2-Tetrachloroethane	0.828	0.57		0.678	0.606	0.624		0.6614	15.297
ylbenzene	1.728	1.424	1.467	1.727	1.541	1.506	1.444	1.5482	8.2975
p-Xylene/m-Xylene	0.589	0.537	0.664	0.654	0.583	0.572	0.583	0.5976	7.5724
o-Xylene	0.552	0.523	0.645	0.642	0.574	0.56	0.593	0.584	7.8235

00780

Method : C:\HPCHEM\1\METHODS\08-0688.M (Chemstation Integrator)
 Title :
 Last Update : Fri Aug 10 10:34:29 2001
 Response via : Initial Calibration

Calibration Files

1 =C5983 5 =C5984 10 =C5985 20 =C5986 50 =C5987
 100 =C5988 200 =C5989

Compound		Fit	Constant	Linear	Quad	RSD/Cf

1)	Pentafluorobenzene			ISTD		
2)	Dichlorodifluorometh	Avg	-----	0.5156	-----	0.0773
3) p	Chloromethane	Avg	-----	0.1798	-----	0.1454
4) c	Vinyl chloride	Avg	-----	0.2396	-----	0.0868
5)	Bromomethane	Avg	-----	0.2098	-----	0.1399
6)	Chloroethane	Avg	-----	0.0991	-----	0.1474
7)	Trichlorofluorometha	LinF	-----	0.8366	-----	0.9978
8)	Acrolein	LinF	-----	0.0233	-----	0.9948
9)	1,1,2-Trichloro-1,2,	Avg	-----	0.7180	-----	0.0789
10) Mc	1,1-Dichloroethene	Avg	-----	0.3107	-----	0.0680
11)	Iodomethane	LinF	-----	0.7218	-----	0.9958
12)	Acetone	LinF	-----	0.0291	-----	0.9966
13)	Carbon disulfide	Avg	-----	0.7458	-----	0.0854
14)	Allyl chloride	Avg	-----	0.1517	-----	0.1240
15)	Methylene chloride	Avg	-----	0.3008	-----	0.1220
16)	MTBE(Methyl tert-but	LinF	-----	0.8562	-----	0.9922
17)	trans-1,2-Dichloroet	Avg	-----	0.3621	-----	0.0873
18)	Acrylonitrile	LinF	-----	0.0617	-----	0.9939
19) p	1,1-Dichloroethane	Avg	-----	0.5590	-----	0.0960
20)	Vinyl acetate	Avg	-----	0.4611	-----	0.0979
21)	Acetonitrile	LinF	-----	0.0487	-----	0.9949
22)	2,2-Dichloropropane	Avg	-----	0.5697	-----	0.1442
23)	cis-1,2-Dichloroethe	Avg	-----	0.3725	-----	0.0963
24)	MEK(2-Butanone)	Avg	-----	0.2106	-----	0.1269
25)	Bromochloromethane	Avg	-----	0.2642	-----	0.0950
26) c	Chloroform	Avg	-----	0.7243	-----	0.0797
27)	Chloroprene	Avg	-----	0.4419	-----	0.0942
28)	1,1,1-Trichloroethan	Avg	-----	0.7535	-----	0.0827
29) S	Dibromofluoromethane	Avg	-----	0.6546	-----	0.0275
30)	Carbon tetrachloride	LinF	-----	0.8284	-----	0.9958
31)	1,1-Dichloropropene	Avg	-----	0.5750	-----	0.0825
32) M	Benzene	Avg	-----	0.9469	-----	0.0640
33)	1,2-Dichloroethane	Avg	-----	0.3868	-----	0.1008
34)	Isobutyl alcohol	LinF	-----	0.0405	-----	0.9710
35)	Propionitrile	Avg	-----	0.0305	-----	0.1375

36)	1,4-Difluorobenzene			ISTD		
37)	Methacrylonitrile	Avg	-----	0.1457	-----	0.1433
38) M	Trichloroethene	Avg	-----	0.4595	-----	0.0721
39) c	1,2-Dichloropropane	Avg	-----	0.3549	-----	0.1070
40)	Dibromomethane	Avg	-----	0.4147	-----	0.0569
41)	Bromodichloromethane	Avg	-----	0.6922	-----	0.0870
42)	2-Chloroethylvinylet	Avg	-----	0.1657	-----	0.0781
43)	cis-1,3-Dichloroprop	Avg	-----	0.5687	-----	0.0675
44)	Methyl methacrylate	LinF	-----	0.3420	-----	0.9996

45)	Chlorobenzene-d5			ISTD		
46)	MIBK(4-Methyl-2-pent	LinF	-----	0.5252	-----	0.9998
47) S	Toluene-d8	Avg	-----	1.0548	-----	0.0321

00782

Calibration Table Report

Method: 08-1468.M

Title:

Last Calibration: Wed Aug 15 14:31:50 2001

Calibration Files

Compound	1 C6049.D	5 C6050.D	10 C6051.D	20 C6052.D	50 C6053.D	100 C6054.D	200 C6055.D	Avg	±RSD
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane		0.382	0.321	0.401	0.356	0.387		0.369	8.489
Chloromethane		0.688	0.476	0.640	0.449		0.556	0.562	18.266
Vinyl chloride	0.396	0.326	0.324	0.403	0.388	0.408	0.473	0.388	13.303
Bromomethane		0.292	0.237	0.251	0.179	0.182	0.199	0.223	19.962
Chloroethane	0.172	0.143	0.130	0.160	0.153	0.156	0.158	0.153	8.763
Trichlorofluoromethane	0.796	0.643	0.618	0.772	0.667	0.598	0.631	0.675	11.527
Acrolein		0.050	0.039	0.038	0.035	0.040		0.041	13.914
1,1,2-Trichloro-1,2,2-trifluoroethane	0.934	0.667	0.685	0.853	0.793	0.803		0.789	12.823
1,1-Dichloroethene		0.318	0.327	0.402	0.372	0.379	0.271	0.345	13.985
Iodomethane		0.168	0.184	0.376	0.610	0.756		0.419	62.062
Acetone		0.066	0.057	0.052	0.033	0.037	0.047	0.039	25.520
Carbon disulfide	1.265	0.934	0.914	1.144	1.053	1.079		1.065	12.336
Allyl chloride	0.190	0.155	0.164	0.202	0.178	0.186	0.211	0.184	10.849
Methylene chloride		0.529	0.421	0.462	0.396	0.395	0.446	0.442	11.407
MTBE (Methyl tert-butyl ether)		1.063	0.963	1.116	1.015	1.118	0.827	1.017	10.897
trans-1,2-Dichloroethene	0.500	0.373	0.352	0.450	0.422	0.448	0.400	0.421	11.988
Acrylonitrile		0.082	0.091	0.116	0.092		0.139	0.104	22.268
1,1-Dichloroethane	1.010	0.677		0.973	0.918	0.941	0.963	0.914	13.121
Vinyl acetate	0.855	0.636	0.608	0.804	0.708	0.792		0.734	13.502
Acetonitrile			0.113	0.097	0.066	0.057	0.062	0.079	30.954
2,2-Dichloropropane		0.600	0.553	0.696	0.640	0.666	0.556	0.619	9.473
cis-1,2-Dichloroethene	0.568	0.418	0.421	0.531	0.493	0.512	0.509	0.493	11.243
MEK (2-Butanone)		0.306	0.334	0.370	0.253	0.307		0.314	13.727
Bromochloromethane	0.303	0.269	0.273	0.349	0.315	0.329	0.371	0.316	11.985
Chloroform		0.816	0.797	0.996	0.922	0.952	1.049	0.922	10.791
Chloroprene		0.526	0.497	0.722	0.664	0.693		0.620	16.425
1,1-Trichloroethane	0.957	0.661	0.651	0.811	0.745	0.761	0.743	0.761	13.521
Dibromofluoromethane	0.765	0.744	0.763	0.756	0.762	0.777	0.750	0.760	1.405
Carbon tetrachloride		1.532	1.058	0.955	0.779	0.751	0.703	0.963	32.130
1,1-Dichloropropene		0.612	1.094	1.018	0.824	0.796	0.697	0.840	22.004
Benzene	1.661	1.205	1.180	1.491	1.360	1.427	1.477	1.400	12.059
1,2-Dichloroethane	0.644	0.447	0.467	0.596	0.538	0.566	0.634	0.556	13.840
Isobutyl alcohol			0.054	0.049	0.017	0.028	0.059	0.041	43.395
Propionitrile		0.047	0.047	0.060	0.043	0.050		0.049	13.272
1,4-Difluorobenzene	ISTD								
Methacrylonitrile		0.186	0.205	0.253	0.198	0.218		0.212	12.141
Trichloroethene		0.418	0.403	0.518	0.470	0.471	0.504	0.464	9.815
1,2-Dichloropropane	0.575	0.403	0.395	0.504	0.450	0.458	0.473	0.465	13.200
Dibromomethane	0.483	0.382	0.383	0.489	0.423	0.434	0.483	0.440	10.577
Bromodichloromethane		0.636	0.631	0.790	0.709	0.730	0.755	0.709	9.060
2-Chloroethylvinylether	0.333	0.245	0.255	0.241	0.25	0.297		0.2702	13.62
cis-1,3-Dichloropropene	0.854	0.583	0.558	0.714	0.646	0.653	0.672	0.6684	14.548
Methyl methacrylate	0.646	0.402		0.517	0.406	0.469	0.515	0.4922	18.369
Chlorobenzene-d5	ISTD								
MIBK (4-Methyl-2-pentanone)		0.564	0.657	0.794	0.605	0.723		0.6687	13.733
Toluene-d8	1.136	1.13	1.133	1.133	1.143	1.153	1.108	1.1337	1.2155
Toluene		0.716	0.683	0.882	0.811	0.842	0.789	0.7869	9.5768
trans-1,3-Dichloropropene		0.607	0.577	0.732	0.669	0.707	0.69	0.6638	9.0339
1,1,2-Trichloroethane		0.447	0.427	0.535	0.464	0.483	0.465	0.4702	7.9098
EDB (1,2-Dibromoethane)		0.686	0.676	0.873	0.758	0.805	0.821	0.7697	10.161
Tetrachloroethene	0.525	0.385	0.367	0.469	0.43	0.449	0.41	0.4335	12.335
1,3-Dichloropropane		0.733	0.724	0.909	0.792	0.845	0.829	0.8054	8.7959
2-Hexanone	0.867	0.395	0.487	0.621	0.436		0.689	0.5826	30.675
Dibromochloromethane		0.669	0.629	0.84	0.772	0.818	0.797	0.7539	11.34
Ethyl methacrylate		0.684	0.609	0.833	0.696	0.745	0.782	0.7247	10.912
Chlorobenzene		0.917	0.885	1.136	1.027	1.076	1.034	1.0124	9.3961
1,1,2-Tetrachloroethane		0.481	0.454	0.584	0.539	0.557	0.526	0.5237	9.2297
Chlorobenzene		1.532	1.439	1.843	1.685	1.702	1.607	1.6346	8.6516
p-Xylene/m-Xylene		0.546	0.523	0.684	0.613	0.621	0.553	0.5903	10.193
o-Xylene		0.539	0.512	0.659	0.605	0.611	0.576	0.5836	9.0912

00785

Method : C:\HPCHEM\1\METHODS\08-1488.M (Chemstation Integrator)
 Title :
 Last Update : Wed Aug 15 14:31:50 2001
 Response via : Initial Calibration

Calibration Files

1 =C6049 5 =C6050 10 =C6051 20 =C6052 50 =C6053
 100 =C6054 200 =C6055

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	Pentafluorobenzene			ISTD		
2)	Dichlorodifluorometh	Avg	-----	0.3692	-----	0.0849
3) p	Chloromethane	LinF	-----	0.5505	-----	0.9964
4) c	Vinyl chloride	Avg	-----	0.3882	-----	0.1330
5)	Bromomethane	LinF	-----	0.1954	-----	0.9958
6)	Chloroethane	Avg	-----	0.1532	-----	0.0876
7)	Trichlorofluorometha	Avg	-----	0.6750	-----	0.1153
8)	Acrolein	Avg	-----	0.0405	-----	0.1391
9)	1,1,2-Trichloro-1,2,	Avg	-----	0.7892	-----	0.1282
10) Mc	1,1-Dichloroethene	Avg	-----	0.3449	-----	0.1398
11)	Iodomethane	LinF	-----	0.7104	-----	0.9929
12)	Acetone	LinF	-----	0.0445	-----	0.9822
13)	Carbon disulfide	Avg	-----	1.0648	-----	0.1234
14)	Allyl chloride	Avg	-----	0.1837	-----	0.1085
15)	Methylene chloride	Avg	-----	0.4415	-----	0.1141
16) m	MTBE(Methyl tert-but	Avg	-----	1.0169	-----	0.1090
17)	trans-1,2-Dichloroet	Avg	-----	0.4206	-----	0.1199
18)	Acrylonitrile	LinF	-----	0.1359	-----	0.9939
19) p	1,1-Dichloroethane	Avg	-----	0.9137	-----	0.1312
20)	Vinyl acetate	Avg	-----	0.7339	-----	0.1350
21)	Acetonitrile	LinF	-----	0.0615	-----	0.9943
22)	2,2-Dichloropropane	Avg	-----	0.6186	-----	0.0947
23)	cis-1,2-Dichloroethe	Avg	-----	0.4932	-----	0.1124
24)	MEK(2-Butanone)	Avg	-----	0.3139	-----	0.1373
25)	Bromochloromethane	Avg	-----	0.3156	-----	0.1198
26) c	Chloroform	Avg	-----	0.9220	-----	0.1079
27)	Chloroprene	LinF	-----	0.6862	-----	0.9987
28)	1,1,1-Trichloroethan	Avg	-----	0.7614	-----	0.1352
29) S	Dibromofluoromethane	Avg	-----	0.7597	-----	0.0140
30)	Carbon tetrachloride	LinF	-----	0.7190	-----	0.9995
31)	1,1-Dichloropropene	LinF	-----	0.7249	-----	0.9942
32) M	Benzene	Avg	-----	1.4001	-----	0.1206
33)	1,2-Dichloroethane	Avg	-----	0.5560	-----	0.1384
34)	Isobutyl alcohol	LinF	-----	0.0511	-----	0.9101
35)	Propionitrile	Avg	-----	0.0494	-----	0.1327
36)	1,4-Difluorobenzene			ISTD		
37)	Methacrylonitrile	Avg	-----	0.2119	-----	0.1214
38) M	Trichloroethene	Avg	-----	0.4642	-----	0.0981
39) c	1,2-Dichloropropane	Avg	-----	0.4654	-----	0.1320
40)	Dibromomethane	Avg	-----	0.4397	-----	0.1058
41)	Bromodichloromethane	Avg	-----	0.7086	-----	0.0906
42)	2-Chloroethylvinylet	Avg	-----	0.2702	-----	0.1362
43)	cis-1,3-Dichloroprop	Avg	-----	0.6684	-----	0.1455
44)	Methyl methacrylate	Avg	-----	0.4922	-----	0.1837
45)	Chlorobenzene-d5			ISTD		
46)	MIBK(4-Methyl-2-pent	Avg	-----	0.6687	-----	0.1373
47) S	Toluene-d8	Avg	-----	1.1336	-----	0.0122

00787

Calibration Table Report
Method: 08248260.M
Title:
Last Calibration: Mon Aug 27 10:57:35 2001

