

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

February 14, 1994

URS CONSULTANTS, INC.
282 DELAWARE AVENUE
BUFFALO, NEW YORK 14202-1805
(716) 856-5636
FAX: (716) 856-2545

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Mr. A.K. Gupta, P.E., Project Manager
Bureau of Construction Services
Division of Hazardous Waste Remediation
NYS Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

FEB 22 1994

**RE: PAS SITE O&M SITE NO. 7-38-001 (W.A. D002340-8)
ANALYTICAL RESULTS ON COMPUTER DATABASE**

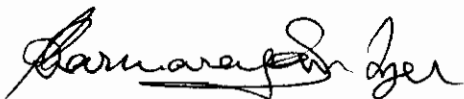
Dear Mr. Gupta:

Enclosed for your preliminary review is a printout using Quattro (spreadsheet) of the analytical results from the last four years of semi-annual monitoring at the PAS site. This includes two sampling events (11/89 and 5/90) by NYSDEC, and seven (11/90 through 11/93) by URS. The spreadsheet is set-up as per our discussions with one well on each page. This database was also used to develop the bar charts for wells LR-8, SWW-4 and SWW-6 in the Fall 1993 Environmental Monitoring Report. A summary table of the sampling and analysis performed to-date and sample location maps are provided to facilitate the use of the data.

Please let me know if this format is acceptable to you for use in the final report for the site, which will be developed following the Fall 1994 sampling event.

Very truly yours,

URS CONSULTANTS, INC.



Dharmarajan R. Iyer, Ph.D.
Task Manager

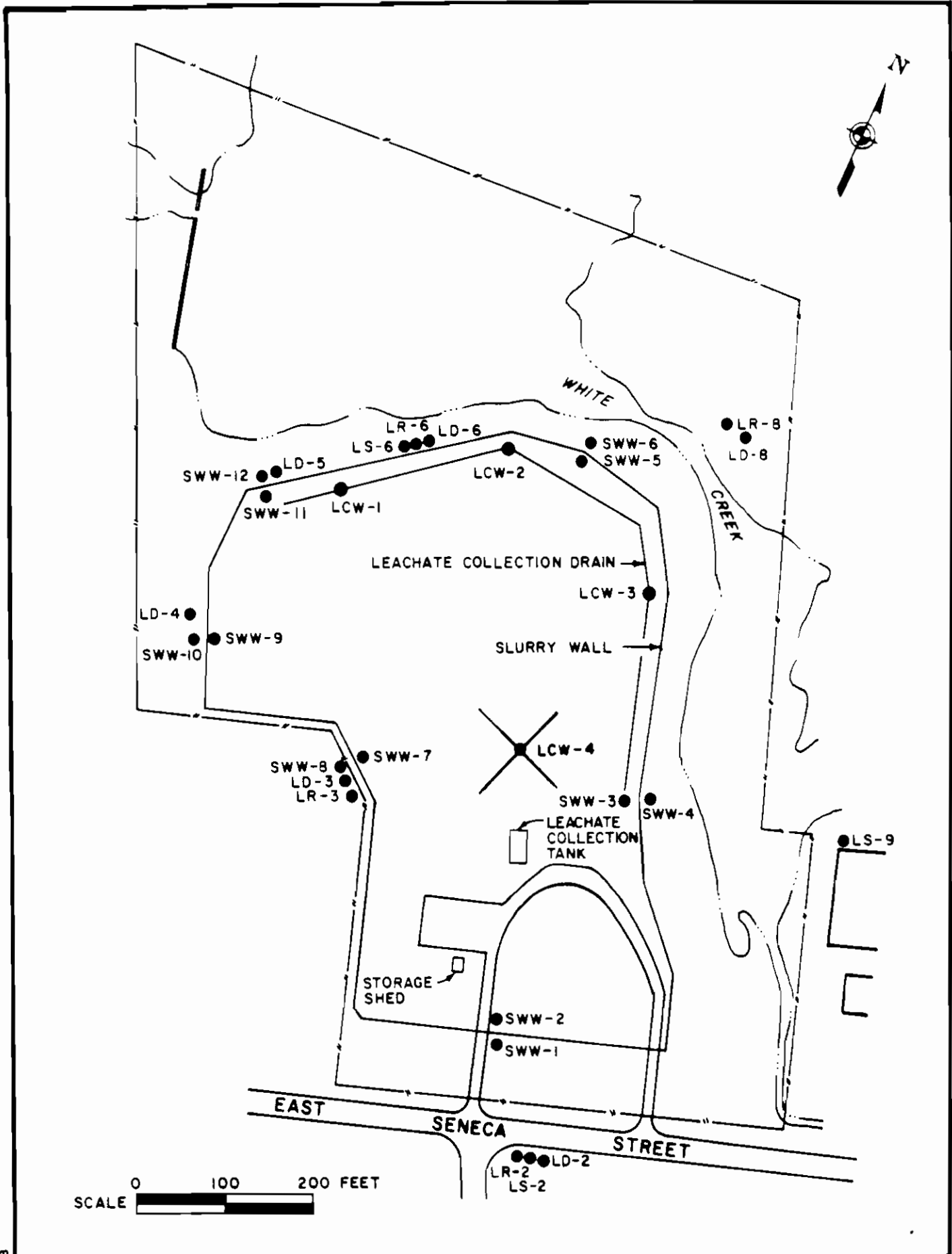
Enc.

cc: Mr. John Gorton - URS (w/o attachments)
File 35236.00 (1000)