Vibration Files

Compound	1	5	10	20	50	100	200	Avg	%RSD
	C6133.D	C6134.D	C6135.D	C6136.D	C6137.D	C6138.D	C6139.D		
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane	0.618	1.154	0.459	0.498	0.561	0.553		0.641	40.132
Chloromethane	0.844	0.454	0.701	0.306	0.306	0.362	0.313	0.469	46.314
Vinyl chloride		0.337	0.669	0.282	0.327	0.368	0.357	0.390	35.868
Bromomethane		0.220	0.330	0.167	0.191	0.145	0.167	0.203	33.027
Chloroethane	0.259	0.110	0.122	0.133	0.133	0.145	0.167	0.151	40.144
Trichlorofluoromethane	0.453	0.675	0.525	0.567	0.473	0.480	0.167	0.529	15.602
Acrolein		0.016	0.015	0.022	0.026	0.480	0.167	0.020	25.882
1,1,2-Trichloro-1,2,2-trifluoroethan	0.796	1.072	0.272	1.038	1.053	0.878	1.028	0.877	32.597
1,1-Dichloroethene	0.362	0.337	0.264	0.314	0.323	0.367	0.324	0.327	10.489
Iodomethane	0.144	0.251	0.554	0.431	0.585	0.596	0.493	0.436	40.137
Acetone			0.039	0.035	0.039	0.051	0.493	0.041	17.497
Carbon disulfide	0.577	0.527	0.514	0.483	0.515	0.639	0.515	0.539	9.765
Allyl chloride	0.151	0.154	0.149	0.144	0.171	0.140	0.515	0.152	7.129
Methylene chloride	1.036	0.500	0.818	0.336	0.384	0.435	0.367	0.554	48.379
MTBE(Methyl tert-butyl ether)		0.981	0.747	0.948	1.123	1.244	1.107	1.025	16.878
trans-1,2-Dichloroethene		0.373	0.183	0.358	0.420	0.478	0.386	0.367	27.164
Acrylonitrile		0.055	0.116	0.055	0.070	0.087	0.119	0.084	34.238
1,1-Dichloroethane	0.720	0.728	0.602	0.718	0.760	0.861	0.762	0.736	10.437
Vinyl acetate		0.660	0.606	0.549	0.549	0.414	0.482	0.543	16.077
2,2-Dichloropropane	0.907	0.663	0.497	0.568	0.592	0.674	0.628	0.647	20.015
cis-1,2-Dichloroethene	0.384	0.399	0.377	0.400	0.418	0.475	0.444	0.414	8.459
MEK(2-Butanone)		0.295	0.413	0.244	0.263	0.280	0.475	0.328	28.411
Bromochloromethane	0.187	0.252	0.353	0.250	0.266	0.279	0.281	0.267	18.558
Chloroform	0.983	0.787	0.832	0.735	0.788	0.882	0.845	0.836	9.619
1,1-Trichloroethane	0.755	0.678	0.487	0.620	0.646	0.727	0.692	0.658	13.420
1,1,2-Trifluoroethane	0.724	0.690	0.899	0.644	0.680	0.764	0.782	0.740	11.446
Carbon tetrachloride		1.498	0.795	0.754	0.678	0.699	0.657	0.847	38.138
1,1-Dichloropropene		0.808	1.023	0.828	0.717	0.756	0.683	0.802	15.065
Benzene	1.320	1.229	1.015	1.148	1.209	1.342	1.293	1.222	9.300
1,2-Dichloroethane	0.441	0.454	0.575	0.434	0.476	0.537	0.531	0.493	11.129
1,4-Difluorobenzene	ISTD								
Trichloroethene	0.468	0.427	0.321	0.425	0.423	0.452	0.424	0.420	11.180
1,2-Dichloropropane	0.413	0.382	0.561	0.335	0.269	0.342	0.444	0.392	23.932
Dibromomethane	0.352	0.353	0.464	0.355	0.376	0.395	0.381	0.382	10.318
Bromodichloromethane	0.775	0.619	0.821	0.592	0.638	0.675	0.632	0.679	12.685
2-Chloroethylvinylether	0.279	0.258	0.379	0.226	0.182	0.231	0.300	0.265	23.932
cis-1,3-Dichloropropene	0.584	0.573	0.727	0.553	0.592	0.626	0.583	0.606	9.576
Chlorobenzene-d5	ISTD								
MIBK(4-Methyl-2-pentanone)		0.635	0.759	0.658	0.664	0.635	1.100	0.742	24.424
Toluene-d8	1.137	1.128	0.880	1.217	1.160	1.178	1.103	1.115	9.850
Toluene	0.772	0.714	0.558	0.763	0.761	0.772	0.701	0.71997	10.6988
trans-1,3-Dichloropropene	0.589	0.594	0.632	0.577	0.618	0.696	0.634	0.61994	6.44263
1,1,2-Trichloroethane	0.525	0.423	0.47	0.414	0.419	0.455	0.415	0.44573	9.22815
EDB(1,2-Dibromoethane)	0.649	0.642	0.74	0.654	0.672	0.731	0.706	0.6849	5.95209
Tetrachloroethene	0.375	0.396	0.265	0.414	0.401	0.405	0.356	0.37304	13.8554
1,3-Dichloropropane	0.763	0.71	0.772	0.709	0.718	0.809	0.737	0.74528	5.00917
2-Hexanone		0.436	0.617	0.45	0.501	0.443	0.762	0.53481	24.3978
Dibromochloromethane	0.693	0.621	0.719	0.637	0.675	0.757	0.699	0.68603	6.79991
Chlorobenzene	0.907	0.869	0.928	0.932	0.947	0.947	0.902	0.91882	3.07952
1,1,1,2-Tetrachloroethane	0.444	0.5	0.468	0.483	0.508	0.47	0.902	0.47887	4.88895
Ethylbenzene		1.524	1.616	1.537	1.575	1.562	1.409	1.53708	4.58093
p-Xylene/m-Xylene		0.547	0.649	0.554	0.57	0.571	0.509	0.56693	8.15415
o-Xylene		0.528	0.643	0.524	0.55	0.564	0.507	0.55274	8.79303
Styrene		0.876	1.128	0.899	0.962	0.991	0.909	0.96077	9.5982
Isopropylbenzene	0.492	0.445	0.623	0.484	0.542	0.578	0.614	0.53968	12.7435
1,4-Dichlorobenzene-d4	1.676	1.541	1.839	1.545	1.601	1.609	1.48	1.61299	7.28402
	ISTD								

00795

Method : C:\HPCHEM\1\METHODS\08248260.M (Chemstation Integrator)
 Title :
 Last Update : Mon Aug 27 11:02:53 2001
 Response via : Initial Calibration

Calibration Files

1 =C6133 5 =C6134 10 =C6135 20 =C6136 50 =C6137
 100 =C6138 200 =C6139

Compound		Fit	Constant	Linear	Quad	RSD/Cf

1)	Pentafluorobenzene	-----ISTD-----				
2)	Dichlorodifluorometh	LinF	-----	0.5525	-----	0.9947
3) p	Chloromethane	LinF	-----	0.3229	-----	0.9914
4) c	Vinyl chloride	LinF	-----	0.3578	-----	0.9958
5)	Bromomethane	LinF	-----	0.1642	-----	0.9895
6)	Chloroethane	LinF	-----	0.1322	-----	0.9953
7)	Trichlorofluorometha	LinF	-----	0.4832	-----	0.9975
8)	Acrolein	LinF	-----	0.0249	-----	0.9919
9)	1,1,2-Trichloro-1,2,	LinF	-----	0.9832	-----	0.9907
10) Mc	1,1-Dichloroethene	Avg	-----	0.3273	-----	0.1049
11)	Iodomethane	LinF	-----	0.5165	-----	0.9884
12)	Acetone	LinF	-----	0.0481	-----	0.9838
13)	Carbon disulfide	Avg	-----	0.5386	-----	0.0977
14)	Allyl chloride	Avg	-----	0.1515	-----	0.0713
15)	Methylene chloride	LinF	-----	0.3811	-----	0.9898
16)	MTBE(Methyl tert-but	LinF	-----	1.1317	-----	0.9952
17)	trans-1,2-Dichloroet	LinF	-----	0.4046	-----	0.9841
18)	Acrylonitrile	LinF	-----	0.1104	-----	0.9775
19) p	1,1-Dichloroethane	Avg	-----	0.7357	-----	0.1044
20)	Vinyl acetate	LinF	-----	0.4729	-----	0.9914
21)	2,2-Dichloropropane	LinF	-----	0.6346	-----	0.9981
22)	cis-1,2-Dichloroethe	Avg	-----	0.4140	-----	0.0846
23)	MEK(2-Butanone)	LinF	-----	0.4262	-----	0.9545
24)	Bromochloromethane	LinF	-----	0.2796	-----	0.9995
25) c	Chloroform	Avg	-----	0.8360	-----	0.0962
26)	1,1,1-Trichloroethan	Avg	-----	0.6578	-----	0.1342
27) S	Dibromofluoromethane	Avg	-----	0.7405	-----	0.1145
28)	Carbon tetrachloride	LinF	-----	0.6677	-----	0.9990
29)	1,1-Dichloropropene	LinF	-----	0.6998	-----	0.9974
30) M	Benzene	Avg	-----	1.2222	-----	0.0930
31)	1,2-Dichloroethane	Avg	-----	0.4926	-----	0.1113

32)	1,4-Difluorobenzene	-----ISTD-----				
33) M	Trichloroethene	Avg	-----	0.4201	-----	0.1118
34) c	1,2-Dichloropropane	LinF	-----	0.4162	-----	0.9796
35)	Dibromomethane	Avg	-----	0.3825	-----	0.1032
36)	Bromodichloromethane	Avg	-----	0.6788	-----	0.1268
37)	2-Chloroethylvinylet	LinF	-----	0.2812	-----	0.9796
38)	cis-1,3-Dichloroprop	Avg	-----	0.6055	-----	0.0958

39)	Chlorobenzene-d5	-----ISTD-----				
40)	MIBK(4-Methyl-2-pent	LinF	-----	0.9604	-----	0.9393
41) S	Toluene-d8	Avg	-----	1.1146	-----	0.0985
42) Mc	Toluene	Avg	-----	0.7200	-----	0.1070
43)	trans-1,3-Dichloropr	Avg	-----	0.6199	-----	0.0644
44)	1,1,2-Trichloroethan	Avg	-----	0.4457	-----	0.0923
45)	EDB(1,2-Dibromoethan	Avg	-----	0.6849	-----	0.0595
46)	Tetrachloroethene	Avg	-----	0.3730	-----	0.1386
47)	1,3-Dichloropropane	Avg	-----	0.7453	-----	0.0501

Calibration Table Report
Method: 08-21826.M
Title:
Last Calibration: Wed Aug 22 11:41:49 2001

ibration Files

Compound	1 D4753.D	5 D4754.D	10 D4755.D	20 D4756.D	50 D4757.D	100 D4758.D	200 D4759.D	Avg	%RSD
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane	0.588	0.622	0.597	0.622	0.615	0.614	0.520	0.597	6.052
Chloromethane		0.274	0.261	0.246	0.243	0.235	0.198	0.243	10.649
Vinyl chloride	0.307	0.285	0.268	0.273	0.279	0.284	0.239	0.276	7.423
Bromomethane	0.207	0.271	0.255	0.274	0.285	0.273	0.238	0.258	10.527
Chloroethane	0.194	0.182	0.169	0.172	0.174	0.171	0.150	0.173	7.686
Trichlorofluoromethane	0.796	0.765	0.728	0.755	0.737	0.721	0.637	0.734	6.798
Acrolein		0.017	0.014	0.014	0.013	0.013	0.012	0.014	12.750
1,1,2-Trichloro-1,2,2-trifluoroethane	0.448	0.389	0.378	0.381	0.366	0.363	0.328	0.379	9.552
1,1-Dichloroethene		0.314	0.293	0.292	0.283	0.278	0.254	0.286	6.887
Iodomethane	0.779	0.785	0.774	0.800	0.823	0.791	0.663	0.774	6.637
Acetone		0.055	0.045	0.045	0.039	0.041	0.037	0.044	14.869
Carbon disulfide	0.926	0.806	0.746	0.748	0.734	0.720	0.654	0.762	11.156
Allyl chloride	0.180	0.146	0.144	0.137	0.139	0.137	0.127	0.144	11.607
Methylene chloride		0.323	0.310	0.304	0.293	0.287	0.266	0.297	6.652
MTBE (Methyl tert-butyl ether)	0.936	0.746	0.697	0.709	0.685	0.682	0.614	0.724	14.015
trans-1,2-Dichloroethene	0.338	0.337	0.324	0.328	0.321	0.313	0.287	0.321	5.423
Acrylonitrile		0.041	0.036	0.038	0.038	0.036	0.036	0.038	4.941
1,1-Dichloroethane	0.756	0.642	0.613	0.613	0.598	0.585	0.526	0.619	11.339
Vinyl acetate	0.549	0.555	0.525	0.520	0.503	0.499	0.453	0.515	6.724
2,2-Dichloropropane	0.729	0.629	0.577	0.575	0.560	0.543	0.483	0.585	13.140
cis-1,2-Dichloroethene	0.356	0.347	0.316	0.323	0.314	0.304	0.280	0.320	8.050
MEK (2-Butanone)		0.082	0.073	0.069	0.061	0.063	0.058	0.068	13.188
Bromochloromethane	0.215	0.208	0.211	0.212	0.209	0.207	0.189	0.207	4.179
Chloroform	0.770	0.739	0.698	0.702	0.670	0.649	0.579	0.687	9.089
1,1-Trichloroethane	0.669	0.625	0.617	0.612	0.604	0.601	0.537	0.609	6.426
Dibromofluoromethane	0.650	0.644	0.612	0.623	0.626	0.610	0.571	0.620	4.177
Carbon tetrachloride	0.550	0.543	0.536	0.551	0.519	0.516	0.491	0.530	4.141
1,1-Dichloropropene	0.593	0.509	0.484	0.484	0.418	0.408	0.399	0.471	14.679
Benzene	1.134	1.019	0.967	0.953	0.917	0.882	0.807	0.954	10.915
1,2-Dichloroethane	0.463	0.461	0.451	0.461	0.450	0.446	0.397	0.447	5.136
1,4-Difluorobenzene	ISTD								
Trichloroethene	0.378	0.367	0.367	0.357	0.346	0.339	0.318	0.353	5.817
1,2-Dichloropropane	0.360	0.336	0.332	0.319	0.304	0.297	0.270	0.317	9.305
Dibromomethane	0.289	0.286	0.289	0.289	0.276	0.274	0.251	0.279	4.932
Bromodichloromethane	0.657	0.664	0.653	0.650	0.630	0.613	0.551	0.631	6.267
2-Chloroethylvinylether	0.188	0.167	0.162	0.165	0.161	0.163	0.151	0.165	6.795
cis-1,3-Dichloropropene	0.553	0.524	0.509	0.517	0.491	0.484	0.447	0.504	6.728
Chlorobenzene-d5	ISTD								
MIBK (4-Methyl-2-pentanone)	0.239	0.204	0.178	0.201	0.199	0.203	0.190	0.202	9.228
Toluene-d8	1.109	1.092	1.086	1.078	1.073	1.068	1.069	1.082	1.370
Toluene	1.044	1.049	1.029	1.025	0.963	0.954	0.893	0.99384	5.87312
trans-1,3-Dichloropropene	0.509	0.484	0.484	0.505	0.477	0.484	0.453	0.48524	3.83366
1,1,2-Trichloroethane	0.328	0.322	0.309	0.309	0.293	0.298	0.28	0.30551	5.49837
EDB (1,2-Dibromoethane)	0.435	0.448	0.43	0.428	0.416	0.417	0.392	0.42395	4.16007
Tetrachloroethene	0.349	0.311	0.305	0.295	0.285	0.28	0.267	0.29888	8.98246
1,3-Dichloropropane	0.581	0.507	0.512	0.512	0.492	0.491	0.459	0.50767	7.33583
2-Hexanone	0.16	0.131	0.132	0.131	0.123	0.13	0.124	0.13294	9.49981
Dibromochloromethane	0.513	0.512	0.537	0.542	0.538	0.553	0.527	0.53185	2.8356
Chlorobenzene	0.753	0.708	0.721	0.712	0.695	0.696	0.666	0.70745	3.80315
1,1,1,2-Tetrachloroethane	0.421	0.419	0.403	0.401	0.391	0.393	0.372	0.39979	4.24419
Ethylbenzene	0.318	0.325	0.325	0.314	0.299	0.298	0.283	0.30877	5.11722
p-Xylene/m-Xylene	0.434	0.406	0.397	0.392	0.37	0.37	0.358	0.38953	6.6306
o-Xylene	0.436	0.409	0.408	0.401	0.389	0.391	0.369	0.40022	5.19809
Hexanone	0.836	0.71	0.69	0.687	0.647	0.653	0.614	0.69106	10.335
Chloroform	0.299	0.278	0.295	0.309	0.316	0.335	0.323	0.30781	6.17406
Isopropylbenzene	1.014	0.955	0.967	0.956	0.922	0.929	0.866	0.94415	4.82176
1,4-Dichlorobenzene-d4	ISTD								

00800

Method : C:\HPCHEM\MSD-D8-2\METHODS\08-21826.M (Chemstation Integrator)
 Title :
 Last Update : Wed Aug 22 11:41:49 2001
 Response via : Initial Calibration

Calibration Files

1 =D8753 5 =D8754 10 =D8755 20 =D8756 50 =D8757
 100 =D8758 200 =D8759

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	Pentafluorobenzene			ISTD		
2)	Dichlorodifluorometh	Avg	-----	0.5969	-----	0.0605
3) m	Chloromethane	Avg	-----	0.2430	-----	0.1065
4) cm	Vinyl chloride	Avg	-----	0.2765	-----	0.0742
5) m	Bromomethane	Avg	-----	0.2577	-----	0.1053
6) m	Chloroethane	Avg	-----	0.1732	-----	0.0769
7) m	Trichlorofluorometha	Avg	-----	0.7342	-----	0.0680
8) m	Acrolein	Avg	-----	0.0139	-----	0.1275
9)	1,1,2-Trichloro-1,2,	Avg	-----	0.3788	-----	0.0955
10) Mc	1,1-Dichloroethene	Avg	-----	0.2858	-----	0.0689
11)	Iodomethane	Avg	-----	0.7736	-----	0.0664
12)	Acetone	Avg	-----	0.0438	-----	0.1487
13)	Carbon disulfide	Avg	-----	0.7620	-----	0.1116
14)	Allyl chloride	Avg	-----	0.1444	-----	0.1161
15) m	Methylene chloride	Avg	-----	0.2973	-----	0.0665
16) m	MTBE(Methyl tert-but	Avg	-----	0.7241	-----	0.1401
17) m	trans-1,2-Dichloroet	Avg	-----	0.3212	-----	0.0542
18) m	Acrylonitrile	Avg	-----	0.0375	-----	0.0494
19) pm	1,1-Dichloroethane	Avg	-----	0.6187	-----	0.1134
20)	Vinyl acetate	Avg	-----	0.5148	-----	0.0672
21)	2,2-Dichloropropane	Avg	-----	0.5851	-----	0.1314
22) m	cis-1,2-Dichloroethe	Avg	-----	0.3201	-----	0.0805
23)	MEK(2-Butanone)	Avg	-----	0.0675	-----	0.1319
24)	Bromochloromethane	Avg	-----	0.2072	-----	0.0418
25) cm	Chloroform	Avg	-----	0.6867	-----	0.0909
26) m	1,1,1-Trichloroethan	Avg	-----	0.6094	-----	0.0643
27) S	Dibromofluoromethane	Avg	-----	0.6196	-----	0.0418
28) m	Carbon tetrachloride	Avg	-----	0.5295	-----	0.0414
29)	1,1-Dichloropropene	Avg	-----	0.4706	-----	0.1468
30) M	Benzene	Avg	-----	0.9541	-----	0.1091
31) m	1,2-Dichloroethane	Avg	-----	0.4472	-----	0.0514
32)	1,4-Difluorobenzene			ISTD		
33) M	Trichloroethene	Avg	-----	0.3531	-----	0.0582
34) cm	1,2-Dichloropropane	Avg	-----	0.3167	-----	0.0930
35)	Dibromomethane	Avg	-----	0.2791	-----	0.0493
36) m	Bromodichloromethane	Avg	-----	0.6311	-----	0.0627
37) m	2-Chloroethylvinylet	Avg	-----	0.1651	-----	0.0679
38) m	cis-1,3-Dichloroprop	Avg	-----	0.5036	-----	0.0673
39)	Chlorobenzene-d5			ISTD		
40)	MIBK(4-Methyl-2-pent	Avg	-----	0.2019	-----	0.0923
41) S	Toluene-d8	Avg	-----	1.0822	-----	0.0137
42) Mc	Toluene	Avg	-----	0.9938	-----	0.0587
43) m	trans-1,3-Dichloropr	Avg	-----	0.4852	-----	0.0383
44) m	1,1,2-Trichloroethan	Avg	-----	0.3055	-----	0.0550
45)	EDB(1,2-Dibromoethan	Avg	-----	0.4239	-----	0.0416
46) m	Tetrachloroethene	Avg	-----	0.2989	-----	0.0898
47)	1,3-Dichloropropane	Avg	-----	0.5077	-----	0.0734

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\MSD-D8~2\DATA1\D8733.D

Vial: 100

Acq On : 17 Aug 101 10:12 pm

Operator: SJB

Sample : 50 ug/l 8260 INIT CAL

Inst : MSD-D

*isc : 50 ul 98-027-266-11 in 100 ml h2o/5ml P& Multiplr: 1.00

S Integration Params: EVENTS.E

Method : C:\HPCHEM\MSD-D8~2\METHODS\08-15826.M (Chemstation Integrator)

Title :

Last Update : Mon Aug 20 14:46:37 2001

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	Pentafluorobenzene	1.000	1.000	0.0	110	0.06
2	Dichlorodifluoromethane	0.597	0.515	13.7	93	0.03
3 m	Chloromethane	0.225	0.207	8.0	99	0.03
4 cm	Vinyl chloride	0.272	0.239	12.1	94	0.04
5 m	Bromomethane	0.265	0.236	10.9	102	0.05
6 m	Chloroethane	0.167	0.151	9.6	99	0.05
7 m	Trichlorofluoromethane	0.689	0.645	6.4	104	0.04
8 m	Acrolein	0.017	0.015	11.8	97	0.04
9	1,1,2-Trichloro-1,2,2-trifl	0.578	0.546	5.5	106	0.04
10 Mc	1,1-Dichloroethene	0.282	0.267	5.3	107	0.05
11	Iodomethane	0.762	0.771	-1.2	110	0.05
12	Acetone	0.048	0.039	18.8	101	0.04
13	Carbon disulfide	0.730	0.676	7.4	97	0.04
	Allyl chloride	0.135	0.129	4.4	98	0.04
15 m	Methylene chloride	0.315	0.283	10.2	105	0.05
16 m	MTBE (Methyl tert-butyl ethe	0.760	0.649	14.6	99	0.04
17 m	trans-1,2-Dichloroethene	0.309	0.299	3.2	104	0.05
18 m	Acrylonitrile	0.043	0.038	11.6	98	0.04
19 pm	1,1-Dichloroethane	0.609	0.550	9.7	98	0.05
20	Vinyl acetate	0.589	0.494	16.1	97	0.05
21	2,2-Dichloropropane	0.558	0.471	15.6	91	0.06
22 m	cis-1,2-Dichloroethene	0.311	0.299	3.9	104	0.07
23	MEK (2-Butanone)	0.080	0.061	23.8#	86	0.06
24	Bromochloromethane	0.209	0.209	0.0	109	0.06
25 cm	Chloroform	0.667	0.624	6.4	104	0.07
26 m	1,1,1-Trichloroethane	0.563	0.543	3.6	103	0.07
27 S	Dibromofluoromethane	0.606	0.603	0.5	108	0.07
28 m	Carbon tetrachloride	0.512	0.484	5.5	105	0.07
29	1,1-Dichloropropene	0.446	0.435	2.5	105	0.07
30 M	Benzene	0.921	0.877	4.8	113	0.07
31 m	1,2-Dichloroethane	0.445	0.390	12.4	98	0.07
32	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.06
33 M	Trichloroethene	0.343	0.350	-2.0	110	0.06
34 cm	1,2-Dichloropropane	0.327	0.294	10.1	99	0.05
35	Dibromomethane	0.294	0.263	10.5	98	0.05
36 m	Bromodichloromethane	0.627	0.584	6.9	104	0.05
37 m	2-Chloroethylvinylether	0.161	0.142	11.8	97	0.05
8 m	cis-1,3-Dichloropropene	0.519	0.468	9.8	98	0.04
39	Chlorobenzene-d5	1.000	1.000	0.0	108	0.03
40	MIBK (4-Methyl-2-pentanone)	0.245	0.212	13.5	93	0.03
41 S	Toluene-d8	1.115	1.071	3.9	103	0.04
42 Mc	Toluene	1.034	0.956	7.5	100	0.04
43 m	trans-1,3-Dichloropropene	0.528	0.472	10.6	98	0.04

00331

Data File : C:\HPCHEM\2\DATA\B2842.D
 Acq On : 23 Aug 2010 1:50 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-G
 MS Integration Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-21.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Wed Aug 22 08:01:34 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.413	0.470	-13.8	113	0.00
41	DIMETHYL PHTHALATE	1.324	1.427	-7.8	111	0.02
42	2,6-DINITROTOLUENE	0.296	0.333	-12.5	114	0.00
43	ACENAPHTHYLENE	1.741	1.835	-5.4	105	0.00
44	3-NITROANILINE	0.325	0.395	-21.5#	124	0.02
45 c, m	ACENAPHTHENE	1.077	1.136	-5.5	104	0.00
46 c	2,4-DINITROPHENOL	0.209	0.268	7.9% -28.2	134	0.00
47 c, m	4-NITROPHENOL	0.187	0.230	11.1% -23.0	131	0.02
48	DIBENZOFURAN	1.531	1.633	-6.7	107	0.00
49 m	2,4-DINITROTOLUENE	0.411	0.511	-24.3#	128	0.02
50	DIETHYL PHTHALATE	1.369	1.597	-16.7	123	0.00
51	FLUORENE	1.220	1.364	-11.8	113	0.00
52	4-CHLOROPHENYLPHENYLETHER	0.598	0.640	-7.0	109	0.00
53	AZOBENZENE	0.480	0.539	-12.3	116	0.02
54	1,2-DIPHENYLHYDRAZINE	0.480	0.539	-12.3	116	0.02
55 S	2,4,6-TRIBROMOPHENOL	0.218	0.256	-17.4	121	0.01
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	133	0.01
57	4-NITROANILINE	0.210	0.231	-10.0	137	0.03
58	2-METHYL-4,6-DINITROPHENOL	0.180	0.192	-6.7	136	0.02
59 c	N-NITROSODIPHENYLAMINE	0.528	0.516	2.3	125	0.02
60	4-BROMOPHENYLPHENYLETHER	0.231	0.215	6.9	121	0.02
61	HEXACHLOROBENZENE	0.268	0.253	5.6	124	0.01
62 c, m	PENTACHLOROPHENOL	0.168	0.179	-6.5	133	0.02
63	PHENANTHRENE	1.028	1.051	-2.2	132	0.02
64	ANTHRACENE	1.041	1.072	-3.0	134	0.03
65	CARBAZOLE	0.972	1.062	-9.3	138	0.02
66	DI-N-BUTYL PHTHALATE	1.473	1.573	-6.8	137	0.02
67 c	FLUORANTHENE	1.139	1.238	-8.7	136	0.02
68	BENZIDINE	0.487	0.416	14.6	107	0.01
69 I	CHRYSENE-d12	1.000	1.000	0.0	116	0.02
70 m	PYRENE	1.523	1.801	-18.3	134	0.01
71 s	TERPHENYL-D14	1.091	1.197	-9.7	128	0.01
72	BUTYLBENZYL PHTHALATE	0.792	0.863	-9.0	121	0.02
73	3,3'-DICHLOROBENZIDINE	0.446	0.455	-2.0	113	0.01
74	BENZO(A)ANTHRACENE	1.207	1.261	-4.5	118	0.01
75	BIS-2-ETHYLHEXYL PHTHALATE	1.011	1.085	-7.3	120	0.02
76	CHRYSENE	1.150	1.175	-2.2	115	0.01
77 I	PERYLENE-d12	1.000	1.000	0.0	129	0.01

(#) = Out of Range

B2842.D TCLB8-21.M

Thu Aug 23 14:44:01 2001

MSD-A

00368 Page 2

Data File : C:\HPCHEM\2\DATA\B2850.D
 Acq On : 24 Aug 2010 10:28 am
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-G
 MS Integration Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-21.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Wed Aug 22 08:07:46 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.413	0.531	-28.6#	60	-0.10
41	DIMETHYL PHTHALATE	1.324	1.431	-8.1	52	-0.09
42	2,6-DINITROTOLUENE	0.296	0.344	-16.2	55	-0.09
43	ACENAPHTHYLENE	1.741	1.866	-7.2	50	-0.10
44	3-NITROANILINE	0.325	0.379	-16.6	56	-0.10
45 c, m	ACENAPHTHENE	1.077	1.168	-8.4	50	-0.11
46 c	2,4-DINITROPHENOL	0.209	0.241	-15.3	56	-0.10
47 c, m	4-NITROPHENOL	0.187	0.322	-55.6#	86	-0.10
48	DIBENZOFURAN	1.531	1.609	-5.1	49	-0.11
49 m	2,4-DINITROTOLUENE	0.411	0.508	-23.6#	60	-0.10
50	DIETHYL PHTHALATE	1.369	1.608	-17.5	58	-0.10
51	FLUORENE	1.220	1.346	-10.3	52	-0.11
52	4-CHLOROPHENYLPHENYLETHER	0.598	0.658	-10.0	52	-0.11
53	AZOBENZENE	0.480	0.726	-51.3#	73	-0.10
54	1,2-DIPHENYLHYDRAZINE	0.480	0.726	-51.3#	73	-0.10
55 S	2,4,6-TRIBROMOPHENOL	0.218	0.284	-30.3#	63	-0.11
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	58	-0.12
57	4-NITROANILINE	0.210	0.231	-10.0	60	-0.10
58	2-METHYL-4,6-DINITROPHENOL	0.180	0.201	-11.7	63	-0.10
59 c	N-NITROSODIPHENYLAMINE	0.528	0.515	2.5	55	-0.10
60	4-BROMOPHENYLPHENYLETHER	0.231	0.232	-0.4	57	-0.10
61	HEXACHLOROBENZENE	0.268	0.275	-2.6	59	-0.12
62 c, m	PENTACHLOROPHENOL	0.168	0.195	-16.1	63	-0.11
63	PHENANTHRENE	1.028	1.059	-3.0	58	-0.11
64	ANTHRACENE	1.041	1.079	-3.7	59	-0.10
65	CARBAZOLE	0.972	1.089	-12.0	62	-0.10
66	DI-N-BUTYL PHTHALATE	1.473	1.680	-14.1	64	-0.10
67 c	FLUORANTHENE	1.139	1.384	-21.5#	67	-0.11
68	BENZIDINE	0.487	0.533	-9.4	60	-0.11
69 I	CHRYSENE-d12	1.000	1.000	0.0	67	-0.12
70 m	PYRENE	1.523	1.552	-1.9	67	-0.12
71 s	TERPHENYL-D14	1.091	1.098	-0.6	68	-0.12
72	BUTYLBENZYL PHTHALATE	0.792	0.804	-1.5	66	-0.11
73	3,3'-DICHLOROBENZIDINE	0.446	0.460	-3.1	66	-0.12
74	BENZO(A)ANTHRACENE	1.207	1.281	-6.1	69	-0.13
75	BIS-2-ETHYLHEXYL PHTHALATE	1.011	0.976	3.5	63	-0.11
76	CHRYSENE	1.150	1.209	-5.1	69	-0.12
I	PERYLENE-d12	1.000	1.000	0.0	78	-0.16