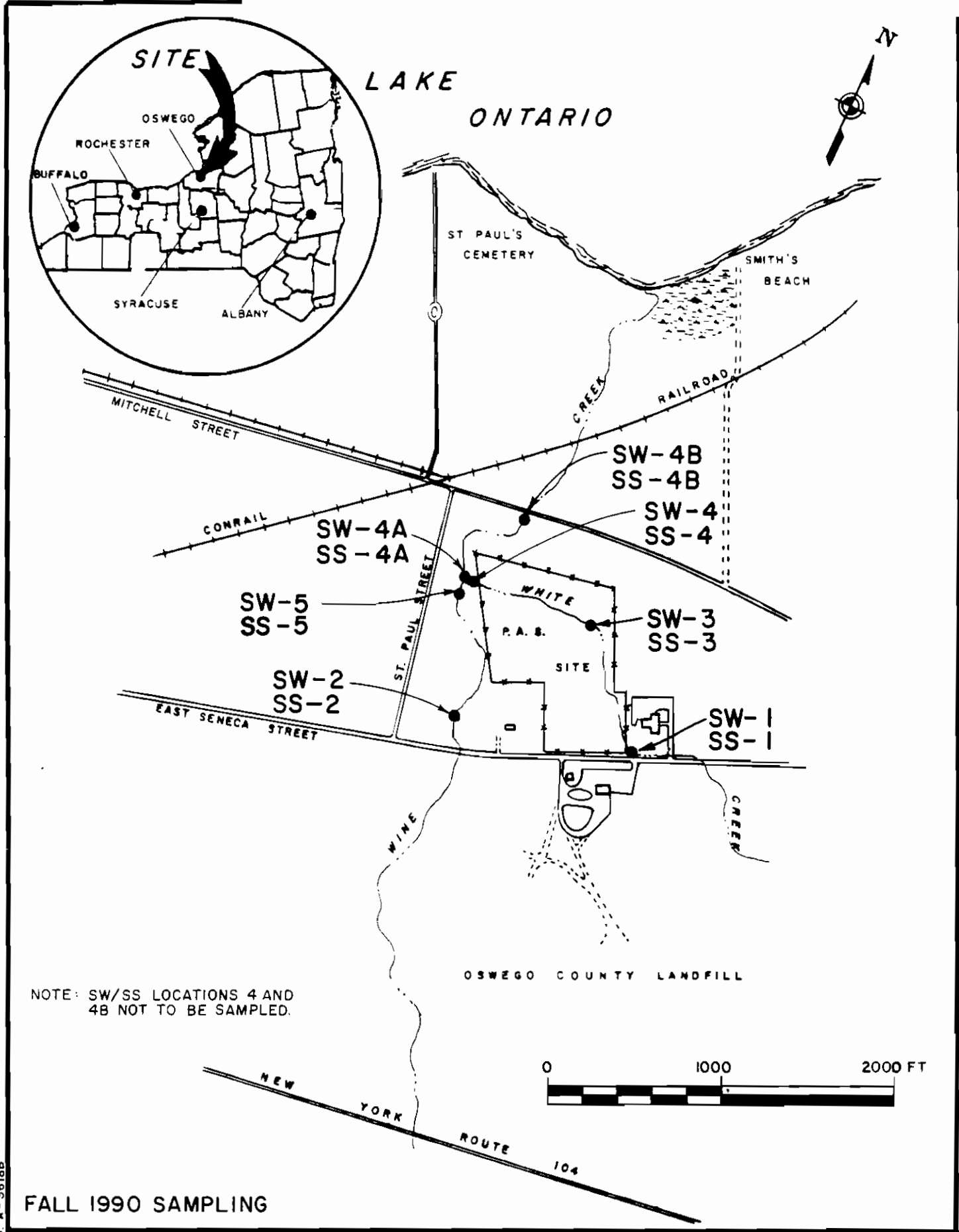
TABLE
PAS SITE O&M
SUMMARY OF SAMPLING AND ANALYSIS

Matrix	Sampling Schedule	Sample ID	Analytical Schedule				Wet Chemistry
			VOA	BNA	PEST/PCB	Metals	
Groundwater (L-series wells)	Fall & Spring	LS-2, LR-2, LD-2, LR-3, LD-3, LD-4, LD-5, LS-6, LR-6, LD-6, LR-8 (MS/MSD), LD-8 AND LS-9	X	X	--	X (only 11/89)	--
		SWW-1, SWW-4, SWW-6, SWW-8, SWW-10, SWW-12	X	X	--	X (only 11/89)	--
		SW-1, SW-2, SW-3, SW-4 (11/92 only), SW-4A (11/90, 11/91 and 11/93), SW-4B (11/90 only), SW-5 (11/92 and 11/93 only)	X	X	--	--	--
		SS-1*, SS-2*, SS-3*, SS-4* (replaced with SS-4A, 11/90), SS-4B (11/90 only), SS-5 (started 11/91)	X	X	X	X	X
		LCW-1 (11/90)					
Leachate (No longer sampled as of 11/91)	Fall - 1990 and 199 Spring 1991	LCW-2 (11/89, 5/91 and 11/91)	X	X	X	X	X
		LCW-4 (11/90, 5/91 and 11/91)					X
							X

* SS-1, SS-2, SS-3, and SS-4 were re-analyzed (5/91) for Pest/PCB and hexavalent chromium.



A-3619/B



FALL 1990 SAMPLING

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**SURFACE WATER AND
SEDIMENT SAMPLING
LOCATIONS**

FIGURE NO. 2

DWG. NO. A-3618B

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LS-2**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		986								
Antimony										
Arsenic										
Barium		105 B								
Beryllium										
Calcium		175000								
Chromium		475								
Cobalt		9.2 B								
Copper										
Iron		3060								
Lead		2.6 B								
Magnesium		51220								
Manganese		121								
Nickel		92.2								
Potassium		2560 B								
Sodium		68400								
Vanadium										
Zinc		49.1								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantification limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-2**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
VOLATILE (ppb)										
Acetone										
Benzene										
2-Butanone										
Chloroethane										
Chlorobenzene										
Carbon disulfide		1 J								
Chloroform										
1,1-Dichloroethane										
1,2-Dichloroethane										
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)										
Ethylbenzene										
4-Methyl-2-pentanone										
Methylene chloride										
Toluene										
1,1,1-Trichloroethane										
Trichloroethylene										
Vinyl acetate										
Vinyl chloride										
Xylenes (Total)										
SEMIVOLATILE (ppb)										
Phenol										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid										
Naphthalene										
Isophorene										
4-Chloroaniline										
2-Methylnaphthalene										
N-Nitrosodiphenylamine										
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate						0.5 BJ				
Di-n-octyl phthalate							0.6 J			

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-2**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		605								
Antimony										
Arsenic										
Barium		432								
Beryllium										
Calcium		42500								
Chromium										
Cobalt										
Copper										
Iron		977								
Lead		3								
Magnesium		22300								
Manganese		45.5								
Nickel										
Potassium		3190								
Sodium		21900								
Vanadium										
Zinc		56								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantification limit but > zero.

Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-2**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		268								
Antimony										
Arsenic		2.4 B								
Barium		225								
Beryllium										
Calcium		118000								
Chromium										
Cobalt										
Copper										
Iron		1210								
Lead										
Magnesium		55300								
Manganese		258								
Nickel										
Potassium		1360 B								
Sodium		4700								
Vanadium										
Zinc		17.3 B								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-3**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
VOLATILE (ppb)										
Acetone			13 B							
Benzene						43				
2-Butanone										
Chloroethane										
Chlorobenzene										
Carbon disulfide										
Chloroform										
1,1-Dichloroethane										
1,2-Dichloroethane										
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)										
Ethylbenzene										
4-Methyl-2-pentanone										
Methylene chloride										
Toluene										
1,1,1-Trichloroethane										
Trichloroethylene										
Vinyl acetate										
Vinyl chloride										
Xylenes (Total)										
SEMIVOLATILE (ppb)										
Phenol										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid										
Naphthalene										
Isophorene										
4-Chloroaniline										
2-Methylnaphthalene										
N-Nitrosodiphenylamine										
Di-n-butylphthalate				76		1 J				
Butylbenzyl phthalate			16			2 J				
bis (2-Ethylhexyl) phthalate						11 B				
Di-n-octyl phthalate						3 J				

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-3**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		3240								
Antimony										
Arsenic										
Barium		527								
Beryllium										
Calcium		191000								
Chromium		15.1								
Cobalt		13.1 B								
Copper		23.7 B								
Iron		5080								
Lead		2.3 B								
Magnesium		67500								
Manganese		872								
Nickel										
Potassium		4700 B								
Sodium		12100								
Vanadium										
Zinc		29.7								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-3**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		2210								
Antimony										
Arsenic		41.2								
Barium		1030								
Beryllium										
Calcium		414000								
Chromium										
Cobalt		20.9 B								
Copper										
Iron		24400								
Lead		24 B								
Magnesium		139000								
Manganese		2930								
Nickel		1220								
Potassium		4400 B								
Sodium		12600								
Vanadium										
Zinc		126								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-4**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		5770								
Antimony										
Arsenic										
Barium		95.2 B								
Beryllium										
Calcium		59100								
Chromium		17.7								
Cobalt		10.2 B								
Copper		28.4								
Iron		9740								
Lead		3.6								
Magnesium		18700								
Manganese		678								
Nickel		60.4								
Potassium		3060								
Sodium		11200								
Vanadium		12 B								
Zinc		59.5								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.
 - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-5**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
VOLATILE (ppb)										
Acetone				4 J	4 BJ					
Benzene	12	19	21	20	21	20	8	18	5	7
2-Butanone										
Chloroethane			3 J	10	12	8 J	3 J	8 J		2 J
Chlorobenzene			5	6	5	5	3 J	5	2 J	2 J
Carbon disulfide			3 J							
Chloroform										
1,1-Dichloroethane	42	50	52	44	44	38	32	47	24	26
1,2-Dichloroethane	6	6		4 J	4 J	5				2 J
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)			2 J	15	15	1 J	0.8 J	0.8 J		
Ethylbenzene	8	8	13	8	8	4 J	1 J	2 J		
4-Methyl-2-pentanone										
Methylene chloride		48 J	0.5 J							
Toluene										
1,1,1-Trichloroethane	1 J									
Trichloroethylene										
Vinyl acetate										
Vinyl chloride			1 J				0.7 J			
Xylenes (Total)										
SEMIVOLATILE (ppb)										
Phenol										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid					1 J					
Naphthalene										
Isophorene										
4-Chloroaniline										
2-Methylnaphthalene										
N-Nitrosodiphenylamine										
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate			4 J			0.7 BJ				5 J
Di-n-octyl phthalate			2 J							

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-5**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		2080								
Antimony										
Arsenic		8.7 B								
Barium		276								
Beryllium										
Calcium		128000								
Chromium										
Cobalt		12.5 B								
Copper		30.8								
Iron		4310								
Lead		1.5 B								
Magnesium		62700								
Manganese		636								
Nickel		73.7								
Potassium		7430								
Sodium		31300								
Vanadium		2.2 B								
Zinc		41.5								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LS-6**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		24600								
Antimony		30.8 B								
Arsenic		13.4								
Barium		268								
Beryllium		3.2 B								
Calcium		262000								
Chromium		74.9								
Cobalt		51.4								
Copper		117								
Iron		39900								
Lead		17								
Magnesium		81900								
Manganese		4850								
Nickel		371								
Potassium		10100								
Sodium		65400								
Vanadium		57.1								
Zinc		165								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.
 [Pattern] - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-6**

Compound	Date	11/89	590	11/90	591	11/91	592	11/92	593	11/93
METALS (ppb)										
Aluminum		3440								
Antimony										
Arsenic		62 B								
Barium		504								
Beryllium										
Calcium		159000								
Chromium		9.8 B								
Cobalt		142 B								
Copper		213 B								
Iron		6060								
Lead		2 B								
Magnesium		47800								
Manganese		2930								
Nickel										
Potassium		2700 B								
Sodium		68700								
Vanadium		4.9 B								
Zinc		27.6								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

• - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-6**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		152 B								
Antimony										
Arsenic										
Barium		75.3 B								
Beryllium										
Calcium		48300								
Chromium										
Cobalt		6.9 B								
Copper										
Iron		43 B								
Lead		1.1 B								
Magnesium		15700								
Manganese		202								
Nickel		80.9								
Potassium		12500								
Sodium		49000								
Vanadium										
Zinc		30.1								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