(#) = Out of Range

B2850.D TCLB8-21.M

Fri Aug 24 11:20:09 2001

MSD-A

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Data File : C:\HPCHEM\2\DATA\B2864.D
 Acq On : 27 Aug 2010 12:46 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-G
 MS Integration Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-21.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Wed Aug 22 08:07:46 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-DICHLORO BENZENE-d4	1.000	1.000	0.0	53	-0.15
2	PYRIDINE	1.234	1.276	-3.4	47	-0.27
3	N-NITROSODIMETHYLAMINE	0.833	0.804	3.5	45	-0.26
4 S	2-FLUOROPHENOL	1.298	1.161	10.6	45	-0.19
5 S	PHENOL-D5	1.612	1.444	10.4	46	-0.15
6	ANILINE	2.130	1.913	10.2	46	-0.15
7 c,m	PHENOL	1.702	1.588	6.7	48	-0.14
8	BIS(2-CHLOROETHYLETER)	1.425	1.384	2.9	50	-0.15
9 m	2-CHLOROPHENOL	1.312	1.284	2.1	50	-0.15
10	1,3-DICHLORO BENZENE	1.510	1.586	-5.0	55	-0.15
11 c,m	1,4-DICHLORO BENZENE	1.466	1.532	-4.5	54	-0.15
12	1,2-DICHLORO BENZENE	1.448	1.510	-4.3	54	-0.14
13	BENZYL ALCOHOL	0.799	0.771	3.5	49	-0.14
14	2-METHYLPHENOL	1.146	1.086	5.2	47	-0.13
15	BIS(2-CHLOROISOPROPYLETER)	2.409	2.209	8.3	47	-0.13
16 c,m	N-NITROSODI-N-PROPYLAMINE	1.120	1.180	-5.4	56	-0.14
17	HEXACHLOROETHANE	0.589	0.668	-13.4	61	-0.14
18	3/4-METHYLPHENOL	1.160	1.057	8.9	49	-0.13
19 I	NAPHTHALENE-d8	1.000	1.000	0.0	48	-0.13
20 S	NITROBENZENE-d5	0.423	0.471	-11.3	54	-0.14
21	NITROBENZENE	0.457	0.519	-13.6	53	-0.15
22	ISOPHORONE	0.897	0.926	-3.2	48	-0.14
23 c	2-NITROPHENOL	0.219	0.232	-5.9	48	-0.13
24	2,4-DIMETHYLPHENOL	0.382	0.442	-15.7	54	-0.12
25	BIS(2-CHLOROETHOXYMETHANE)	0.483	0.493	-2.1	48	-0.13
26 c	2,4-DICHLOROPHENOL	0.298	0.312	-4.7	48	-0.13
27	BENZOIC ACID	0.216	0.217	-0.5	44	-0.16
28 m	1,2,4-TRICHLORO BENZENE	0.338	0.368	-8.9	51	-0.13
29	NAPHTHALENE	1.012	1.039	-2.7	48	-0.13
30	4-CHLOROANILINE	0.402	0.419	-4.2	49	-0.13
31 c	HEXACHLOROBUTADIENE	0.220	0.280	-27.3#	61	-0.13
32 c,m	4-CHLORO-3-METHYLPHENOL	0.320	0.360	-12.5	52	-0.12
33	2-METHYLNAPHTHALENE	0.643	0.713	-10.9	50	-0.14
34 I	ACENAPHTHENE-d10	1.000	1.000	0.0	52	-0.14
35 c	HEXACHLOROCYCLOPENTADIENE	0.393	0.459	-16.8	54	-0.13
36 c	2,4,6-TRICHLOROPHENOL	0.363	0.379	-4.4	51	-0.13
37	2,4,5-TRICHLOROPHENOL	0.385	0.397	-3.1	49	-0.12
38 S	2-FLUOROBIPHENYL	1.235	1.196	3.2	49	-0.13
39	2-CHLORONAPHTHALENE	1.063	1.099	-3.4	51	-0.14

(#) = Out of Range

B2864.D TCLB8-21.M

Mon Aug 27 15:38:48 2001

MSD-A

Page 1

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Continuing Calibration Report

: C:\HPCHEM\2\DATA\B2864.D
 : 27 Aug 2010 2:46 pm
 80 PPM 8270/TCL
 97-151-65-G
 ion Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-21.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Wed Aug 22 08:07:46 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.413	0.510	-23.5#	62	-0.14
41	DIMETHYL PHTHALATE	1.324	1.406	-6.2	55	-0.13
42	2,6-DINITROTOLUENE	0.296	0.339	-14.5	58	-0.13
43	ACENAPHTHYLENE	1.741	1.824	-4.8	52	-0.14
44	3-NITROANILINE	0.325	0.359	-10.5	56	-0.13
45 c,m	ACENAPHTHENE	1.077	1.154	-7.1	53	-0.13
46 c	2,4-DINITROPHENOL	0.209	0.213	-1.9	53	-0.13
47 c,m	4-NITROPHENOL	0.187	0.278	35.1, -48.7	80	-0.11
48	DIBENZOFURAN	1.531	1.589	-3.8	52	-0.14
49 m	2,4-DINITROTOLUENE	0.411	0.501	-21.9#	63	-0.13
50	DIETHYL PHTHALATE	1.369	1.586	-15.9	61	-0.13
51	FLUORENE	1.220	1.329	-8.9	56	-0.14
52	4-CHLOROPHENYLPHENYLETHER	0.598	0.660	-10.4	56	-0.14
53	AZOBENZENE	0.480	0.686	-42.9#	74	-0.13
54 S	1,2-DIPHENYLHYDRAZINE	0.480	0.686	-42.9#	74	-0.13
55 S	2,4,6-TRIBROMOPHENOL	0.218	0.286	-31.2#	68	-0.14
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	61	-0.15
57	4-NITROANILINE	0.210	0.226	-7.6	62	-0.14
58	2-METHYL-4,6-DINITROPHENOL	0.180	0.192	-6.7	63	-0.13
59 c	N-NITROSODIPHENYLAMINE	0.528	0.521	1.3	59	-0.13
60	4-BROMOPHENYLPHENYLETHER	0.231	0.235	-1.7	61	-0.13
61	HEXACHLOROBENZENE	0.268	0.282	-5.2	64	-0.14
62 c,m	PENTACHLOROPHENOL	0.168	0.178	-6.0	61	-0.14
63	PHENANTHRENE	1.028	1.056	-2.7	61	-0.14
64	ANTHRACENE	1.041	1.085	-4.2	63	-0.13
65	CARBAZOLE	0.972	1.098	-13.0	66	-0.13
66	DI-N-BUTYL PHTHALATE	1.473	1.766	-19.9	71	-0.13
67 c	FLUORANTHENE	1.139	1.411	-23.9#	72	-0.15
68	BENZIDINE	0.487	0.480	1.4	57	-0.14
69 I	CHRYSENE-d12	1.000	1.000	0.0	66	-0.16
70 m	PYRENE	1.523	1.695	-11.3	71	-0.16
71 s	TERPHENYL-D14	1.091	1.200	-10.0	73	-0.15
72	BUTYLBENZYL PHTHALATE	0.792	0.846	-6.8	67	-0.14
73	3,3'-DICHLOROBENZIDINE	0.446	0.440	1.3	62	-0.15
74	BENZO(A)ANTHRACENE	1.207	1.298	-7.5	69	-0.17
75	BIS-2-ETHYLHEXYL PHTHALATE	1.011	1.031	-2.0	65	-0.15
76	CHRYSENE	1.150	1.191	-3.6	66	-0.16
I	PERYLENE-d12	1.000	1.000	0.0	63	-0.21

(#) = Out of Range

B2864.D TCLB8-21.M

Mon Aug 27 15:38:53 2001

MSD-A

Page 2

00074

Data File : C:\HPCHEM\2\DATA\B2917.D

Acq On : 4 Sep 2010 10:10 am

Sample : 80 PPM 8270/TCL

Misc : 97-151-65-G

MS Integration Params: RTEINT2.P

Vial: 2

Operator: CPW

Inst : MSD-B

Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-30.M (RTE Integrator)

Title : 8270 BNA TARGET COMPOUNDS

Last Update : Fri Aug 31 07:39:00 2001

Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.502	0.465	7.4	133	0.02
41	DIMETHYL PHTHALATE	1.466	1.493	-1.8	143	0.01
42	2,6-DINITROTOLUENE	0.311	0.346	-11.3	149	0.01
43	ACENAPHTHYLENE	1.856	1.856	0.0	140	0.02
44	3-NITROANILINE	0.366	0.365	0.3	139	0.02
45 c,m	ACENAPHTHENE	1.114	1.109	0.4	139	0.02
46 c	2,4-DINITROPHENOL	0.251	0.263	-4.8	143	0.01
47 c,m	4-NITROPHENOL	0.359	0.263	26.7	103	0.03
48	DIBENZOFURAN	1.567	1.632	-4.1	146	0.02
49 m	2,4-DINITROTOLUENE	0.431	0.462	-7.2	145	0.02
50	DIETHYL PHTHALATE	1.630	1.621	0.6	139	0.02
51	FLUORENE	1.253	1.296	-3.4	142	0.03
52	4-CHLOROPHENYLPHENYLETHER	0.681	0.682	-0.1	143	0.02
53	AZOBENZENE	0.732	0.667	8.9	131	0.02
54	1,2-DIPHENYLHYDRAZINE	0.733	0.667	9.0	131	0.02
55 S	2,4,6-TRIBROMOPHENOL	0.219	0.218	0.5	134	0.02
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	139	0.02
57	4-NITROANILINE	0.210	0.213	-1.4	139	0.02
58	2-METHYL-4,6-DINITROPHENOL	0.189	0.196	-3.7	141	0.00
59 c	N-NITROSODIPHENYLAMINE	0.523	0.555	-6.1	142	0.03
60	4-BROMOPHENYLPHENYLETHER	0.232	0.245	-5.6	143	0.02
61	HEXACHLOROBENZENE	0.254	0.255	-0.4	138	0.02
62 c,m	PENTACHLOROPHENOL	0.190	0.182	4.2	130	0.02
63	PHENANTHRENE	1.040	1.101	-5.9	141	0.02
64	ANTHRACENE	1.047	1.114	-6.4	143	0.02
65	CARBAZOLE	0.914	0.950	-3.9	141	0.02
66	DI-N-BUTYL PHTHALATE	1.539	1.563	-1.6	137	0.00
67 c	FLUORANTHENE	1.210	1.160	4.1	131	0.00
68	BENZIDINE	0.410	0.342	16.6	121	0.02
69 I	CHRYSENE-d12	1.000	1.000	0.0	127	0.00
70 m	PYRENE	1.416	1.557	-10.0	128	0.02
71 s	TERPHENYL-D14	0.952	0.995	-4.5	132	0.02
72	BUTYLBENZYL PHTHALATE	0.761	0.838	-10.1	131	0.00
73	3,3'-DICHLOROBENZIDINE	0.438	0.389	11.2	104	0.00
74	BENZO(A)ANTHRACENE	1.221	1.240	-1.6	124	0.00
75	BIS-2-ETHYLHEXYL PHTHALATE	0.966	1.034	-7.0	128	0.02
76	CHRYSENE	1.128	1.136	-0.7	124	0.00
77 I	PERYLENE-d12	1.000	1.000	0.0	109	0.00

#) = Out of Range

B2917.D TCLB8-30.M

Tue Sep 04 11:48:58 2001

MSD-A

Page 2

00977

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2662.D
 Acq On : 31 Jul 2010 1:06 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-64-G
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Mon Jul 30 07:40:23 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.378	0.364	3.7	58	-0.11
41	DIMETHYLPHTHALATE	1.244	1.238	0.5	62	-0.10
42	2,6-DINITROTOLUENE	0.323	0.333	-3.1	62	-0.11
43	ACENAPHTHYLENE	1.693	1.766	-4.3	65	-0.09
44	3-NITROANILINE	0.458	0.464	-1.3	60	-0.11
45 cm	ACENAPHTHENE	1.037	1.081	-4.2	64	-0.11
46 c	2,4-DINITROPHENOL	0.202	0.165	30.6	51	-0.12
47 cm	4-NITROPHENOL	0.131	0.098	25.2	53	-0.11
48	DIBENZOFURAN	1.575	1.684	-6.9	64	-0.11
49 m	2,4-DINITROTOLUENE	0.407	0.412	-1.2	62	-0.13
50	DIETHYL PHTHALATE	1.194	1.134	5.0	62	-0.12
51	FLUORENE	1.191	1.183	0.7	65	-0.12
52	4-CHLOROPHENYLPHENYLETHER	0.486	0.499	-2.7	62	-0.11
	AZOBENZENE	0.441	0.410	7.0	61	-0.12
	1,2-DIPHENYLHYDRAZINE	0.441	0.410	7.0	61	-0.12
55 S	2,4,6-TRIBROMOPHENOL	0.156	0.149	4.5	62	-0.12
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	64	-0.12
57	4-NITROANILINE	0.229	0.232	-1.3	55	-0.16
58	2-METHYL-4,6-DINITROPHENOL	0.178	0.176	1.1	58	-0.15
59 c	N-NITROSODIPHENYLAMINE	0.558	0.589	-5.6#	64	-0.12
60	4-BROMOPHENYLPHENYLETHER	0.213	0.224	-5.2	62	-0.12
61	HEXACHLOROBENZENE	0.237	0.256	-8.0	65	-0.12
62 cm	PENTACHLOROPHENOL	0.120	0.122	-1.7	60	-0.12
63	PHENANTHRENE	1.154	1.228	-6.4	66	-0.13
64	ANTHRACENE	1.101	1.159	-5.3	65	-0.13
65	CARBAZOLE	1.045	1.031	1.3	62	-0.13
66	DI-N-BUTYL PHTHALATE	1.452	1.540	-6.1	64	-0.12
67 c	FLUORANTHENE	1.106	1.149	-3.9	65	-0.14
68	BENZIDINE	0.246	0.228	7.3	51	-0.14
69 I	CHRYSENE-d12	1.000	1.000	0.0	70	-0.17
70 m	PYRENE	1.513	1.510	0.2	66	-0.15
71 S	TERPHENYL-D14	1.034	0.967	6.5	67	-0.14
72	BUTYLBENZYL PHTHALATE	0.861	0.869	-0.9	68	-0.15
73	3,3-DICHLOROBENZIDINE	0.378	0.459	3.1	69	-0.17
74	BENZO(A)ANTHRACENE	1.179	1.224	-3.8	70	-0.17
75	BIS-2-ETHYLHEXYL PHTHALATE	1.101	1.123	-2.0	68	-0.16
76	CHRYSENE	1.077	1.143	-6.1	72	-0.18
77 I	PERYLENE-d12	1.000	1.000	0.0	70	-0.21

#) = Out of Range

A2662.D TCLA7-27.M

Tue Jul 31 14:01:21 2001

MSD-A

02337

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2662.D
 Acq On : 31 Jul 2010 1:06 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-64-G
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Mon Jul 30 07:40:23 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 c	DI-N-OCTYL PHTHALATE	3.035	2.868	5.5	69	-0.18
79	BENZO(B) FLUORANTHENE	1.785	1.719	3.7	66	-0.20
80	BENZO(K) FLUORANTHENE	1.734	1.763	-1.7	75	-0.21
81 c	BENZO(A) PYRENE	1.510	1.590	-5.3	72	-0.21
82	INDENO(1,2,3-CD) PYRENE	1.042	1.498	-43.8#	96	-0.34
83	DIBENZO(A,H) ANTHRACENE	1.026	1.530	-49.1#	98	-0.34
84	BENZO(G,H,I) PERYLENE	0.988	1.532	-55.1#	114	-0.38

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2691.D
 Acq On : 2 Aug 2010 1:21 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-64-G
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Thu Aug 02 13:56:03 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	50	-0.20
2	PYRIDINE	0.998	0.899	9.9	41	-0.18
3	N-NITROSODIMETHYLAMINE	0.912	0.925	-1.4	47	-0.19
4 S	2-FLUOROPHENOL	1.428	1.391	2.6	46	-0.24
5 S	PHENOL-D5	1.759	1.637	6.9	44	-0.21
6	ANILINE	2.105	1.914	9.1	41	-0.22
7 cm	PHENOL	1.739	1.653	4.9	46	-0.21
8	BIS(2-CHLOROETHYLETHER)	1.378	1.383	-0.4	47	-0.20
9 m	2-CHLOROPHENOL	1.433	1.401	2.2	47	-0.20
10	1,3-DICHLOROBENZENE	1.638	1.706	-4.2	51	-0.19
11 cm	1,4-DICHLOROBENZENE	1.578	1.627	-3.1	50	-0.20
12	1,2-DICHLOROBENZENE	1.571	1.643	-4.6	51	-0.20
13	BENZYL ALCOHOL	0.949	0.875	7.8	39	-0.21
	2-METHYLPHENOL	1.321	1.159	12.3	43	-0.19
15	BIS(2-CHLOROISOPROPYLETHER)	2.064	1.922	6.9	43	-0.19
16 cm	N-NITROSODI-N-PROPYLAMINE	1.155	0.861	25.5	36	-0.21
17	HEXACHLOROETHANE	0.765	0.770	-0.7	49	-0.19
18	3/4-METHYLPHENOL	1.309	1.116	14.7	43	-0.21
19 I	NAPHTHALENE-d8	1.000	1.000	0.0	44	-0.20
20 S	NITROBENZENE-d5	0.402	0.388	3.5	42	-0.20
21	NITROBENZENE	0.430	0.433	-0.7	43	-0.21
22	ISOPHORONE	0.874	0.711	18.6	34	-0.21
23 c	2-NITROPHENOL	0.229	0.247	-7.9	44	-0.20
24	2,4-DIMETHYLPHENOL	0.394	0.350	11.2	38	-0.19
25	BIS(2-CHLOROETHOXYMETHANE)	0.455	0.452	0.7	41	-0.19
26 c	2,4-DICHLOROPHENOL	0.292	0.305	-4.5	42	-0.20
27	BENZOIC ACID	0.247	0.178	27.9#	31	-0.28
28 m	1,2,4-TRICHLOROBENZENE	0.346	0.381	-10.1	47	-0.19
29	NAPHTHALENE	1.066	1.110	-4.1	45	-0.20
30	4-CHLOROANILINE	0.470	0.412	12.3	36	-0.20
31 c	HEXACHLOROBUTADIENE	0.183	0.199	-8.7	46	-0.19
32 cm	4-CHLORO-3-METHYLPHENOL	0.331	0.280	15.4	36	-0.19
33	2-METHYLNAPHTHALENE	0.684	0.937	-37.0#	57	-0.19
34 I	ACENAPHTHENE-d10	1.000	1.000	0.0	41	-0.21
35 c	HEXACHLOROCYCLOPENTADIENE	0.298	0.388	16.5	43	-0.19
36 c	2,4,6-TRICHLOROPHENOL	0.332	0.360	-8.4	40	-0.20
7	2,4,5-TRICHLOROPHENOL	0.353	0.360	-2.0	38	-0.20
8 S	2-FLUOROBIPHENYL	1.304	1.299	0.4	41	-0.20
39	2-CHLORONAPHTHALENE	1.098	1.178	-7.3	41	-0.21

(#) = Out of Range

A2691.D TCLA7-27.M

Thu Aug 02 14:14:29 2001

MSD-A

02333

Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2691.D

Acq On : 2 Aug 2010 1:21 pm

Sample : 80 PPM 8270/TCL

Misc : 97-151-64-G

MS Integration Params: rteint.p

Vial: 2

Operator: CPW

Inst : MSD-A

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)

Title : 8270 BNA TARGET COMPOUNDS

Last Update : Thu Aug 02 13:56:03 2001

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.378	0.376	0.5	39	-0.22
41	DIMETHYLPHTHALATE	1.244	1.295	-4.1	42	-0.21
42	2,6-DINITROTOLUENE	0.323	0.332	-2.8	40	-0.21
43	ACENAPHTHYLENE	1.693	1.797	-6.1	43	-0.22
44	3-NITROANILINE	0.458	0.497	-8.5	42	-0.22
45 cm	ACENAPHTHENE	1.037	1.077	-3.9	41	-0.22
46 c	2,4-DINITROPHENOL	0.202	0.220	-8.9	44	-0.20
47 cm	4-NITROPHENOL	0.131	0.117	22.7 ~~10.7~~	41	-0.21
48	DIBENZOFURAN	1.575	1.791	-13.7	44	-0.22
49 m	2,4-DINITROTOLUENE	0.407	0.438	-7.6	43	-0.22
50	DIETHYL PHTHALATE	1.194	1.223	-2.4	43	-0.21
51	FLUORENE	1.191	1.281	-7.6	46	-0.21
52	4-CHLOROPHENYLPHENYLETHER	0.486	0.535	-10.1	43	-0.21
53	AZOBENZENE	0.441	0.418	5.2	40	-0.21
54	1,2-DIPHENYLHYDRAZINE	0.441	0.420	4.8	40	-0.21
55 S	2,4,6-TRIBROMOPHENOL	0.156	0.167	-7.1	46	-0.22
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	45	-0.22
57	4-NITROANILINE	0.229	0.275	-20.1#	46	-0.23
58	2-METHYL-4,6-DINITROPHENOL	0.178	0.196	-10.1	45	-0.22
59 c	N-NITROSODIPHENYLAMINE	0.558	0.608	-9.0#	47	-0.21
60	4-BROMOPHENYLPHENYLETHER	0.213	0.226	-6.1	44	-0.21
61	HEXACHLOROBENZENE	0.237	0.242	-2.1	43	-0.21
62 cm	PENTACHLOROPHENOL	0.120	0.135	-12.5	47	-0.22
63	PHENANTHRENE	1.154	1.243	-7.7	47	-0.22
64	ANTHRACENE	1.101	1.192	-8.3	47	-0.22
65	CARBAZOLE	1.045	1.231	-17.8	52	-0.22
66	DI-N-BUTYL PHTHALATE	1.452	1.631	-12.3	48	-0.21
67 c	FLUORANTHENE	1.106	1.272	-15.0	51	-0.23
68	BENZIDINE	0.246	0.216	12.2	34	-0.22
69 I	CHRYSENE-d12	1.000	1.000	0.0	60	-0.23
70 m	PYRENE	1.513	1.404	7.2	52	-0.23
71 S	TERPHENYL-D14	1.034	0.967	6.5	57	-0.22
72	BUTYLBENZYL PHTHALATE	0.861	0.825	4.2	55	-0.20
73	3,3-DICHLOROBENZIDINE	0.378	0.468	5.2 ~~23.8#~~	60	-0.22
74	BENZO(A)ANTHRACENE	1.179	1.246	-5.7	61	-0.22
75	BIS-2-ETHYLHEXYL PHTHALATE	1.101	1.092	0.8	56	-0.20
76	CHRYSENE	1.077	1.155	-7.2	62	-0.23
77 I	PERYLENE-d12	1.000	1.000	0.0	65	-0.23

(#)= Out of Range

A2691.D TCLA7-27.M

Thu Aug 02 14:14:34 2001

MSD-A

02340

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2691.D
 Acq On : 2 Aug 2010 1:21 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-64-G
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Thu Aug 02 13:56:03 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 C DI-N-OCTYL PHTHALATE	3.035	2.573	~~26.0~~ 15.2	58	-0.20
79 BENZO(B) FLUORANTHENE	1.785	1.734	2.9	62	-0.22
80 BENZO(K) FLUORANTHENE	1.734	1.695	2.2	67	-0.24
81 C BENZO(A) PYRENE	1.510	1.621	-7.4	68	-0.23
82 INDENO(1,2,3-CD) PYRENE	1.042	1.603	-53.8#	95	-0.28
83 DIBENZO(A,H) ANTHRACENE	1.026	1.621	-58.0#	97	-0.28
84 BENZO(G,H,I) PERYLENE	0.988	1.655	-67.5#	114	-0.30

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2705.D
 Acq On : 3 Aug 2010 1:07 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-64-G
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA7-27.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Mon Jul 30 07:43:56 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 C	DI-N-OCTYL PHTHALATE	3.035	3.337	-10.0	136	0.18
79	BENZO(B) FLUORANTHENE	1.785	2.054	-15.1	134	0.22
80	BENZO(K) FLUORANTHENE	1.734	1.816	-4.7	131	0.22
81 C	BENZO(A) PYRENE	1.510	1.631	-8.0	125	0.22
82	INDENO(1,2,3-CD) PYRENE	1.042	0.719	31.0#	78	0.36
83	DIBENZO(A,H) ANTHRACENE	1.026	0.754	26.5#	82	0.36
84	BENZO(G,H,I) PERYLENE	0.988	0.584	40.9#	73	0.40

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2739.D
 Acq On : 7 Aug 2010 3:41 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-C
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA8B06.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Fri Aug 10 10:53:19 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 c	DI-N-OCTYL PHTHALATE	3.329	3.088	7.2	102	-0.10
79	BENZO(B) FLUORANTHENE	2.067	2.001	3.2	116	-0.11
80	BENZO(K) FLUORANTHENE	1.916	1.865	2.7	115	-0.11
81 c	BENZO(A) PYRENE	1.743	1.755	-0.7	121	-0.11
82	INDENO(1,2,3-CD) PYRENE	1.132	1.388	-22.6#	157	-0.15
83	DIBENZO(A,H) ANTHRACENE	1.134	1.327	-17.0	152	-0.15
84	BENZO(G,H,I) PERYLENE	1.059	1.304	-23.1#	168	-0.16

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2762.D
 Acq On : 9 Aug 2010 12:58 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-C
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA8B06.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Fri Aug 10 10:53:19 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 c	DI-N-OCTYL PHTHALATE	3.329	3.916	-17.6	142	0.02
79	BENZO(B) FLUORANTHENE	2.067	2.205	-6.7	140	0.03
80	BENZO(K) FLUORANTHENE	1.916	2.078	-8.5	141	0.03
81 c	BENZO(A) PYRENE	1.743	1.804	-3.5	137	0.03
82	INDENO(1,2,3-CD) PYRENE	1.132	0.910	19.6	113	0.02
83	DIBENZO(A,H) ANTHRACENE	1.134	0.895	21.1	113	0.02
84	BENZO(G,H,I) PERYLENE	1.059	0.764	13.3	108	0.01

02359

(#) = Out of Range

A2762.D TCLA8B06.M

SPCC's out = 0 CCC's out = 1

Fri Aug 10 12:39:12 2001

MSD-A

Page 3

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2779.D

Acq On : 13 Aug 2010 7:52 am

Sample : 80 PPM 8270/TCL

Misc : 97-151-65-C

MS Integration Params: rteint.p

Vial: 2

Operator: CPW

Inst : MSD-A

Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA8B06.M (RTE Integrator)

Title : 8270 BNA TARGET COMPOUNDS

Last Update : Fri Aug 10 10:53:19 2001

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.380	0.437	-15.0	78	0.14
41	DIMETHYLPHTHALATE	1.382	1.426	-3.2	76	0.15
42	2,6-DINITROTOLUENE	0.349	0.367	-5.2	75	0.14
43	ACENAPHTHYLENE	1.896	1.936	-2.1	78	0.15
44	3-NITROANILINE	0.474	0.523	-10.3	76	0.14
45 cm	ACENAPHTHENE	1.153	1.165	-1.0	74	0.15
46 c	2,4-DINITROPHENOL	0.249	0.206	~~23.6~~ 17.3	57	0.15
47 cm	4-NITROPHENOL	0.152	0.143	5.9	67	0.11
48	DIBENZOFURAN	1.740	1.728	0.7	74	0.16
49 m	2,4-DINITROTOLUENE	0.458	0.470	-2.6	72	0.15
50	DIETHYL PHTHALATE	1.366	1.319	3.4	71	0.14
51	FLUORENE	1.382	1.294	6.4	69	0.16
52	4-CHLOROPHENYLPHENYLETHER	0.558	0.574	-2.9	75	0.15
53	AZOBENZENE	0.454	0.488	-7.5	79	0.16
54	1,2-DIPHENYLHYDRAZINE	0.454	0.488	-7.5	79	0.16
55 S	2,4,6-TRIBROMOPHENOL	0.178	0.173	2.8	67	0.16
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	72	0.17
57	4-NITROANILINE	0.259	0.278	-7.3	71	0.12
58	2-METHYL-4,6-DINITROPHENOL	0.200	0.197	1.5	68	0.14
59 c	N-NITROSODIPHENYLAMINE	0.598	0.601	-0.5	72	0.15
60	4-BROMOPHENYLPHENYLETHER	0.228	0.229	-0.4	70	0.16
61	HEXACHLOROBENZENE	0.244	0.252	-3.3	72	0.16
62 cm	PENTACHLOROPHENOL	0.147	0.121	~~21.1~~ 17.7	55	0.16
63	PHENANTHRENE	1.273	1.272	0.1	70	0.17
64	ANTHRACENE	1.304	1.301	0.2	70	0.17
65	CARBAZOLE	1.252	1.217	2.8	67	0.16
66	DI-N-BUTYL PHTHALATE	1.631	1.617	0.9	69	0.15
67 c	FLUORANTHENE	1.244	1.278	-2.7	71	0.18
68	BENZIDINE	0.480	0.483	-0.6	69	0.17
69 I	CHRYSENE-d12	1.000	1.000	0.0	66	0.19
70 m	PYRENE	1.497	1.644	-9.8	70	0.17
71 S	TERPHENYL-D14	1.083	1.058	2.3	66	0.17
72	BUTYLBENZYL PHTHALATE	0.872	0.948	-8.7	67	0.17
73	3,3-DICHLOROBENZIDINE	0.471	0.503	-6.8	65	0.19
74	BENZO(A)ANTHRACENE	1.314	1.333	-1.4	64	0.20
75	BIS-2-ETHYLHEXYL PHTHALATE	1.145	1.219	-6.5	66	0.18
76	CHRYSENE	1.187	1.191	-0.3	65	0.19
77 I	PERYLENE-d12	1.000	1.000	0.0	88	0.23

#) = Out of Range

A2779.D TCLA8B06.M

Mon Aug 13 08:57:02 2001

MSD-A

02364

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\A2779.D
 Acq On : 13 Aug 2010 7:52 am
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-C
 MS Integration Params: rteint.p

Vial: 2
 Operator: CPW
 Inst : MSD-A
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA8B06.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Fri Aug 10 10:53:19 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 c	DI-N-OCTYL PHTHALATE	3.329	2.880	~~25.3~~	66	0.18
79	BENZO(B) FLUORANTHENE	2.067	1.827	11.6	74	0.21
80	BENZO(K) FLUORANTHENE	1.916	1.778	7.2	77	0.21
81 c	BENZO(A) PYRENE	1.743	1.666	4.4	80	0.22
82	INDENO(1,2,3-CD) PYRENE	1.132	1.452	-28.3#	115	0.36
83	DIBENZO(A,H) ANTHRACENE	1.134	1.391	-22.7#	112	0.35
84	BENZO(G,H,I) PERYLENE	1.059	1.382	~~56.8~~ -30.5#	124	0.39

(#) = Out of Range

A2779.D TCLA8B06.M

SPCC's out = 0 CCC's out = 1

Mon Aug 13 08:57:03 2001

MSD-A

02365

Page 3

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\B2675.D
 Acq On : 7 Aug 2010 3:30 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-C
 MS Integration Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-07.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Wed Aug 08 07:23:00 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	2-NITROANILINE	0.426	0.421	1.2	79	-0.01
41	DIMETHYL PHTHALATE	1.624	1.537	5.4	79	-0.01
42	2,6-DINITROTOLUENE	0.360	0.356	1.1	77	0.00
43	ACENAPHTHYLENE	1.929	2.025	-5.0	88	-0.01
44	3-NITROANILINE	0.369	0.324	12.2	69	-0.02
45 c,m	ACENAPHTHENE	1.229	1.276	-3.8	87	0.00
46 c	2,4-DINITROPHENOL	0.273	0.209	31.7	23.4	62
47 c,m	4-NITROPHENOL	0.282	0.224	20.8	20.6	65
48	DIBENZOFURAN	1.840	1.832	0.4	83	-0.01
49 m	2,4-DINITROTOLUENE	0.524	0.445	15.1	66	-0.02
50	DIETHYL PHTHALATE	1.694	1.497	11.6	72	-0.01
51	FLUORENE	1.395	1.314	5.8	78	-0.01
52	4-CHLOROPHENYLPHENYLETHER	0.703	0.681	3.1	80	0.00
	AZOBENZENE	0.502	0.476	5.2	77	0.00
54	1,2-DIPHENYLHYDRAZINE	0.503	0.476	5.4	77	0.00
55 S	2,4,6-TRIBROMOPHENOL	0.246	0.222	9.8	70	-0.01
56 I	PHENANTHRENE-d10	1.000	1.000	0.0	63	0.00
57	4-NITROANILINE	0.228	0.225	1.3	57	-0.04
58	2-METHYL-4,6-DINITROPHENOL	0.216	0.208	3.7	57	-0.02
59 c	N-NITROSODIPHENYLAMINE	0.604	0.690	-14.2	72	-0.01
60	4-BROMOPHENYLPHENYLETHER	0.268	0.317	-18.3	74	0.00
61	HEXACHLOROBENZENE	0.274	0.302	-10.2	70	-0.01
62 c,m	PENTACHLOROPHENOL	0.191	0.191	0.0	60	-0.01
63	PHENANTHRENE	1.228	1.279	-4.2	64	-0.01
64	ANTHRACENE	1.255	1.291	-2.9	62	-0.01
65	CARBAZOLE	1.157	1.091	5.7	56	-0.01
66	DI-N-BUTYL PHTHALATE	1.699	1.626	4.3	56	0.00
67 c	FLUORANTHENE	1.294	1.211	6.4	56	-0.02
68	BENZIDINE	0.611	0.526	13.9	51	-0.02
69 I	CHRYSENE-d12	1.000	1.000	0.0	61	-0.02
70 m	PYRENE	1.621	1.647	-1.6	56	-0.02
71 s	TERPHENYL-D14	1.249	1.199	4.0	55	-0.02
72	BUTYLBENZYL PHTHALATE	0.917	0.949	-3.5	58	-0.02
73	3,3'-DICHLOROBENZIDINE	0.494	0.515	-4.3	61	-0.02
74	BENZO(A)ANTHRACENE	1.374	1.448	-5.4	63	-0.02
75	BIS-2-ETHYLHEXYL PHTHALATE	1.156	1.200	-3.8	59	0.00
	CHRYSENE	1.328	1.367	-2.9	61	-0.02
77 I	PERYLENE-d12	1.000	1.000	0.0	56	-0.03