██████████ - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LR-8**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum										
Antimony										
Arsenic		11.4								
Barium		1330								
Beryllium										
Calcium		260000								
Chromium										
Cobalt		58 B								
Copper										
Iron		13000								
Lead										
Magnesium		78100								
Manganese		3720								
Nickel		193								
Potassium		5540								
Sodium		20300								
Vanadium										
Zinc		8.6 B								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LD-8**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		14300								
Antimony										
Arsenic										
Barium		136 B								
Beryllium										
Calcium		102000								
Chromium		37.1								
Cobalt		24.7 B								
Copper		91.1								
Iron		29300								
Lead		6.5								
Magnesium		36000								
Manganese		4230								
Nickel		43.2								
Potassium		4410								
Sodium		66200								
Vanadium		27 B								
Zinc		100								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: LS-9**


Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
METALS (ppb)										
Aluminum		2700								
Antimony										
Arsenic		7 B								
Barium		281								
Beryllium										
Calcium		99800								
Chromium										
Cobalt		104 B								
Copper		11.8 B								
Iron		6460								
Lead		4.1								
Magnesium		29200								
Manganese		8300								
Nickel										
Potassium		5270								
Sodium		31800								
Vanadium		8.3 B								
Zinc		74.4								

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

 - Not Analyzed

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-1

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone										
Benzene										
Chloroethane										
Chlorobenzene										
Carbon disulfide		3 J								
1,1-Dichloroethane										
1,2-Dichloroethane										
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)										
Ethylbenzene										
Methylene chloride		4 J								
Toluene										
1,1,1-Trichloroethane										
Trichloroethylene										
Vinyl chloride										
Xylenes (Total)										
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid										
Naphthalene										
2-Methylnaphthalene										
Di-n-butylphthalate				89						
Butylbenzyl phthalate				39						
bis (2-Ethylhexyl) phthalate				1 J		1 BJ				
METALS (ppb)										
Aluminum		422								
Antimony		27 B								
Arsenic		6.1 B								
Barium		141 B								
Beryllium		3.2 B								
Calcium		99800								
Chromium										
Cobalt		11.6 B								
Copper		8.1 B								
Iron		681								
Lead		2.5 B								
Magnesium		29300								
Manganese		230								
Nickel										
Potassium		8330								
Sodium		43100								
Vanadium		8.4 B								
Zinc		17.8 B								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-4

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone				6 J						
Benzene				8		64		1 J		63
Chloroethane				16		16		5 J		7 J
Chlorobenzene				4 J		16		0.9 J		17
Carbon disulfide										
1,1-Dichloroethane				8		6		4 J		
1,2-Dichloroethane										
1,1-Dichloroethylene						0.6 J				0.5 J
1,2-Dichloroethene (Total)						100		2 J		52
Ethylbenzene				32						
Methylene chloride				0.5 J		0.6 J				
Toluene						0.9 J				0.5 J
1,1,1-Trichloroethane										
Trichloroethylene										
Vinyl chloride										
Xylenes (Total)				5		41				17
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										3 J
2,4-Dimethylphenol						3 J				
Benzoic acid										
Naphthalene										
2-Methylnaphthalene										
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate										
METALS (ppb)										
Aluminum		141 B								
Antimony										
Arsenic		2.8 B								
Barium		108 B								
Beryllium										
Calcium		70300								
Chromium										
Cobalt		9.9 B								
Copper										
Iron		896								
Lead		1.7 B								
Magnesium		16200								
Manganese		442								
Nickel										
Potassium		11000								
Sodium		65300								
Vanadium		3.03								
Zinc		1.53								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-6

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone				92 BJ						
Benzene	10			680		430		660		570
Chloroethane	95			180		85 J		85		73
Carbon disulfide				9 J		10 J		69		78
1,1-Dichloroethane										
1,2-Dichloroethane										
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)										
Ethylbenzene	250			640		340		580		490
Methylene chloride	7 BJ			17 BJ		8 J		10 J		7 J
Toluene	550			910 B		160		390		50
1,1,1-Trichloroethane										
Trichloroethylene										
Vinyl chloride										
Xylenes (Total)	620			1900		860		2200		1400
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene	17 J									31 J
2-Methylphenol	130									
4-Methylphenol	600			33				14		48 J
2,4-Dimethylphenol	1200					69 J		1800 D		640 D
Benzoic acid										
Naphthalene								23		2 J
2-Methylnaphthalene				2 J						
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate										
METALS (ppb)										
Aluminum	1000									
Antimony										
Arsenic	34									
Barium	102									
Beryllium										
Calcium	232000									
Chromium	8.3 B									
Cobalt	53.9									
Copper	15.5 B									
Iron	8010									
Lead	3									
Magnesium	58400									
Manganese	2170									
Nickel	507									
Potassium	20000									
Sodium	152000									
Vanadium	4.8 B									
Zinc	22.6									

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-8

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone										
Benzene		7		5		2 J		2 J		1 J
Chloroethane										
Chlorobenzene		2 J								
Carbon disulfide										
1,1-Dichloroethane				3 J		2 J				
1,2-Dichloroethane		3 J								
1,1,1-Dichloroethylene										
1,2-Dichloroethene (Total)				0.9 J						
Ethylbenzene										
Methylene chloride										
Toluene										
1,1,1-Trichloroethane										
Trichloroethylene				0.6 J						
Vinyl chloride										
Xylenes (Total)										
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid										
Naphthalene										
2-Methylnaphthalene										
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate						3 BJ				4 J
METALS (ppb)										
Aluminum		2600								
Antimony		32.2 B								
Arsenic		21.1								
Barium		826								
Beryllium										
Calcium		335000								
Chromium		8.5 B								
Cobalt		26.5 B								
Copper		10.2 B								
Iron		25500								
Lead		3.8								
Magnesium		116000								
Manganese		12600								
Nickel		546								
Potassium		3070 B								
Sodium		110000								
Vanadium										
Zinc		60.4								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-10

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone										
Benzene				8 BJ						
Chloroethane										
Chlorobenzene										
Carbon disulfide										
1,1-Dichloroethane	1 J			2 J				3 J		
1,2-Dichloroethane										
1,1,1-Trichloroethane										3 J
1,1,2-Dichloroethane										
1,2-Dichloroethene (Total)										
Ethylbenzene										
Methylene chloride	2 BJ									
Toluene				0.1 BJ						
1,1,1-Trichloroethane				2 J				1 J		
Trichloroethylene	3 J			9				4 J		5
Vinyl chloride										
Xylenes (Total)										
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid										
Naphthalene										
2-Methylnaphthalene										
Di-n-butylphthalate										
Butylbenzyl phthalate										4 J
bis (2-Ethylhexyl) phthalate										
METALS (ppb)										
Aluminum		979								
Antimony										
Arsenic		2.8 B								
Barium		67.3 B								
Beryllium										
Calcium		117000								
Chromium		12.1								
Cobalt		16 B								
Copper		142 B								
Iron		3600								
Lead										
Magnesium		26300								
Manganese		2170								
Nickel										
Potassium		990 B								
Sodium		11700								
Vanadium										
Zinc		23.4								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

PAS SITE O&M - ANALYTICAL RESULTS
MONITORING WELL: SWW-12

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
Acetone				2 J						
Benzene		2 J		2 J		1 J		0.9 J		0.6 J
Chloroethane				4 J		3 J		1 J		
Chlorobenzene										
Carbon disulfide										
1,1-Dichloroethane		32		56		48		42		31
1,2-Dichloroethane		3 J								3 J
1,1-Dichloroethylene										
1,2-Dichloroethene (Total)		3 J		1 J		0.8 J				
Ethylbenzene										
Methylene chloride										
Toluene										
1,1,1-Trichloroethane		5		1 J						
Trichloroethylene										
Vinyl chloride				0.8 J						
Xylenes (Total)										
SEMIVOLATILE (ppb)										
1,2-Dichlorobenzene										
2-Methylphenol										
4-Methylphenol										
2,4-Dimethylphenol										
Benzoic acid		18 J								
Naphthalene										
2-Methylnaphthalene										
Di-n-butylphthalate										
Butylbenzyl phthalate										
bis (2-Ethylhexyl) phthalate										
METALS (ppb)										
Aluminum		2910								
Antimony										
Arsenic		4 B								
Barium		162 B								
Beryllium										
Calcium		101000								
Chromium		8.9 B								
Cobalt		12.6 B								
Copper		33.2								
Iron		5390								
Lead		3.2								
Magnesium		37500								
Manganese		3300								
Nickel										
Potassium		4500 B								
Sodium		19500								
Vanadium		6.1 B								
Zinc		29.4								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.

**PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-1**

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone			7 BJ			
Toluene			0.6 BJ			

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

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02/04/94

**PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-2**

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone						
Toluene						

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

35236/surfwr:wbl/jn

02/04/94

**PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-3**

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone			3 BJ			
Toluene			0.6 BJ			

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

35236/surfwr.wbl/jn
02/04/94

PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-4

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone						
Toluene						

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

35236/surfwt: wbl/jn

02/16/94

PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-4A

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone						
Toluene			0.6 BJ			

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

..... - Not Analyzed

35126/surfwr: wbl/jn

02/16/94

PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-4B

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone			6 BJ			
Toluene			0.7 BJ			

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

••••• - Not Analyzed

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02/16/94

PAS SITE O&M - ANALYTICAL RESULTS
SURFACE WATER: SW-5

Compound	Date	11/89	11/90	11/91	11/92	11/93
VOLATILE (ppb)						
Acetone						
Toluene						

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

J - Concentration < sample quantitation limit but > zero.

 - Not Analyzed

35236/surfwr.wbl/jn

02/19/94

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-1**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
Acetone		20 B	22 B				15
Benzene							
2-Butanone							
Chloroform		8 J					
Methylene chloride		24 B					
Toluene							
SEMIVOLATILE (ppb)							
Phenol							
Benzyl Alcohol							
4-Methylphenol		69 J					
2,4-Dimethylphenol							
Benzoic acid						67 J	
Acenaphthylene							
Acenaphthene							
Diethylphthalate			240 J				
Fluorene						160 J	
Phenanthrene		120 J			400 J	1400	230 J
Anthracene						360 J	
Fluoranthene		240 J			730	1900	340 J
Pyrene		220 J			650	8000 E	280 J
Butylbenzyl phthalate							
Benzo (a) anthracene		120 J			360 J	970	180 J
Chrysene		130 J			350 J	3600	170 J
bis (2-Ethylhexyl) phthalate		460 J	85 J		120 BJ	670	91 J
Di-n-octyl phthalate							
Benzo (b) fluoranthene		200 J			360 J	1700	230 J
Benzo (k) fluoranthene		200 J			180 J	1900	140 J
Benzo (a) pyrene		110 J			250 J	820	
Indeno (1,2,3-cd) pyrene		59 J			110 J		100 J
Dibenzo (a,h) anthracene							
Benzo (g,h,i) perylene		575			85 J		87 J
PEST/PCB (ppb)							
beta-BHC							
gamma-BHC						1.4 J	
Aldrin			10 R			11	
Heptachlor epoxide						1.8 J	
Endosulfan I						3.2 J	
Endosulfan II						2.6 J	
Dieldrin						7.6 J	
4,4'-DDE				8.3 J*		1.1 J	
Endrin							
4,4'-DDD						2 J	
4,4'-DDT				8.8 J*	2.6 J	4.4 J	
Methoxychlor				6.3 J*			
Endrin Ketone				6.3 J*			
Aroclor - 1248							
Aroclor - 1254							

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-1**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
METALS (ppm)							
Aluminum		5730	9630		6330	4610	
Antimony						3.1 B	
Arsenic		5.9	1.3		2.0	2.1	
Barium		85	65		71.7	62.5	
Cadmium			<0.71				
Calcium		4710	1770		4850 B	3400	
Chromium		6.2	10		12.3	6.1	
Cobalt		6.4 B	5.7		3.2	3.9 B	
Copper		30.9	14		10.7	15.7	
Iron		10200	10500		15200	16400	
Lead		25.6	88		18.7	10.3	
Magnesium		2570	2050		1370	1580	
Manganese		674	386		222	426 N	
Mercury			0.15				
Nickel			11		10.4	7.8	
Potassium		1370 B	622		697	505 B	
Silver						10.6 BN	
Sodium		602 B	304		463 B	297 B	
Vanadium		17.7	18		11.1	10.1	
Zinc		73.8	46		37.6	53.1	
Total Phenol							
Hexavalent Chromium			0.18 R	0.26	0.31	0.16 N	

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

N - Spike sample recovery not within control limits.

R - Data rejected due to holding time violation.

* - Concentration detected from sample reanalysis.

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-2**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
Acetone		11 J					9 J
Benzene							
2-Butanone							
Chloroform							
Methylene chloride		41 B					
Toluene							
SEMIVOLATILE (ppb)							
Phenol							
Benzyl Alcohol							
4-Methylphenol							
2,4-Dimethylphenol							
Benzoic acid							47 J
Acenaphthylene							
Acenaphthene							
Diethylphthalate							
Fluorene							
Phenanthrene		360 J				71 J	550
Anthracene							
Fluoranthene		690 J				94 J	920
Pyrene		540 J				110 J	660
Butylbenzyl phthalate							
Benzo (a) anthracene		270 J					390 J
Chrysene		330 J					340 J
bis (2-Ethylhexyl) phthalate		1000			75 BJ	130 J	180 J
Di-n-octyl phthalate							
Benzo (b) fluoranthene		470 J				62 J	400
Benzo (k) fluoranthene		470 J				23 J	180 J
Benzo (a) pyrene		260 J					
Indeno (1,2,3-cd) pyrene		150 J					
Dibenzo (a,h) anthracene							
Benzo (g,h,i) perylene							
PEST/PCB (ppb)							
beta-BHC						1.4 J	
gamma-BHC						1.3 J	
Aldrin							
Heptachlor epoxide							
Endosulfan I							
Endosulfan II					8.7 J	16 J	
Dieldrin						3.2 J	
4,4'-DDE						2.5 J	
Endrin						3.2 J	
4,4'-DDD						4.1 J	
4,4'-DDT							
Methoxychlor							
Endrin Ketone							
Aroclor - 1248							
Aroclor - 1254				570			

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-2**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
METALS (ppm)							
Aluminum		6790			4750	4920	
Antimony						0.96 B	
Arsenic		2.2 B		5.3		3.2	
Barium		204		51.7		78.3	
Cadmium						0.82	
Calcium		6340		6580 B		13400	
Chromium		4.2		6		8.9	
Cobalt		4.7 B		3.9 B		4.7 B	
Copper		27.2		12.1		25.6	
Iron		47200		6260		17700	
Lead		18.6		11		96	
Magnesium		2580		1760		3830	
Manganese		2080		262		978 N	
Mercury							
Nickel				11.2		14.9	
Potassium		1610 B		686 B		746 B	
Silver						0.06 BN	
Sodium		1260 B				322 B	
Vanadium		45.7		7.4 B		10.3	
Zinc		112		36.9		70.8	
Total Phenol							
Hexavalent Chromium				0.33		0.1 N	

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

N - Spike sample recovery not within control limits.

R - Data rejected due to holding time violation.

* - Concentration detected from sample reanalysis.

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-3**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
Acetone		27 B				110	170
Benzene							
2-Butanone							27
Chloroform		3 J					21
Methylene chloride		69 B					
Toluene			0.9 BJ				
SEMIVOLATILE (ppb)							
Phenol		270 J					
Benzyl Alcohol			32 J				
4-Methylphenol		86 J	35 J				
2,4-Dimethylphenol		97 J					
Benzoic acid		67 J	120 J				38 J
Acenaphthylene							76 J
Acenaphthene							
Diethylphthalate			49 J				
Fluorene							
Phenanthrene						160 J	270 J
Anthracene							
Fluoranthene		65 J					
Pyrene		69 J					890 J
Butylbenzyl phthalate							
Benzo (a) anthracene							
Chrysene							270 J
bis (2-Ethylhexyl) phthalate		1200	96 J		200 BJ	690 J	230 J
Di-n-octyl phthalate							
Benzo (b) fluoranthene							500 J
Benzo (k) fluoranthene							
Benzo (a) pyrene							
Indeno (1,2,3-cd) pyrene							
Dibenzo (a,h) anthracene							
Benzo (g,h,i) perylene							
PEST/PCB (ppb)							
beta-BHC							
gamma-BHC							
Aldrin			32 R	730 *			
Heptachlor epoxide		26					
Endosulfan I							
Endosulfan II							
Dieldrin							
4,4'-DDE							
Endrin							
4,4'-DDD						14 J	
4,4'-DDT							
Methoxychlor							
Endrin Ketone						4.6 J	
Aroclor - 1248					1900 D		
Aroclor - 1254			450 R	3700 *		720	

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-3**

Compound	Date	11/89	11/90	5/91	11/91	11/92	11/93
METALS (ppm)							
Aluminum		7520	6430		6110	12100	
Antimony						5.3 B	
Arsenic		2.8 B	1.6		2.5	7.8	
Barium		82.9	48		60	345	
Cadmium			0.61				
Calcium		3430	5450		7110	14800	
Chromium		0.7	6.7		10.7	18.1	
Cobalt		6 B	4.9		4.9 B	9.0 B	
Copper		54.3	24		33.9	52.7	
Iron		13500	9890		10100	61200	
Lead		13.2	66		16.3	66.9	
Magnesium		2170	2900		2580	4200	
Manganese		402	445		392	3290 N	
Mercury			0.21				
Nickel			12		16	22.9	
Potassium		259 B	724		733	1170 B	
Silver						0.25 BN	
Sodium			144		298 B	938 B	
Vanadium		22.6	12		13.6	38.5	
Zinc		57.6	35		13.9	205	
Total Phenol					0.61		
Hexavalent Chromium			0.13 R	1.10	0.27		

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

N - Spike sample recovery not within control limits.