(#) = Out of Range

B2675.D TCLB8-07.M

Wed Aug 08 07:55:55 2001

MSD-A

02367

Page 2

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\B2721.D
 Acq On : 10 Aug 2010 3:19 pm
 Sample : 80 PPM 8270/TCL
 Misc : 97-151-65-C
 MS Integration Params: RTEINT2.P

Vial: 2
 Operator: CPW
 Inst : MSD-B
 Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\TCLB8-10.M (RTE Integrator)
 Title : 8270 BNA TARGET COMPOUNDS
 Last Update : Fri Aug 10 14:26:56 2001
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 c	DI-N-OCTYL PHTHALATE	3.271	3.049	~~20.66~~	63	0.06
79	BENZO(B) FLUORANTHENE	2.136	2.040	4.5	67	0.07
80	BENZO(K) FLUORANTHENE	1.954	1.851	5.3	68	0.07
81 c	BENZO(A) PYRENE	1.716	1.764	~~2.8~~	72	0.07
82	INDENO(1,2,3-CD) PYRENE	1.003	1.295	-29.1#	104	0.14
83	DIBENZO(A,H) ANTHRACENE	0.915	1.251	-36.7#	104	0.14
84	BENZO(G,H,I) PERYLENE	0.893	1.180	-32.1#	112	0.17

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): C6059.D Date Analyzed: 08/15/01
 Instrument ID: MSD-C Time Analyzed: 12:25
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	5366591	7.83	7066835	9.20	6031761	14.93
UPPER LIMIT	10733182	8.33	14133670	9.70	12063522	15.43
LOWER LIMIT	2683296	7.33	3533418	8.70	3015881	14.43
NYSDEC SAMPLE NO.						
01 VBLKC2	1964026 *	7.81	3847245	9.18	5581223	14.93
02 SS-9 RE	2624747 *	7.83	3404374 *	9.19	1820417 *	14.93
03 SS-12	2987786	7.83	3350301 *	9.19	1987799 *	14.93
04 SS-3 RE	2098080 *	7.83	2769921 *	9.19	1293005 *	14.93
05 SS-7 RE	3166087	7.82	4274642	9.19	2650659 *	14.94
06 SS-2	3550635	7.83	4779961	9.19	2898889 *	14.93
07 SS-13	2858450	7.82	3481308 *	9.18	2230759 *	14.92
08 SS-11	2931187	7.80	3862892	9.18	2285272 *	14.92
09 VBLKC2MS	5544479	7.81	7210147	9.18	5993844	14.92
10 SS-11 MS	3022623	7.81	4038499	9.18	2538184 *	14.91
11 SS-11 MSD	3503713	7.80	4390094	9.17	3011408 *	14.91

21%

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): C6059.D Date Analyzed: 08/15/01
 Instrument ID: MSD-C Time Analyzed: 12:25
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS4 ~~3~~					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	3842409	19.75				
UPPER LIMIT	7684818	20.25				
LOWER LIMIT	1921205	19.25				
NYSDEC SAMPLE NO.						
01 VBLKC2	4074478	19.75				
02 SS-9 RE	646308*	19.75				
03 SS-12	687472*	19.75				
04 SS-3 RE	379985*	19.74				
05 SS-7 RE	1113071*	19.74				
06 SS-2	1114311*	19.74				
07 SS-13	880638*	19.74				
08 SS-11	874414*	19.74				
09 VBLKC2MS	3681539	19.73				
10 SS-11 MS	1033085*	19.72				
11 SS-11 MSD	1233788*	19.72				

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): C6169.D Date Analyzed: 08/28/01
 Instrument ID: MSD-C Time Analyzed: 14:37
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	4203237	8.02	6031686	9.40	5069512	15.16
UPPER LIMIT	8406474	8.52	12063372	9.90	10139024	15.66
LOWER LIMIT	2101619	7.52	3015843	8.90	2534756	14.66
NYSDEC SAMPLE NO.						
01 VBLKC5	5174548	8.03	6482795	9.40	5584934	15.14
02 SS-3	855753 *	8.03	1164458 *	9.40	476158 *	15.14
03 SS-7	2162977	8.03	3025637	9.40	1627784 *	15.14
04 VBLKC5MS	3708416	8.00	4999389	9.38	4216251	15.13

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): C6169.D Date Analyzed: 08/28/01
 Instrument ID: MSD-C Time Analyzed: 14:37
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS43 AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	3248738	19.94				
UPPER LIMIT	6497476	20.44				
LOWER LIMIT	1624369	19.44				
NYSDEC SAMPLE NO.						
01 VBLKC5	3270423	19.93				
02 SS-3	122351 *	19.93				
03 SS-7	552508 *	19.93				
04 VBLKC5MS	2689205	19.91				

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR

	NYSDEC SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	SBLK78	79	81	86	26	40	63	0
02	SBLK78MS	67	70	74	25	38	68	0
03	MW-1	48	53	45	27	41	58	0
04	MW-2	33*	38*	34	19	26	40	2
05	MW-4	23*	23*	20*	28	42	66	3
06	MW-5	32*	16*	22*	32	41	44	3
07	MW-6	27*	31*	34	19	10*	1398*	4
08	MW-4 MS	21*	18*	18*	27	37	84	3
09	MW-4 MSD	41	36*	34	26	36	79	1
10	MW-3	28*	25*	27*	24	32	43	3
11	MW-5 DL	43	26D	33D	36	39	79	0.2
12	MW-6 DL	67	42D	44	30	31	56	0.1
13	MW-7	17D	20D	21D	23	32	41	0.3
14	MW-7 DL	12D	19D	26D	25	29	37	0.2
15	MW-8	30*	34*	48	36	48	45	2

gal
3/27/00

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
S2 (FBP) = 2-Fluorobiphenyl (43-116)
S3 (TPH) = Terphenyl-d14 (33-141)
S4 (PHL) = Phenol-d5 (10-110)
S5 (2FP) = 2-Fluorophenol (21-110)
S6 (TBP) = 2,4,6-Tribromophenol (10-123)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2691.D Date Analyzed: 08/02/01
 Instrument ID: MSD-A Time Analyzed: 13:21

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1040950	24.60	959358	32.90	766727	37.01
UPPER LIMIT	2081900	25.10	1918716	33.40	1533454	37.51
LOWER LIMIT	520475	24.10	479679	32.40	383364	36.51
NYSDEC SAMPLE NO.						
01 SBLK67	879828	24.58	749618	32.87	569377	37.00
02 SBLK67MS	1014058	24.59	895238	32.88	669806	37.00
03 MW-5	507776*	24.69	1001782	32.92	737762	37.02
04 SB-8	1290972	24.61	1000226	32.90	789832	37.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2705.D Date Analyzed: 08/03/01
 Instrument ID: MSD-A Time Analyzed: 13:07

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2621791	24.93	2269327	33.30	1398344	37.47
UPPER LIMIT	5243582	25.43	4538654	33.80	2796688	37.97
LOWER LIMIT	1310896	24.43	1134664	32.80	699172	36.97
NYSDEC SAMPLE NO.						
01 SBLK68	1614785	24.90	1333533	33.26	960348	37.44
02 SBLK68MS	2516142	24.94	2055450	33.29	1559117	37.46
03 SB-10	2311870	24.92	1884916	33.28	1349894	37.45
04 MW-5 DL	2395687	24.93	1660631	33.28	600167*	37.44
05 MW-7 DL1	2226458	24.95	1602415	33.30	494055*	37.46
06 SS-1 DL	1992276	24.93	1192801	33.28	303418*	37.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2739.D Date Analyzed: 08/07/01
 Instrument ID: MSD-A Time Analyzed: 15:41

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2434824	24.62	2062968	32.94	1456681	37.07
UPPER LIMIT	4869648	25.12	4125932	33.44	2913362	37.57
LOWER LIMIT	1217412	24.12	1031483	32.44	728341	36.57
NYSDEC SAMPLE NO.						
01 SS-10 DL	2307109	24.60	1714395	32.92	543006*	37.05

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2753.D Date Analyzed: 08/08/01
 Instrument ID: MSD-A Time Analyzed: 11:19

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2449185	24.70	1770605	33.03	1325032	37.17
UPPER LIMIT	4898370	25.20	3541210	33.53	2650064	37.67
LOWER LIMIT	1224593	24.20	885303	32.53	662516	36.67
NYSDEC SAMPLE NO.						
01 SS-6 RE	2013504	24.69	715754 *	33.00	223651 *	37.15
02 SS-2 RE	2130044	24.69	697072 *	33.00	203097 *	37.15
03 SS-8 RE	2090097	24.69	644481 *	32.99	225283 *	37.15
04 SS-9 RE	2147321	24.69	515872 *	33.00	189572 *	37.16

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2762.D Date Analyzed: 08/09/01
 Instrument ID: MSD-A Time Analyzed: 12:58

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12-HOUR STD	3470612	24.73	2773243	33.07	1601456	37.21
UPPER LIMIT	6941224	25.23	5546486	33.57	3202912	37.71
LOWER LIMIT	1735306	24.23	1386622	32.57	800728	36.71
NYSDEC SAMPLE NO.						
01 SS-12	2709848	24.70	2018487	33.03	606376*	37.18
02 SS-6	3684427	24.71	1356282*	33.04	358846*	37.19
03 SS-2	2860581	24.71	916494*	33.03	266314*	37.19
04 SS-8	2959896	24.71	829625*	33.03	300321*	37.19
05 SS-9	3349824	24.71	689392*	33.04	296586*	37.21
06 SS-7 RE	2525621	24.72	453178*	33.05	181220*	37.22

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2772.D Date Analyzed: 08/10/01
 Instrument ID: MSD-A Time Analyzed: 10:15

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2305558	24.52	2070957	32.84	1377866	36.96
UPPER LIMIT	4611116	25.02	4141914	33.34	2755732	37.46
LOWER LIMIT	1152779	24.02	1035479	32.34	688933	36.46
NYSDEC SAMPLE NO.						
01 SS-11	2674499	24.51	1801404	32.81	474206*	36.93
02 SS-4 RE	2590354	24.51	727479*	32.80	243127*	36.94
03 SS-11 MS	3114915	24.52	937430*	32.81	259312*	36.95

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

01227

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): A2779.D Date Analyzed: 08/13/01
 Instrument ID: MSD-A Time Analyzed: 07:52

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1666261	24.88	1305230	33.25	1018080	37.41
UPPER LIMIT	3332522	25.38	2610460	33.75	2036160	37.91
LOWER LIMIT	833131	24.38	652615	32.75	509040	36.91
NYSDEC SAMPLE NO.						
01 SS-4	2165098	24.88	791153	33.24	258111*	37.42
02 SS-11 MSD	2607958	24.90	1097701	33.25	278240*	37.42
03 SS-3	2842921	24.89	456718*	33.24	168443*	37.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): B2675.D Date Analyzed: 08/07/01
 Instrument ID: MSD-B Time Analyzed: 15:30

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	681114	27.13	500329	35.62	329401	40.17
UPPER LIMIT	1362228	27.63	1000658	36.12	658802	40.67
LOWER LIMIT	340557	26.63	250165	35.12	164701	39.67
NYSDEC SAMPLE NO.						
01 SS-5 RE	1211813	27.13	606105	35.63	149338*	40.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

01231

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): B2689.D Date Analyzed: 08/08/01
 Instrument ID: MSD-B Time Analyzed: 14:51

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1177883	27.11	957405	35.61	683967	40.16
UPPER LIMIT	2355766	27.61	1914810	36.11	1367934	40.66
LOWER LIMIT	588942	26.61	478703	35.11	341984	39.66
NYSDEC SAMPLE NO.						
01 SS-13 RE	846270	27.10	427807*	35.58	686*	40.12
02 SS-12 RE	893361	27.09	458118*	35.58	134351*	40.13
03 SB-6 DLRE	863317	27.12	495695	35.58	149196*	40.13
04 SS-3 RE	744814	27.11	109628*	35.58	37496*	40.14

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

01233

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: _____
 Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: FILLMOR
 Lab File ID (Standard): B2721.D Date Analyzed: 08/10/01
 Instrument ID: MSD-B Time Analyzed: 15:19

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	847813	27.14	826719	35.61	543409	40.13
UPPER LIMIT	1695626	27.64	1653438	36.11	1086818	40.63
LOWER LIMIT	423907	26.64	413360	35.11	271705	39.63
NYSDEC SAMPLE NO.						
01 SS-13	681079	27.20	533096	35.65	14374*	40.16
02 SS-5	689100	27.21	428136	35.67	165288*	40.20
03 SB-6 DL	671544	27.23	589453	35.67	222004*	40.19
04 SS-7	697188	27.22	338471*	35.66	146484*	40.20
05 SS-1	683842	27.22	200751*	35.67	109965*	40.21

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

01235

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: URS279

GC Column(1): RTX-CLPESTICIDES 2 ID: 0.32 (mm)

ear 3/26/02

	EPA SAMPLE NO.	TCX %REC #	DCB %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
01	MB49	83	94					0
02	QC49	75	87					0
MW-1 03	L74279-1	44	~~250~~					1-0
MW-2 04	L74279-3	41	~~200~~					1-0
MW-3 05	L74279-5	~~78~~	38					0
MW-4 06	L74279-7	~~270~~	~~190~~					2-0
07	L74279-7MS	40	~~280~~					1-0
08	L74279-7MSD	36	~~230~~					1-0
MW-5 09	L74279-13	41	31					0
MW-6 10	L74279-15	~~260~~	~~200~~					2-0
MW-7 11	L74279-17	48	~~32~~					0
MW-8 12	L74279-19	40	~~220~~					1-0
MW-9 13	L74279-13DL	~~300~~	20D					1-0
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

ear 3/26/02

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene

(30-150)

S2 (DCB) = Decachlorobiphenyl

(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC.

Contract:

Lab Code: 10252

Case No.:

SDG No.: FILLMORE

Matrix (soil/water): SOIL

Level (low/med) :LOW

% Solids for Sample: 88.2

Concentration Units: MG/KG

Comments:

SAMPLE NO.

Contract: _____

SDG No. : FILLMORE

Level (low/med) : LOW__

[illegible]

ICP SERIAL DILUTIONS

SS-12 (0-6") L

ab Name: FRIEND LABORATORY, INC._____

Contract:_____

Lab Code: 10252 Case No.:

SDG No. : FILLMORE

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units:UG/L

[illegible]

ICP SERIAL DILUTIONS

SAMPLE NO.