R - Data rejected due to holding time violation.

* - Concentration detected from sample reanalysis.

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4**

Compound	Date	11/89	11/90	591	11/91	11/92	11/93
Acetone		47 B					
Benzene							
2-Butanone							
Chloroform		3 J					
Methylene chloride		69 B					
Toluene							
SEMIVOLATILE (ppb)							
Phenol							
Benzyl Alcohol							
4-Methylphenol							
2,4-Dimethylphenol							
Benzoic acid							
Acenaphthylene							
Acenaphthene							
Diethylphthalate							
Fluorene							
Phenanthrene		86 J					
Anthracene							
Fluoranthene		170 J					
Pyrene		130 J					
Butylbenzyl phthalate							
Benzo (a) anthracene		78 J					
Chrysene		100 J					
bis (2-Ethylhexyl) phthalate		130 J					
Di-n-octyl phthalate							
Benzo (b) fluoranthene		96 J					
Benzo (k) fluoranthene							
Benzo (a) pyrene		87 J					
Indeno (1,2,3-cd) pyrene		55 J					
Dibenzo (a,h) anthracene							
Benzo (g,h,i) perylene							
PEST/PCB (ppb)							
beta-BHC							
gamma-BHC							
Aldrin							
Heptachlor epoxide				35			
Endosulfan I							
Endosulfan II							
Dieldrin							
4,4'-DDE				19			
Endrin							
4,4'-DDD							
4,4'-DDT							
Methoxychlor							
Endrin Ketone							
Aroclor - 1248							
Aroclor - 1254		410					

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4**

Compound	Date	11/89	11/90	591	11/91	11/92	11/93
METALS (ppm)							
Aluminum		4990	10200				
Antimony							
Arsenic		4.3	2.6				
Barium		160	82				
Cadmium							
Calcium		3620	6900				
Chromium		6.8	12				
Cobalt		6.3 B	6.1				
Copper		25.7	24				
Iron		12900	16500				
Lead		22	88				
Magnesium		1980	2520				
Manganese		712	240				
Mercury							
Nickel			12				
Potassium		1140 B	1300				
Silver							
Sodium		634 B	511				
Vanadium		22.3	19				
Zinc		97	41				
Total Phenol							
Hexavalent Chromium			0.13 R	0.9			

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.
 N - Spike sample recovery not within control limits.
 R - Data rejected due to holding time violation.
 * - Concentration detected from sample reanalysis.

⋯ - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4A**

Compound	Date	11/89	11/90	11/91	11/92	11/93
Acetone			11 BJ		41	
Benzene						
2-Butanone					1 J	
Chloroform						
Methylene chloride						
Toluene			1 BJ			
SEMIVOLATILE (ppb)						
Phenol						
Benzyl Alcohol						
4-Methylphenol						
2,4-Dimethylphenol						
Benzoic acid			49 J			
Acenaphthylene						
Acenaphthene			58 J			
Diethylphthalate						
Fluorene						
Phenanthrene			510 J			70 J
Anthracene			110 J			
Di-n-butylphthalate				1300 B	460 BJ	
Fluoranthene			2000			
Pyrene			2500			120 J
Butylbenzyl phthalate			40 J			
Benzo (a) anthracene			1400			84 J
Chrysene			1100			80 J
bis (2-Ethylhexyl) phthalate			100 J	260 BJ	510 J	210 J
Di-n-octyl phthalate						
Benzo (b) fluoranthene			1900	47 J		100 J
Benzo (k) fluoranthene			730			
Benzo (a) pyrene			1200			63 J
Indeno (1,2,3-cd) pyrene			290 J			29 J
Dibenzo (a,h) anthracene			73 J			
Benzo (g,h,i) perylene			220 J			23 J
PEST/PCB (ppb)						
beta-BHC						
gamma-BHC						
Aldrin						
Heptachlor epoxide						
Endosulfan I						
Endosulfan II						
Dieldrin						
4,4'-DDE						
Endrin						
4,4'-DDD					7 J	
4,4'-DDT						
Methoxychlor						
Endrin Ketone						
Aroclor - 1248				1400 D	140 J	
Aroclor - 1254						

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4A**

Compound	Date	11/89	11/90	11/91	11/92	11/93
METALS (ppm)						
Aluminum			10200	9440	7110	
Antimony					1.3 B	
Arsenic			2.6	6.4	6.4	
Barium			82	172	165	
Cadmium			<0.67			
Calcium			6900	14700	5100	
Chromium			12	15.1	11.3	
Cobalt			6.1	7.7 B	5.2 B	
Copper			24	41.6	35	
Iron			16500	18700	14600	
Lead			88	53.5	32.1	
Magnesium			2520	3960	2860	
Manganese			240	837	907 N	
Mercury						
Nickel			12	28.8	16.1	
Potassium			1300	1180 B	755 B	
Silver					0.11 BN	
Sodium			511		413 B	
Vanadium			19	21.7	18.8	
Zinc			41	185	108	
Total Phenol					4.7	
Hexavalent Chromium			0.13 R	0.59	0.29 N	

Only detected results reported.

B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metal)

D - Concentration determined from secondary dilution.

J - Concentration < sample quantitation limit but > zero.

N - Spike sample recovery not within control limits.

R - Data rejected due to holding time violation.

* - Concentration detected from sample reanalysis.

..... - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4B**

Compound	Date	11/89	11/90	11/91	11/92	11/93
Acetone			16 B			
Benzene			0.09 J			
2-Butanone						
Chloroform						
Methylene chloride						
Toluene			1 BJ			
SEMI-VOLATILE (ppb)						
Phenol			51 J			
Benzyl Alcohol						
4-Methylphenol			110 J			
2,4-Dimethylphenol						
Benzoic acid			88 J			
Acenaphthylene						
Acenaphthene						
Diethylphthalate						
Fluorene						
Phenanthrene			59 J			
Anthracene						
Fluoranthene			110 BJ			
Pyrene			110 J			
Butylbenzyl phthalate						
Benzo (a) anthracene			69 J			
Chrysene			57 J			
bis (2-Ethylhexyl) phthalate			100 BJ			
Di-n-octyl phthalate						
Benzo (b) fluoranthene			56 J			
Benzo (k) fluoranthene			39 J			
Benzo (a) pyrene			45 J			
Indeno (1,2,3-cd) pyrene						
Dibenzo (a,h) anthracene						
Benzo (g,h,i) perylene						
PEST/PCB (ppb)						
beta-BHC						
gamma-BHC						
Aldrin						
Heptachlor epoxide						
Endosulfan I						
Endosulfan II						
Dieldrin						
4,4'-DDE			41 R			
Endrin						
4,4'-DDD						
4,4'-DDT						
Methoxychlor						
Endrin Ketone						
Aroclor - 1248						
Aroclor - 1254						

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-4B**

Compound	Date	11/89	11/90	11/91	11/92	11/93
METALS (ppm)						
Aluminum			5000			
Antimony						
Arsenic			5.6			
Barium			94			
Cadmium			0.62			
Calcium			5220			
Chromium			4.7			
Cobalt			3.9			
Copper			15			
Iron			89			
Lead			74			
Magnesium			2010			
Manganese			733			
Mercury			0.27			
Nickel			11			
Potassium			666			
Silver						
Sodium			301			
Vanadium			13			
Zinc			51			
Total Phenol						
Hexavalent Chromium			0.2 R			

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metal)
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.
 N - Spike sample recovery not within control limits.
 R - Data rejected due to holding time violation.
 * - Concentration detected from sample reanalysis.
 - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-5**

Compound	Date	11/89	11/90	11/91	11/92	11/93
Acetone						110
Benzene						
2-Butanone						0.8 J 9
Chloroform						
Methylene chloride						
Toluene						
SEMIVOLATILE (ppb)						
Phenol						
Benzyl Alcohol						
4-Methylphenol						
2,4-Dimethylphenol						
Benzoic acid						90 J
Acenaphthylene						
Acenaphthene						
Diethylphthalate						
Fluorene						
Phenanthrene				130 J	97 J	320 J
Anthracene						
Fluoranthene				260 J		720
Pyrene				250 J		390 J
Butylbenzyl phthalate						
Benzo (a) anthracene				150 J		350 J
Chrysene				130 J		390 J
bis (2-Ethylhexyl) phthalate				790 B		330 J
Di-n-octyl phthalate						
Benzo (b) fluoranthene						430 J
Benzo (k) fluoranthene						180 J
Benzo (a) pyrene				110 J		310 J
Indeno (1,2,3-cd) pyrene						140 J
Dibenzo (a,h) anthracene						32 J
Benzo (g,h,i) perylene						99 J
PEST/PCB (ppb)						
beta-BHC						
gamma-BHC						
Aldrin						
Heptachlor epoxide						
Endosulfan I				15 J		
Endosulfan II						
Dieldrin				40		
4,4'-DDE				9.5 J		
Endrin						
4,4'-DDD						
4,4'-DDT						
Methoxychlor						
Endrin Ketone						
Aroclor - 1248					360	
Aroclor - 1254					280	

**PAS SITE O&M - ANALYTICAL RESULTS
SEDIMENT: SS-5**

Compound	Date	11/89	11/90	11/91	11/92	11/93
METALS (ppm)						
Aluminum				11000	6370	
Antimony					1.8 B	
Arsenic				6.8	2.8	
Barium				2470	95.8	
Cadmium						
Calcium				18300 B	7240	
Chromium				17.8	8.8	
Cobalt				7.3 B	6.7 B	
Copper				54.2	28	
Iron				17200	14600	
Lead				74.1	20.7	
Magnesium				4410	3330	
Manganese				947	975 N	
Mercury						
Nickel				28.3	11.7	
Potassium				1030	782 B	
Silver					0.11 BN	
Sodium				564 B	255 B	
Vanadium				24.4	14.6	
Zinc				207	92	
Total Phenol						
Hexavalent Chromium				0.74	0.31 N	

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metal)
 D - Concentration determined from secondary dilution.
 J - Concentration < sample quantitation limit but > zero.
 N - Spike sample recovery not within control limits.
 R - Data rejected due to holding time violation.
 * - Concentration detected from sample reanalysis.
 - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
LEACHATE: LCW-2**

Compound	Date	11/89	5/90	11/90	5/91	11/91	5/92	11/92	5/93	11/93
VOLATILE (ppb)										
Acetone		5000			5100 BD	5800				
Benzene		1400			700 D	470 J				
2-Butanone		810			370 DJ					
Chlorobenzene		2900			1200 D	1000				
Chloroform		87 J			30 DJ	3900				
1,2-Dichloroethane		470			210 DJ					
1,1-Dichloroethylene						7500				
1,2-Dichloroethene (Total)		18000 E			12000 D					
Ethylbenzene		14000 E			8300 D					
Methylene chloride		1200 B								
Toluene		11000 E			8400 D					
Vinyl chloride		4000			980 DJ	500 J				
Xylenes (Total)		19000 E			17000 D	16000				
SEMIVOLATILE (ppb)										
Phenol		650				290				
1,2-Dichlorobenzene		120			110	69 J				
2-Methylphenol		60								
4-Methylphenol						1600				
2,4-Dimethylphenol		50			100					
Naphthalene		71			110	58 J				
N-Nitrosodiphenylamine					23					
Di-n-butylphthalate					0.65					
METALS (ppm)										
Aluminum		6812								
Arsenic		0.047								
Barium		0.849								
Calcium		259								
Iron		328								
Lead		0.035								
Magnesium		49.5								
Manganese		23.3								
Nickel		0.57								
Potassium		60.9								
Sodium		121								
Vanadium		0.019 B								
Zinc		0.033								

Only detected results reported.
 B - Compound detected in associated blank (organic); compound < contract required detection limits (CRDL) (metals).
 D - Concentration determined from secondary dilution.
 E - The value exceeds the linear range of calibration.
 J - Concentration < sample quantitation limit but > zero.
 - Not Analyzed

**PAS SITE O&M - ANALYTICAL RESULTS
LEACHATE RESULTS**

Compound	LCW-1		LCW-2		LCW-4			SWW-3			SWW-3D		SWW-11	
	11/90	5/91	11/91	5/91	11/90	5/91	11/91	11/90	5/91	11/91	5/91	11/90	5/91	11/91
BOD	303	290	265	2050	1850	2050	2040	2	9	18	3.7	29		2.1
COD	556	681	590	3590	3210	3590	3460	50	130	171	132	305	19	35
TKN	31	60	60	2140	170	2140	330	1.5	110	220	94	88	4	1.4
Total Phosphorus	0.024			0.18	0.52	0.18	0.26	0.26	0.1	0.19	0.31	2.6		0.27
TOC	218	272	278	1530	1080	1530	1340	7.4	57	72	60	112	9.9	10
TSS	156	70	39	176	548	176	120	1480	122	520	299	4880	54	253
TDS	1970	2650	1570	8300	6500	8300	6860	672	940	1120	900	1570	794	882

All results reported in ppm.
Only detected results reported.



New York State Department of Environmental Conservation

MEMORANDUM

TO: A.K. Gupta, Bureau of Construction Services
FROM: John Munn, Investigation Support Section, QA Group
SUBJECT: PAS Site: May '92 Split Sample Results and Draft
RI Report Comments
DATE: August 31, 1992

I have only two comments regarding the draft RI report.

1. It is inappropriate to conclude that 2,4-Dimethylphenol has shown a 61% increase over 6 months in LR-8 based on the three data points. Phenols are difficult to accurately and precisely quantify and the three sample results should be considered qualitatively. The only conclusion is 2,4-Dimethylphenol has not shown any apparent trend and is approximately 20-30ppb.
2. On page 4, change "Maphthalene" to "Naphthalene".

The May '92 split results sent to NYSDOH have been validated and compared to URS' data. Results agree between Recra and NYSDOH. A copy of the validation report is attached for your reference. Although minor problems in the NYSDOH analysis are noted, they have no impact on the data's use for split comparison. Copies of the results are included in the validation report.

Please see me if you have any questions.

cc: M. Serafini



New York State Department of Environmental Conservation

MEMORANDUM

TO: John Munn, Chemist, QA Section
 FROM: Joan Fleser, Chemist, QA Section
 SUBJECT: Review of PAS Site O&M Site #7-38-001 Splits

DATE: August 28, 1992

1. General Information -

Laboratory Name: NYSDOH Wadsworth Center for Laboratories and Research

Site: PAS Site O&M Site No. 7-38-001 (WA D002340-8)

SDG: 0512

Protocol: 1989 ASP

NYSDEC Project Manager: A.K. Gupta

For sample numbers and analyses requested, see accompanying charts.

For all sample numbers, repeated samples, matrix spike/MS duplicate/MS blank, sample matrix and dates for sample collection, receipt, extraction and analysis, see charts under appropriate sections.

The DOH lab has used the 9/87 and 12/91 revision of the reporting forms. As this package is being analyzed by under the 9/89 ASP the forms should correspond.

2. Sample Data Summary Package - The summary package was complete and arranged in the proper order.
3. Sample Turn Around Time - Data for all samples are due 30 days after receipt of the last sample in the SDG. The samples were received by the laboratory (VTSR) on 5/12/92 and the Bureau of Technical Services did not receive the data package until 7/31/92. The results were 49 days overdue. NOT compliant (A-44 18).
4. Chain of Custody - Samples were delivered on the evening of 5/12/92 at 8:25 and received by Gregg Dunn but they were not accessioned until 5/13/92 at 07:37. It is not clear from the chain of custody, that the samples were hand delivered from Mr. Dunn to Mr. Richard Terpenney who accessioned the samples or were they just stored over night until the next shift arrived in the morning? It should be noted where they were stored (i.e., locked cooler). This could jeopardize the validity of these samples if needed for litigation.
5. Sample Summary Forms - On these forms there is a column for Date Rec'd. at Lab. This date is the VTSR. The date the samples were delivered to DOH was 5/12/92 not 5/13/92 as listed. NOT compliant (B-183 II-D).

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LD3
LR6

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
RD092-0512-622301	921860	89CLP	89CLP		89CLP		CN
RD092-0512-622302	921861	89CLP	89CLP		89CLP		
TRIP BLANK	921862	89CLP					
RD092-0512-622302 MS	921863	89CLP			89CLP?		
RD092-0512-622302 MSB	921864	89CLP			89CLP		
MATRIX SPIKE BLANK	921865	89CLP			89CLP		
RD092-ENC512-622301	921009844					84CLP	84CLP
RD092-ENC512-622301B	921009845					84CLP	84CLP
RD092-ENC512-622302	921009846					84CLP	84CLP
RD092-ENC512-622302S	921009847					84CLP	84CLP

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DIVISION OF WATER

URS CONSULTANTS

CHAIN OF CUSTODY RECORD

PROJECT NO 35236-60		SITE NAME PAS - Oswego		STATION LOCATION	NO OF CONTAINERS	REMARKS
SAMPLERS (SIGNATURE)		SAMPLERS (SIGNATURE)				
STATION NO	DATE	TIME	COMP	GRAB		
LD-3	5/12/92	1105		PAS-LD-3	2	40ml VOA-UWP
LD-3	5/12/92	1106		PAS-LD-3	3	1 liter glass amber-UWP
LS-6	5/12/92	1415		PAS-LS-6	2	40ml VOA-UWP
LS-6	5/12/92	1415		PAS-LS-6	3	1 liter glass amber-UWP
LR-6	5/10/92	1305	014	PAS-LR-6	2	40ml VOA-UWP
LR-6	5/12/92	1305	014	PAS-LR-6	3	1 liter glass amber-UWP
LD-6	5/12/92	1430		PAS-LD-6	2	40ml VOA-UWP
LD-6	5/12/92	1430		PAS-LD-6	3	1 liter glass amber-UWP
LR3	5/12/92	1530		PAS-LR-3	2	40ml VOA-UWP
LR3	5/12/92	1530		PAS-LR-3	3	1 liter glass amber-UWP

RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	DATE TIME	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	DATE TIME

RELINQUISHED BY (SIGNATURE)	DATE/TIME	REMARKS
	5/13/92 1730	

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE TIME
	5-12-92 1730

Distribution Original accompanies shipment, copy to coordinator field files

URS CONSULTANTS

CHAIN OF CUSTODY RECORD

PROJECT NO		SITE NAME		STATION LOCATION		NO OF CONTAINERS	REMARKS
35236-00		PAS - Dewey P					
SAMPLERS (SIGNATURE)		DATE TIME COMP		GRAB			
LD-4	5/13/12	1130	X	PAS-LD-4		2	40ml vial - UVP
LD-4	5/13/12	1130	X	PAS-LD-4		3	1 liter glass amber - UVP
LD-5	5/13/12	1145	X	PAS-LD-5		2	40ml vial - UVP
LD-5	5/13/12	1145	X	PAS-LD-5		3	1 liter glass amber - UVP
LD-8	5/13/12	1230	X	PAS-LD-8		2	40ml vial - UVP
LD-8	5/13/12	1230	X	PAS-LD-8		3	1 liter glass amber - UVP
LR-8	5/13/12	1245	X	PAS-LR-8	MS/MSD	6	40ml vial - UVP
LR-8	5/13/12	1245	X	PAS-LR-8		9	1 liter glass amber - UVP

RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	DATE TIME	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
	5-13-12 1730				5/13/12 1730	

RECEIVED FOR LABORATORY BY

 DATE TIME 5-13-12 1730

Distribution Original accompanies shipment, copy to coordinator field files

URS CONSULTANTS

CHAIN OF CUSTODY RECORD

Pg 1 of 1

PROJECT NO 35236-00	SITE NAME PAS - Omega		STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	VOA		REMARKS	
	DATE	TIME											
	5/1/92	1415					X	PAS-LS-9	2	X		40 ml vial - UNP	
	5/1/92	1915					X	PAS-LS-9	3	X		1 liter glass amber - UNP	
	5/1/92	1800	5-11-92				X	PAS-LS-2	2	X		40 ml vial - UNP	
	5/1/92	1800	5-14-92				X	PAS-LS-2	3	X		1 liter glass amber - UNP	
	5/1/92	1835					X	PAS-LR-2	2	X		40 ml vial - UNP	
	5/1/92	1836					X	PAS-LR-2	3	X		1 liter glass amber - UNP	
	5/1/92	1900					X	PAS-LD-2	2	X		40 ml vial - UNP	
	5/1/92	1900					X	PAS-LD-2	3	X		1 liter glass amber - UNP	
	5/1/92	-					-	PAS-GWTB-1	1	X		40 ml vial - UNP	
	5/1/92	-					-	PAS-GWTB-1	1	X		40 ml vial - UNP	
RELINQUISHED BY (SIGNATURE)										DATE TIME	RECEIVED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)										DATE TIME	RECEIVED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)										DATE TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE TIME	REMARKS
										5-11-92	2100	5/12/92	1005

Distribution: Original accompanies shipment, copy to coordinator field files

Not Compliant

2. Volatiles -

A.* Holding Times and Sample Numbers - Holding times were not within the QC limits. See accompanying charts.

B.* Surrogate Recoveries - All recoveries were within the QC limits.

A random sample was chosen to confirm the lab's calculations. The results match. See comments.

C.* Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank - All recoveries were within the advisory QC limits.

A random sample was chosen to confirm the lab's calculations. The results match.

D. Blanks and Corresponding Samples -

<u>Blank</u>	<u>Samples</u>
VBLK01	622301 (LD-3), 622302 (LR-6)
VBLK02	0524TB, 622302MS, 622302MSD
VBLK03	0524HB, 0524BS

E.* Tune - The GC/MS Tune and Mass Calibrations met the QC requirements.

F.* Data - A random sample was chosen in order to confirm the laboratory's calculations. The results match. See comments and accompanying charts.

G.* Calibrations - Initial: One, 5 point calibration was run on 5/14/92. All values were within the QC limits.

Continuing: Two continuing calibrations were performed on 5/2 and 5/26/92. All results were within QC limits except for the following:

<u>Matrix</u>	<u>Instr.</u>	<u>Date</u>	<u>Time</u>	<u>Compound</u>	<u>RRF</u>	<u>%D</u>
water	70 2	5/21/92	10:18	Acetone	-	37.7

Random compounds were chosen in order to confirm calculations. Results match. See comments.

H. Internal Standards - All IS' were within the QC range.

I. Blanks - All samples were clean except for... See accompanying charts. See comments.

J. Comments -

1. See 2A:

The holding time was exceeded by 2 days. NOT compliant (I4).

2. See 2B:

$$622301/\text{Toluene} \quad \%R = \frac{Qd}{Qa} \times 100 = \frac{50.2}{50} \times 100 = 100\%$$

3. See 2C:

622302/Benzene

$$\text{MS \%R} = \frac{\text{SSR}-\text{SR}}{\text{SA}} \times 100 = \frac{51.0-0}{50.0} \times 100 = 102\%$$

$$\text{MSD} = \frac{D1-D2}{(\text{RPD})(D1+D2)/2} \times 100 = \frac{51.0-52.0}{(51.0+52.0)/2} \times 100 = -1.9\% \quad \begin{matrix} \text{mine} & \text{theirs} \\ & 0 \end{matrix}$$

I am not concerned in the difference between the two results for the RPD.

4. See 2E:

A. No Tune documentation at all was presented for the calibration standards.

B. No graph plot and mass listings were included. NOT compliant (E 15, 16 1.).

5. See 2F:

622302/1,1,1-Trichloroethane

$$\frac{Ax(I_s)}{Ais(\text{RRF})Vo} = \frac{7178(250)}{32624(.774)5} = 14.2$$

6. See 2G:

Chloroform

$$\text{Initial: } \text{RRF}/50 = \frac{Ax}{Ais} \times \frac{Cis}{Cx} = \frac{40626}{12951} \times \frac{50}{44.70} = 3.509 \quad \begin{matrix} \text{mine} & \text{theirs} \\ & 3.137 \end{matrix}$$

The difference in results comes from the fact that DOH uses the theoretical numbers of 50.0 as the concentration of the analyte instead of the actual real number of 44.70.

$$\text{Continuing: } \%D = \frac{\overline{\text{RRFI}}-\text{RRFc}}{\overline{\text{RRFI}}} \times 100 = \frac{3.103-3.419}{3.103} \times 100 = -10.2$$

The lab has the 10.2 result as a positive number

3. Semi-Volatiles -

A. Holding Times and Sample Numbers - All holding times were within the QC limits. See accompanying charts.

B.* Surrogate Recoveries - All recoveries were within the QC limits except for the following:

Sample	Standard	%R	QC Limits
622301	Phenol-d5	3	10-94
"	2-Fluorophenol	4	21-100

A random sample was chosen to confirm the lab's calculations. The results match. See comments.

C.* Matrix Spike/Matrix Spike Duplicate/MS Blank - All recoveries were within the advisory QC limits.

A random sample was chosen to confirm the lab's calculations. The results match. See comments.

D. Blanks and Corresponding Samples -

Blank	Samples
SBLK01	622301, 622302, 622302MS, 622302MSD, 4316BS

E.* Tune - GC/MS Tune and Mass Calibrations met the QC requirements.

F.* Data - There were no results for the TCL analytes for either sample. Both chromatograms were clean.

G.* Calibrations -

Initial: One, 5 point calibration was run on 1/10/92. All values were within the QC limits.

Continuing: Two, continuing calibrations were performed on 5/26 and 5/27/92. All results were within QC limits except for the following:

Matrix	Instr.	Date	Time	Compound	RRF	%D
water	88 1	5/26/92	15:19	4-chloroaniline	-	48.7
"	"	"	"	3-Nitroaniline	-	52.6
"	"	"	"	4-Nitrophenol	-	44.1
"	"	5/27/92	15:56	4-chloroaniline	-	61.5
"	"	"	"	3-Nitroaniline	-	60.8

Random compounds were chosen in order to confirm calculations. Results match. See comments.

H. Internal Standards - All IS' were within the QC range.

I. Blanks - All samples were clean. See accompanying charts.

*Non-compliant sample
Rerun was req'd. by
protocol (reanalysis)
(89-ES-5)*

*Non-compliant cont. cal.
%D > 20% - ES/51*

J. Comments -

1. See 3B:

A. 622301/Nitrobenzene-d5 $\%R = \frac{Qd}{Qa} \times 100$

$$\frac{33.06}{50.00} \times 100 = 66.1\%$$

Corrective action must be taken when 2 or more surrogates are outside of QC range. There is no indication that any corrective action was taken.