SS-3 (0-6") L

Lab Name: FRIEND LABORATORY, INC.____

Contract:_____

Lab Code: 10252 Case No.:_____

SDG No.: FILLMORE

Matrix (soil/water): SOIL____

Level (low/med): LOW____

Concentration Units: UG/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium	807.38		791.55	B	2.0		P
Beryllium							NR
Cadmium	15.23		31.16		104.6		P
Calcium							NR
Chromium	305.97		259.46		15.2		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	2574.33		2433.71		5.5		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver	6.00	U	30.00	U			P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Boron							NR
Hexachromium							NR

PREPARATION LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252 Case No.: _____

SDG No.: FILLMORE

Method: P__

Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS 638	08/09/01	0.5140	100
MW-5 (8-9)	08/09/01	1.0600	100
MW-7 (9-11)	08/09/01	1.1200	100
PBS 638	08/09/01	1.0000	100
RB-1	08/09/01		100
RB-2	08/09/01		100
SB-10 (6-8)	08/09/01	1.0400	100
SB-6 (10-12)	08/09/01	1.0700	100
SB-8 (9-11)	08/09/01	1.2600	100
SB-9 (6-8)	08/09/01	1.1500	100
SB-9 (6-8) D	08/09/01	1.2300	100
SB-9 (6-8) S	08/09/01	1.2100	100
SS-1 (0-6")	08/09/01	1.0600	100
SS-10 (0-6")	08/09/01	1.1800	100
SS-11 (0-6")	08/09/01	1.0300	100
SS-11 (0-6") D	08/09/01	1.0400	100
SS-11 (0-6") S	08/09/01	1.0100	100
SS-12 (0-6")	08/09/01	1.1500	100
SS-13 (0-6")	08/09/01	1.0300	100
SS-2 (0-6")	08/09/01	1.1100	100
SS-3 (0-6")	08/09/01	1.0300	100
SS-4 (0-6")	08/09/01	1.0800	100
SS-5 (0-6")	08/09/01	1.0400	100
SS-6 (0-6")	08/09/01	1.0300	100
SS-7 (0-6")	08/09/01	1.0200	100
SS-8 (0-6")	08/09/01	1.0400	100
SS-9 (0-6")	08/09/01	1.0600	100

PREPARATION LOG

Lab Name: FRIEND LABORATORY, INC..

Contract: _____

Lab Code: 10252__ Case No.: _____

SDG No.: FILLMORE

Method: F__

Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS 639	08/09/01	0.5150	100
MW-5 (8-9)	08/09/01	1.0200	100
MW-7 (9-11)	08/09/01	1.0200	100
PBS 639	08/09/01	1.0000	100
RB-1	08/09/01		100
RB-2	08/09/01		100
SB-10 (6-8)	08/09/01	1.0200	100
SB-6 (10-12)	08/09/01	1.1300	100
SB-8 (9-11)	08/09/01	1.0700	100
SB-9 (6-8)	08/09/01	1.2700	100
SB-9 (6-8) D	08/09/01	1.2500	100
SB-9 (6-8) S	08/09/01	1.1200	100
SS-1 (0-6")	08/09/01	1.0200	100
SS-10 (0-6")	08/09/01	1.0400	100
SS-11 (0-6")	08/09/01	1.0900	100
SS-11 (0-6") D	08/09/01	1.0700	100
SS-11 (0-6") S	08/09/01	1.0700	100
SS-12 (0-6")	08/09/01	1.0800	100
SS-13 (0-6")	08/09/01	1.0300	100
SS-2 (0-6")	08/09/01	1.0500	100
SS-3 (0-6")	08/09/01	1.0500	100
SS-4 (0-6")	08/09/01	1.0200	100
SS-5 (0-6")	08/09/01	1.0700	100
SS-6 (0-6")	08/09/01	1.1600	100
SS-7 (0-6")	08/09/01	1.1600	100
SS-8 (0-6")	08/09/01	1.0300	100
SS-9 (0-6")	08/09/01	1.0500	100

PREPARATION LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252__ Case No.: _____

SDG No.: FILLMORE

Method: CV_

Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS 7	08/06/01	0.0500	50
LCSS 8	08/06/01	0.0490	50
MW-5 (8-9)	08/06/01	0.2000	50
MW-7 (9-11)	08/06/01	0.1840	50
PBS 7	08/06/01	0.2000	50
PBS 8	08/06/01	0.2000	50
RB-1	08/06/01		50
RB-2	08/06/01		50
SB-10 (6-8)	08/06/01	0.2280	50
SB-6 (10-12)	08/06/01	0.2440	50
SB-8 (9-11)	08/06/01	0.2760	50
SB-9 (6-8)	08/06/01	0.1860	50
SB-9 (6-8) D	08/06/01	0.2140	50
SB-9 (6-8) S	08/06/01	0.2100	50
SS-1 (0-6")	08/06/01	0.2100	50
SS-10 (0-6")	08/06/01	0.2000	50
SS-11 (0-6")	08/06/01	0.2130	50
SS-11 (0-6") D	08/06/01	0.2150	50
SS-11 (0-6") S	08/06/01	0.2100	50
SS-12 (0-6")	08/06/01	0.2300	50
SS-13 (0-6")	08/06/01	0.2130	50
SS-2 (0-6")	08/06/01	0.2380	50
SS-3 (0-6")	08/06/01	0.2240	50
SS-4 (0-6")	08/06/01	0.2720	50
SS-5 (0-6")	08/06/01	0.2160	50
SS-6 (0-6")	08/06/01	0.1940	50
SS-7 (0-6")	08/06/01	0.1980	50
SS-8 (0-6")	08/06/01	0.2360	50
SS-9 (0-6")	08/06/01	0.2270	50

CRDL STANDARD FOR AA AND ICP

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252 Case No.: _____

SDG No.: FILLMORE _____

AA CRDL Standard Source: BAKER _____

ICP CRDL Standard Source: IV CRA 1-3 _____

Concentration Units: UG/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic	10.0	9.89	98.9					
Barium								
Beryllium								
Cadmium				10.0	13.80	138.0	12.70	127.0
Calcium								
Chromium				20.0	19.50	97.5	20.40	102.0
Cobalt								
Copper								
Iron								
Lead	3.0	2.80	93.3					
Magnesium								
Manganese								
Mercury	0.2	0.20	100.0					
Nickel								
Potassium								
Selenium	5.0	5.00	100.0					
Silver				20.0	23.00	115.0	19.90	99.5
Sodium								
Thallium								
Vanadium								
Zinc								
Boron								
Hexachromium								

Control Limits: no limits have been established at this time

FORM II (PART 2) - IN

01310

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL _____

Method: P _____

Start Date: 08/22/01

End Date: 08/22/01

Sample No.	D/F	Time	% R	Analytes																							
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z	B	C
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	R	6
ZZZZZZ	1.00	1042																									
ZZZZZZ	1.00	1045																									
ZZZZZZ	1.00	1048																									
ZZZZZZ	1.00	1051																									
ZZZZZZ	1.00	1106																									
S	1.00	1119					X	X	X												X						
S	1.00	1122					X	X	X												X						
S	1.00	1125					X	X	X												X						
S	1.00	1128					X	X	X												X						
ZZZZZZ	1.00	1131																									
ICV	1.00	1134					X	X	X												X						
CCV1	1.00	1137					X	X	X												X						
CB	1.00	1140					X	X	X												X						
RII	1.00	1143						X	X												X						
ICSAI	1.00	1146																									
ICSABI	1.00	1149					X	X	X												X						
ICSCI	1.00	1151					X	X	X												X						
ICSCDI	1.00	1154					X	X	X												X						
ICSEI	1.00	1157					X	X	X												X						
ICSEFI	1.00	1200					X	X	X												X						
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1206																									
CCV2	1.00	1209					X	X	X												X						
CCB2	1.00	1212					X	X	X												X						
ZZZZZZ	1.00	1215																									
PBW_667	1.00	1218					X	X	X												X						
PBWS_667	1.00	1221					X	X	X												X						
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1227																									
ZZZZZZ	1.00	1229																									
ZZZZZZ	1.00	1232																									
ZZZZZZ	1.00	1235																									

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL _____

Method: P_

Start Date: 08/22/01

End Date: 08/22/01

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K I	S E	A G	A L	T L	V N	Z N	B N	C R 6			
ZZZZZZ	1.00	1238																													
ZZZZZZ	1.00	1241																													
ZZZZZZ	1.00	1244																													
CCV3	1.00	1247				X		X		X											X										
CCB3	1.00	1250				X		X		X											X										
ZZZZZZ	1.00	1253																													
ZZZZZZ	1.00	1256																													
ZZZZZZ	1.00	1259																													
ZZZZZZ	1.00	1302																													
ZZZZZZ	1.00	1305																													
ZZZZZZ	1.00	1308																													
ZZZZZZ	1.00	1311																													
ZZZZZZ	1.00	1314																													
ZZZZZZ	1.00	1317																													
ZZZZZZ	1.00	1319																													
ZZZZZZ	1.00	1322																													
ZZZZZZ	1.00	1325																													
ZZZZZZ	1.00	1328																													
ZZZZZZ	1.00	1331																													
ZZZZZZ	1.00	1334																													
ZZZZZZ	1.00	1337																													
ZZZZZZ	1.00	1340																													
ZZZZZZ	1.00	1343																													
ZZZZZZ	1.00	1346																													
ZZZZZZ	1.00	1349																													
ZZZZZZ	1.00	1352																													
ZZZZZZ	1.00	1355																													
ZZZZZZ	1.00	1358																													
ZZZZZZ	1.00	1401																													
ZZZZZZ	1.00	1404																													
ZZZZZZ	1.00	1407																													
ZZZZZZ	1.00	1410																													

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL 5 IDL _____

Method: P _____

Start Date: 08/22/01

End Date: 08/22/01

Sample No.	D/F	Time	% R	Analytes																													
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K I	S E	A G	A L	T V	Z N	B N	C R 6						
ZZZZZZ	1.00	1412																															
ZZZZZZ	1.00	1415																															
ZZZZZZ	1.00	1418																															
S	1.00	1422					X	X	X											X													
S	1.00	1425					X	X	X											X													
S	1.00	1428					X	X	X											X													
S	1.00	1431					X	X	X											X													
CCV4	1.00	1435					X	X	X											X													
CCB4	1.00	1438					X	X	X											X													
ZZZZZZ	1.00	1441																		X													
ZZZZZZ	1.00	1444																															
ZZZZZZ	1.00	1447																															
ZZZZZZ	1.00	1450																															
ZZZZZZ	1.00	1452																															
ZZZZZZ	1.00	1455																															
ZZZZZZ	1.00	1458																															
ZZZZZZ	1.00	1501																															
ZZZZZZ	1.00	1504																															
ZZZZZZ	1.00	1507																															
ZZZZZZ	1.00	1510																															
ZZZZZZ	1.00	1513																															
ZZZZZZ	1.00	1516																															
ZZZZZZ	1.00	1519																															
ZZZZZZ	1.00	1522																															
ZZZZZZ	1.00	1525																															
ZZZZZZ	1.00	1528																															
ZZZZZZ	1.00	1531																															
ZZZZZZ	1.00	1534																															
ZZZZZZ	1.00	1537																															
ZZZZZZ	1.00	1540																															
ZZZZZZ	1.00	1543																															
ZZZZZZ	1.00	1545																															

FORM XIV - IN

01342

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL _____

Method: P _____

Start Date: 08/22/01

End Date: 08/22/01

Sample No.	D/F	Time	% R	Analytes																							
				A	S	A	B	B	C	C	C	C	F	P	M	H	N	K	S	A	N	T	V	Z	B	C	C
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N	R	6
ZZZZZZ	1.00	1548																									
CCV6	1.00	1551					X		X	X										X							
CCB6	1.00	1554					X		X	X										X							
ZZZZZZ	1.00	1557																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1603																									
ZZZZZZ	1.00	1606																									
ZZZZZZ	1.00	1609																									
ZZZZZZ	1.00	1612																									
ZZZZZZ	1.00	1615																									
ZZZZZZ	1.00	1618																									
ZZZZZZ	1.00	1621																									
MW-1	1.00	1624					X		X	X										X							
MW-1 DISSOLVED	1.00	1627					X		X	X										X							
CCV7	1.00	1630					X		X	X										X							
CCB7	1.00	1633					X		X	X										X							
MW-2	1.00	1636					X		X	X										X							
MW-2 DISSOLVED	1.00	1639					X		X	X										X							
MW-3	1.00	1642					X		X	X										X							
MW-3 DISSOLVED	1.00	1645					X		X	X										X							
MW-4	1.00	1647					X		X	X										X							
MW-4_S	1.00	1650					X		X	X										X							
MW-4_D	1.00	1653					X		X	X										X							
ZZZZZZ	1.00	1656																									
MW-5	1.00	1659					X		X	X										X							
MW-5 DISSOLVED	1.00	1702					X		X	X										X							
CCV8	1.00	1705					X		X	X										X							
CCB8	1.00	1708					X		X	X										X							
MW-4 DISSOLVED	1.00	1711					X		X	X										X							
MW-4_DIS_S	1.00	1714					X		X	X										X							
MW-4_DIS_D	1.00	1717					X		X	X										X							
ZZZZZZ	1.00	1720																									

FORM XIV - IN

01343

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL 5 IDL _____

Method: P _____

Start Date: 08/22/01

End Date: 08/22/01

Sample No.	D/F	Time	% R	Analytes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				A L B	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	A L	T V	Z N	B C	C R 6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

FORM XIV - IN

01344

(

SDG No. : FILLMORE

Method: P__

End Date:08/22/01

[illegible]

CRDL STANDARD FOR AA AND ICP

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252 Case No.: _____

SDG No.: FILLMORE _____

AA CRDL Standard Source: BAKER _____

ICP CRDL Standard Source: IV CRA 1-3 _____

Concentration Units: UG/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony						1655		2194
Arsenic	10.0	10.89	108.9			108.9		108.9
Barium						814/01		814/01
Beryllium								
Cadmium				10.0	13.60	136.0	12.10	121.0
Calcium								
Chromium				20.0	24.90	124.5	23.10	115.5
Cobalt								
Copper								
Iron								
Lead	3.0	2.40	80.0					
Magnesium								
Manganese								
Mercury	0.2	0.19	95.0					
Nickel								
Potassium								
Selenium	5.0	4.61	92.2					
Silver				20.0	13.20	66.0	18.40	92.0
Sodium								
Thallium								
Vanadium								
Zinc								
Boron								
Hexachromium								

Control Limits: no limits have been established at this time

FORM II (PART 2) - IN

03007

ICP CRDL Standard Source: IV__CRA_1-3__

Concentration Units: UG/L

03008

CRDL STANDARD FOR AA AND ICP

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252_ Case No.: _____

SDG No. : FILLMORE_____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: IV CRA 1-3__

Concentration Units: UG/L

[illegible]

Control Limits: no limits have been established at this time

FORM II (PART 2) - IN

03009

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_____

Start Date: 08/14/01

End Date: 08/15/01

Sample No.	D/F	Time	% R	Analytes																							
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z	B	C
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L		N	N	R
ZZZZZZ	1.00	1605																									
ZZZZZZ	1.00	1608																									
ZZZZZZ	1.00	1611																									
ZZZZZZ	1.00	1614																									
ZZZZZZ	1.00	1617																									
ZZZZZZ	1.00	1620																									
ZZZZZZ	1.00	1623																									
ZZZZZZ	1.00	1626																									
S	1.00	1631					X	X	X				X							X							
S	1.00	1634					X	X	X				X							X							
S	1.00	1637					X	X	X				X							X							
S	1.00	1640					X	X	X				X							X							
ZZZZZZ	1.00	1643																									
ICV	1.00	1646					X	X	X				X							X							
CCV1	1.00	1649					X	X	X				X							X							
ICB	1.00	1652					X	X	X				X							X							
CRI	1.00	1655						X	X											X							
ICSAI	1.00	1658																									
ICSABI	1.00	1701					X	X	X				X							X							
ICSCI	1.00	1704					X	X	X				X							X							
ICSCDI	1.00	1706					X	X	X				X							X							
ICSEI	1.00	1709					X	X	X				X							X							
ICSEFI	1.00	1712					X	X	X				X							X							
ZZZZZZ	1.00	1715																									
ZZZZZZ	1.00	1718																									
CCV2	1.00	1721					X	X	X				X							X							
CCB2	1.00	1724					X	X	X				X							X							
ZZZZZZ	1.00	1727																									
ZZZZZZ	1.00	1730																									
ZZZZZZ	1.00	1733																									
ZZZZZZ	1.00	1736																									
ZZZZZZ	1.00	1739																									

FORM XIV - IN

03044

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL _____

Method: P _____

Start Date: 08/14/01

End Date: 08/15/01

Sample No.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	B
ZZZZZZ	1.00	1741																							
ZZZZZZ	1.00	1744																							
ZZZZZZ	1.00	1747																							
ZZZZZZ	1.00	1750																							
ZZZZZZ	1.00	1753																							
ZZZZZZ	1.00	1756																							
CCV3	1.00	1759					X		X		X			X							X				
CCB3	1.00	1802					X		X		X			X							X				
ZZZZZZ	1.00	1805																							
PBS_638	1.00	1808					X		X		X			X							X				
LCSS_638	1.00	1811					X		X		X			X							X				
ZZZZZZ	1.00	1814																							
ZZZZZZ	1.00	1817																							
ZZZZZZ	1.00	1820																							
ZZZZZZ	1.00	1823																							
ZZZZZZ	1.00	1829																							
ZZZZZZ	1.00	1831																							
ZZZZZZ	1.00	1834																							
CCV4	1.00	1837					X		X		X			X							X				
CCB4	1.00	1840					X		X		X			X							X				
ZZZZZZ	1.00	1843																							
ZZZZZZ	1.00	1846																							
ZZZZZZ	1.00	1849																							
ZZZZZZ	1.00	1852																							
ZZZZZZ	1.00	1855																							
ZZZZZZ	1.00	1858																							
ZZZZZZ	1.00	1901																							
ZZZZZZ	1.00	1904																							
ZZZZZZ	1.00	1907																							
ZZZZZZ	1.00	1910																							
ZZZZZZ	1.00	1913																							
ZZZZZZ	1.00	1916																							

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_____

Start Date: 08/14/01

End Date: 08/15/01

Sample No.	D/F	Time	% R	Analytes																														
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	A L	T V	Z N	B C	C N	R 6						
ZZZZZZ	1.00	2053																																
ZZZZZZ	1.00	2056																																
ZZZZZZ	1.00	2059																																
ZZZZZZ	1.00	2102																																
ZZZZZZ	1.00	2105																																
ZZZZZZ	1.00	2108																																
ZZZZZZ	1.00	2111																																
ZZZZZZ	1.00	2113																																
ZZZZZZ	1.00	2116																																
ZZZZZZ	1.00	2119																																
ZZZZZZ	1.00	2122																																
ZZZZZZ	1.00	2125																																
ZZZZZZ	1.00	2128																																
ZZZZZZ	1.00	2131																																
ZZZZZZ	1.00	2134																																
ZZZZZZ	1.00	2137																																
ZZZZZZ	1.00	2140																																
CCV9	1.00	2143				X	X	X					X								X													
CCB9	1.00	2146				X	X	X					X								X													
CRI2	1.00	2149					X	X													X													
ICSA2	1.00	2152																																
ICSAB2	1.00	2155				X	X	X					X								X													
ICSC2	1.00	2158				X	X	X					X								X													
ICSCD2	1.00	2201				X	X	X					X								X													
ICSE2	1.00	2204				X	X	X					X								X													
ICSEF2	1.00	2207				X	X	X					X								X													
ZZZZZZ	1.00	2209																																
ZZZZZZ	1.00	2212																																
CCV10	1.00	2215				X	X	X					X								X													
CCB10	1.00	2218				X	X	X					X								X													
ZZZZZZ	1.00	2221																																
ZZZZZZ	1.00	2224																																

FORM XIV - IN

03047

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252_ Case No.:

SDG No. : FILLMORE

Instrument ID Number: ARL 5 IDL

Method: P

Start Date: 08/14/01

End Date:08/15/01

Sample No.	D/F	Time	% R	Analytes																														
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H I	K S	A E	N G	T A	L L	V N	Z N	B N	C R	6						
ZZZZZZ	1.00	0002																																
ZZZZZZ	1.00	0005																																
ZZZZZZ	1.00	0008																																
ZZZZZZ	1.00	0011																																
ZZZZZZ	1.00	0014																																
ZZZZZZ	1.00	0017																																
ZZZZZZ	1.00	0020																																
ZZZZZZ	1.00	0022																																
ZZZZZZ	1.00	0025																																
ZZZZZZ	1.00	0028																																
ZZZZZZ	1.00	0031																																
ZZZZZZ	1.00	0034																																
CCV14	1.00	0037				X		X		X			X					X																
CB14	1.00	0040				X		X		X			X					X																
MW-5_(8-9)	1.00	0043				X				X																								
SB-6_(10-12)	1.00	0046				X				X																								
SB-8_(9-11)	1.00	0049				X				X																								
MW-7_(9-11)	1.00	0052				X				X																								
SB-9_(6-8)	1.00	0055				X				X																								
SB-9_(6-8)_S	1.00	0058				X				X																								
SB-9_(6-8)_D	1.00	0101				X				X																								
ZZZZZZ	1.00	0104																																
SB-10_(6-8)	1.00	0107				X				X																								
RB-1	1.00	0109				X				X																								
CCV15	1.00	0112				X		X		X			X					X																
CCB15	1.00	0115				X		X		X			X					X																
SS-1_(0-6")	1.00	0118				X		X		X			X					X																
SS-2_(0-6")	1.00	0121				X		X		X			X					X																
SS-3_(0-6")	1.00	0124				X		X		X			X					X																
SS-3_(0-6")_L	1.00	0127				X		X		X			X					X																
SS-4_(0-6")	1.00	0130				X		X		X			X					X																
SS-5_(0-6")	1.00	0133				X		X		X			X					X																

FORM XIV - IN

03049

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_____

Start Date: 08/14/01

End Date: 08/15/01

Sample No.	D/F	Time	% R	Analytes																																		
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	A L	T	V	Z	B N	C N	C R 6									
SS-6_ (0-6")	1.00	0136					X	X	X					X							X																	
SS-7_ (0-6")	1.00	0139					X	X	X					X							X																	
SS-8_ (0-6")	1.00	0142					X	X	X					X							X																	
SS-9_ (0-6")	1.00	0145					X	X	X					X							X																	
CCV16	1.00	0148					X	X	X					X							X																	
CCB16	1.00	0151					X	X	X					X							X																	
SS-10_ (0-6")	1.00	0154					X	X	X					X							X																	
SS-11_ (0-6")	1.00	0156					X	X	X					X							X																	
SS-11_ (0-6")_S	1.00	0159					X	X	X					X							X																	
SS-11_ (0-6")_D	1.00	0202					X	X	X					X							X																	
SS-11_ (0-6")_A	1.00	0205					X																															
SS-12_ (0-6")	1.00	0208					X	X	X					X							X																	
SS-12_ (0-6")_L	1.00	0211					X	X	X					X							X																	
SS-13_ (0-6")	1.00	0214					X	X	X					X							X																	
RB-2	1.00	0217					X	X	X												X																	
ZZZZZZ	1.00	0220																																				
CCV17	1.00	0223					X	X	X					X							X																	
CCB17	1.00	0226					X	X	X					X							X																	
CRI3	1.00	0229							X	X											X																	
ICSA3	1.00	0232																																				
ICSAB3	1.00	0235					X	X	X					X							X																	
ICSC3	1.00	0238					X	X	X					X							X																	
ICSCD3	1.00	0241					X	X	X					X							X																	
ICSE3	1.00	0243					X	X	X					X							X																	
ICSEF3	1.00	0246					X	X	X					X							X																	
ZZZZZZ	1.00	0249																																				
ZZZZZZ	1.00	0252																																				
CCV18	1.00	0255					X	X	X					X							X																	
CCB18...	1.00	0258					X	X	X					X							X																	

FORM XIV - IN

03050

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_

Start Date: 08/17/01

End Date: 08/18/01

Sample No.	D/F	Time	% R	Analytes																			
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L
S	1.00	1503							X											X			
S	1.00	1506							X											X			
S	1.00	1509							X											X			
S	1.00	1511							X											X			
ZZZZZZ	1.00	1514																					
ICV	1.00	1517							X											X			
CCV1	1.00	1520							X											X			
ICB	1.00	1523							X											X			
CR II	1.00	1526							X											X			
ICSAI	1.00	1529																					
ICSABI	1.00	1532							X											X			
ICSCI	1.00	1535							X											X			
ICSCDI	1.00	1538							X											X			
CSEI	1.00	1541							X											X			
ICSEFI	1.00	1544							X											X			
ZZZZZZ	1.00	1547																					
ZZZZZZ	1.00	1550																					
CCV2	1.00	1552							X											X			
CCB2	1.00	1555							X											X			
ZZZZZZ	1.00	1558																					
ZZZZZZ	1.00	1601																					
ZZZZZZ	1.00	1604																					
ZZZZZZ	1.00	1607																					
ZZZZZZ	1.00	1610																					
ZZZZZZ	1.00	1613																					
ZZZZZZ	1.00	1616																					
ZZZZZZ	1.00	1619																					
ZZZZZZ	1.00	1622																					
ZZZZZZ	1.00	1625																					
ZZZZZZ	1.00	1628																					
ZZZZZZ	1.00	1631																					
ZZZZZZ	1.00	1634																					

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ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_

Start Date: 08/17/01

End Date: 08/18/01

Sample No.	D/F	Time	% R	Analytes																					
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	R
ZZZZZZ	1.00	1637																							
ZZZZZZ	1.00	1639																							
ZZZZZZ	1.00	1642																							
ZZZZZZ	1.00	1645																							
ZZZZZZ	1.00	1648																							
ZZZZZZ	1.00	1651																							
ZZZZZZ	1.00	1654																							
ZZZZZZ	1.00	1657																							
ZZZZZZ	1.00	1700																							
ZZZZZZ	1.00	1703																							
ZZZZZZ	1.00	1706																							
ZZZZZZ	1.00	1709																							
ZZZZZZ	1.00	1712																							
ZZZZZZ	1.00	1715																							
S	1.00	1718							X											X					
S	1.00	1721							X											X					
S	1.00	1724							X											X					
S	1.00	1727							X											X					
CCV3	1.00	1731							X											X					
CCB3	1.00	1734							X											X					
ZZZZZZ	1.00	1737																							
ZZZZZZ	1.00	1740																							
ZZZZZZ	1.00	1743																							
ZZZZZZ	1.00	1746																							
ZZZZZZ	1.00	1748																							
ZZZZZZ	1.00	1751																							
ZZZZZZ	1.00	1754																							
ZZZZZZ	1.00	1757																							
ZZZZZZ	1.00	1800																							
ZZZZZZ	1.00	1803																							
ZZZZZZ	1.00	1806																							
ZZZZZZ	1.00	1809																							

ANALYSIS RUN LOG

b Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P_

Start Date: 08/17/01

End Date: 08/18/01

Sample No.	D/F	Time	% R	Analytes																										
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K S	E A	N G	A L	T V	Z N	B C	C R 6			
ZZZZZZ	1.00	1946																												
ZZZZZZ	1.00	1949																												
ZZZZZZ	1.00	1952																												
ZZZZZZ	1.00	1955																												
ZZZZZZ	1.00	1958																												
ZZZZZZ	1.00	2001																												
ZZZZZZ	1.00	2004																												
ZZZZZZ	1.00	2007																												
ZZZZZZ	1.00	2010																												
ZZZZZZ	1.00	2013																												
ZZZZZZ	1.00	2016																												
ZZZZZZ	1.00	2019																												
ZZZZZZ	1.00	2022																												
ZZZZZZ	1.00	2025																												
ZZZZZZ	1.00	2027																												
ZZZZZZ	1.00	2030																												
ZZZZZZ	1.00	2033																												
ZZZZZZ	1.00	2036																												
ZZZZZZ	1.00	2039																												
ZZZZZZ	1.00	2042																												
ZZZZZZ	1.00	2045																												
ZZZZZZ	1.00	2048																												
ZZZZZZ	1.00	2051																												
ZZZZZZ	1.00	2054																												
ZZZZZZ	1.00	2057																												
ZZZZZZ	1.00	2100																												
ZZZZZZ	1.00	2103																												
ZZZZZZ	1.00	2106																												
ZZZZZZ	1.00	2109																												
ZZZZZZ	1.00	2112																												
CCV9	1.00	2115									X										X									
CCB9	1.00	2118									X										X									

ANALYSIS RUN LOG

Lab Name: FRIEND LABORATORY, INC.

Contract: _____

Lab Code: 10252

Case No.: _____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL _____

Method: P_

Start Date: 08/17/01

End Date: 08/18/01

Sample No.	D/F	Time	% R	Analytes																							
				A	S	A	B	C	C	C	C	F	P	M	H	N	K	S	A	N	T	V	Z	B	C	C	
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	R	6	
CRI2	1.00	2121						X											X								
ICSA2	1.00	2124																									
ICSAB2	1.00	2127						X											X								
ICSC2	1.00	2129						X											X								
ICSCD2	1.00	2132						X											X								
ICSE2	1.00	2135						X											X								
ICSEF2	1.00	2138						X											X								
ZZZZZZ	1.00	2141																									
ZZZZZZ	1.00	2144																									
CCV10	1.00	2147						X											X								
CCB10	1.00	2150						X											X								
ZZZZZZ	1.00	2153																									
ZZZZZZ	1.00	2156																									
ZZZZZZ	1.00	2159																									
ZZZZZZ	1.00	2202																									
ZZZZZZ	1.00	2205																									
ZZZZZZ	1.00	2208																									
ZZZZZZ	1.00	2211																									
ZZZZZZ	1.00	2214																									
ZZZZZZ	1.00	2216																									
ZZZZZZ	1.00	2219																									
ZZZZZZ	1.00	2222																									
ZZZZZZ	1.00	2225																									
ZZZZZZ	1.00	2228																									
ZZZZZZ	1.00	2231																									
ZZZZZZ	1.00	2234																									
ZZZZZZ	1.00	2237																									
ZZZZZZ	1.00	2240																									
ZZZZZZ	1.00	2243																									
ZZZZZZ	1.00	2246																									
ZZZZZZ	1.00	2249																									
ZZZZZZ	1.00	2252																									

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ANALYSIS RUN LOG

b Name: FRIEND LABORATORY, INC.

Contract:_____

Lab Code: 10252_

Case No.:_____

SDG No.: FILLMORE

Instrument ID Number: ARL_5_IDL_____

Method: P__

Start Date: 08/17/01

End Date: 08/18/01

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K I	S E	A G	A L	T V	Z N	B C	C N	R 6			
ZZZZZZ	1.00	2255																													
CCV12	1.00	2258						X												X											
CCB12	1.00	2301						X												X											
ZZZZZZ	1.00	2304																													
ZZZZZZ	1.00	2307																													
ZZZZZZ	1.00	2310																													
ZZZZZZ	1.00	2313																													
ZZZZZZ	1.00	2316																													
MW-5_(8-9)	1.00	2319						X												X											
SB-6_(10-12)	1.00	2322						X												X											
SB-8_(9-11)	1.00	2325						X												X											
MW-7_(9-11)	1.00	2328						X												X											
SB-10_(6-8)	1.00	2331						X												X											
CCV13	1.00	2334						X												X											
CCB13	1.00	2337						X												X											
SB-9_(6-8)	1.00	2340						X												X											
SB-9_(6-8)_S	1.00	2343						X												X											
SB-9_(6-8)_D	1.00	2345						X												X											
ZZZZZZ	1.00	2348																													
RB-1	1.00	2351						X												X											
ZZZZZZ	1.00	2354																													
ZZZZZZ	1.00	2357																													
ZZZZZZ	1.00	0000																													
ZZZZZZ	1.00	0003																													
ZZZZZZ	1.00	0006																													
CCV14	1.00	0009						X												X											
CCB14	1.00	0012						X												X											
ZZZZZZ	1.00	0015																													
ZZZZZZ	1.00	0018																													
ZZZZZZ	1.00	0021																													
ZZZZZZ	1.00	0024																													
ZZZZZZ	1.00	0027																													

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Contract:_____

SDG No. : FILLMORE

Method: P__

End Date:08/18/01

[illegible]