2. See 3C:

622302/Acenaphthene

$$\text{MS: } \frac{\text{SSR} - \text{SRx}}{\text{SA}} \times 100 = \frac{38.0 - 0}{51.0} \times 100 = 74.5\%$$

$$\text{MSD: } \frac{D1 - D2}{(D1 + D2)/100} \times 100 = \frac{38.0 - 43.0}{(38.0 + 43.0)/2} \times 100 = 12.3\%$$

The lab's result for the RPD was 11. This small difference could be due to internal rounding.

3. See 3E:

A. Both Tunes that were presented which included samples and blanks were within QC range. However, the Tune showing the initial calibration was missing. NOT compliant (E41,42 1.).

B. Bar graph spectrums and mass listings were not included. NOT compliant (E42 1.2).

4. See 3F:

There is a discrepancy in both samples between the sample volumes, the dilution factors and the higher CRQLs. Where both the samples have volumes of less than 1L one dilution factor indicates a concentration while the other shows it to be a dilution. In addition to the confusion on the Form I's nothing was mentioned in the Case Narrative concerning this. The whole section should be considered in question until the laboratory can straighten this out.

SAMPLE NON COMPLIANT

*NON COMPLIANT
CHARACTER DEFICIENCY*

EXPLANATION REQ'D.

5. See 3G:

Chrysene/80

$$\text{Initial: } \text{RRF} = \frac{A_x}{A_{is}} \times \frac{C_{is}}{C_x} = \frac{75638}{28007} \times \frac{40}{76.39} = 1.414 \quad \text{mine theirs} \quad 1.35$$

The lab uses the theoretical concentration recovery instead of the actual amount recovered.

$$\text{Continuing: } \%D = \frac{\overline{\text{RRFI}} - \text{RRFc}}{\text{RRFI}} \times 100 = \frac{1.353 - 1.185}{1.353} \times 100 = 12.4$$

6. This section contains manual crossouts, additions and/or corrections yet they were not initialed or dated. NOT compliant (F4 2.2).

Now Comment

well splits Sample to detector clean

SEMI-VOLATILE ANALYSIS RESULTS

Analyte	REACT	NOX	REACT	NOX	Sample Numbers															
	1-2-3	2-3 (62232)	1-2-3	1-2-3 (62232)																
Matrix: <i>water</i>																				
Units: <i>µg/l</i>																				
dilution																				
Phenol																				
bis(2-chloroethyl) ether																				
2-Chlorophenol																				
1,3-Dichlorobenzene																				
1,4-Dichlorobenzene																				
Benzyl Alcohol																				
1,2-Dichlorobenzene																				
2-Methylphenol																				
bis(2-Chloroisopropyl) ether																				
4-Methylphenol																				
N-Nitroso-di-n-propylamine																				
Hexachloroethane																				
Nitrobenzene																				
Isophorone																				
2-Nitrophenol																				
2,4-Dimethylphenol																				
Benzoic Acid																				
bis(2-Chloroethoxy)methane																				
2,4-Dichlorophenol																				
1,2,4-Trichlorobenzene																				
Naphthalene																				
4-Chloroaniline																				
Hexachlorobutadiene																				
4-Chloro-3-methylphenol																				
2-Methylnaphthalene																				
Hexachlorocyclopentadiene																				
2,4,6-Trichlorophenol																				
2,4,5-Trichlorophenol																				
2-Chloronaphthalene																				
2-Nitroaniline																				
Dimethylphthalate																				
Acenaphthylene																				
2,6-Dinitrotoluene																				
3-Nitroaniline																				
Acenaphthene																				

negative not negative for Semi-Volatile for Analysis Results

Analyte	dilution	10-3	10-3	10-3	10-3															
2,4-Dinitrophenol																				
4-Nitrophenol																				
Di-benzofuran																				
2,4-Dinitrotoluene																				
Dialkylphthalate																				
4-Chlorophenyl-phenylether																				
Fluorene																				
4-Nitroaniline																				
4,6-Dinitro-2-methylphenol																				
N-Nitrosodiphenylamine (1)																				
4-Bromophenyl-phenylether																				
Hexachlorobenzene																				
Pentachlorophenol																				
Phenanthrene																				
Anthracene																				
Di-n-butylphthalate																				
Fluoranthene																				
Pyrene																				
Butylbenzylphthalate																				
3,3'-Dichlorobenzidine																				
Benzo(a)anthracene																				
Chrysene																				
bis(2-Ethylhexyl)phthalate																				
Di-n-octylphthalate																				
Benzo(b)fluoranthene																				
Benzo(k)fluoranthene																				
Benzo(a)pyrene																				
Indeno(1,2,3-cd)pyrene																				
Di-benzo(a,h)anthracene																				
Benzo(g,h,i)perylene																				

4. Pesticides/PCBs -

A. Holding Times and Sample Numbers - All samples were extracted and run within the proper holding times. See accompanying charts.

B.* Surrogate Recoveries - All recoveries were within advisory QC limits.

A random sample was chosen in order to confirm the laboratory's calculations. The results match. See comments.

C.* Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank - All recoveries were inside the advisory QC limits.

A random sample was chosen to confirm the laboratory calculations. Results match. See comments.

D. Blanks and Corresponding Samples -

<u>Blank</u>	<u>Samples</u>
PBLK01	622301, 622301, 622302, 622302, 6772BS, 622302MS, 622302MSD

E.* Evaluation Check for Linearity - All results were \leq 10% RSD except for Aldrin which was 10.9% on column DB608. On column DB-5 all %RSD's were greater than 10.0%.

F. 4,4'-DDT/Endrin Breakdown - All breakdowns were $<$ 20%.

G.* DBC Retention Time Shifts - All results were within the QC limits except for Toxaphene.

H. Standards Summary - All standard's %D were \leq 15% for quantitation and \leq 20% for confirmation.

I. Blanks - All results were negative.

J. Data - See accompanying charts.

K. Comments -

1. See 4B:

$$\%R = \frac{Qd}{Qa} \times 100 \quad \frac{0.069}{0.1} \times 100 = 69\%$$

2. See 4C:

622302/Heptachlor

$$MS: \frac{SSR-SR}{SA} \times 100 = \frac{0.194-0}{0.200} \times 100 = 97\%$$

Not Compliant

Not Compliant

$$\text{MSD: } \frac{D1-D2}{(D1+D2)/2} \times 100 = \frac{0.194-0.171}{(0.194+0.171)/2} \times 100 = 12.6\%$$

3. See 4E:

On column DB608 the RSD for Aldrin was greater than 10%. This column is being used for quantitation. As this is the only evaluation check for linearity, it does not appear as if any corrective measures were taken. NOT compliant (E-77 4.3.3.3).

4. See 4G:

Toxaphene was reported as being outside QC limits. Replicate standards are suppose to be continuously injected until standards are within QC limit. Only one set of standards appear to have been run and there was nothing mentioned in the case narrative. NOT compliant (E-74 4.2.2.2.).

5. Throughout this section there have been manual calculations, labeling, relabeling and corrections. Yet none of them were initialed or dated. NOT compliant (F4 2.2).

Non-Compliant

Completed 5/12/42

Pesticide Results

Units: ppm
Matrix: soil

ANALYTE	dilution	SAMPLE NUMBERS																		
		15-21	22-28	29-35	36-42	43-49	50-56	57-63	64-70	71-77	78-84									
alpha-BHC																				
beta-BHC																				
delta-BHC																				
gamma-BHC (Lindane)																				
Heptachlor																				
Aldrin																				
Heptachlor epoxide																				
Endosulfan I																				
Dieldrin																				
4,4'-DDE																				
Endrin																				
Endosulfan II																				
4,4'-DDD																				
Endosulfate																				
4,4'-DDT																				
Methoxychlor																				
Endrin Ketone																				
alpha-Chlordane																				
gamma-Chlordane																				
Toxaphene																				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				
Aroclor-1242																				
Aroclor-1248																				
Aroclor-1254																				
Aroclor-1260																				

NO RESULTS

5. Metals -

*CN -
Non-Compliant*

- A.* Holding Times and Sample Numbers - All samples were extracted and run within the holding times except for sample 622301 and 622301D for cyanide. See accompanying forms.
- B. Calibrations - All Initial and Continuing Calibrations were within QC limits.
- C. CRDL Standards for AA & ICP - Recoveries for the AA standards range from 80.0-123.4% and for ICP 91.7 to 124%. As no QC limits have been set at this time, compliancy is not in question.
- D. Blanks - No blank has a result higher than the CRQL.
- E. ICP Interference Check Sample - All results were within $\pm 20\%$ R.

- F.* Matrix Spike/Matrix Spike Duplicate Results - All were within the QC limits except for the following:

<u>Sample</u>	<u>Matrix</u>	<u>Analyte</u>	<u>%R</u>	<u>RPD</u>
622302	water	Selenium	58.9	--
"	"	Thallium	27.4	--

- G.* Laboratory Control Sample - All were within 80-120%R of the QC range.
- H. Standard Addition - The requirements were not fulfilled which would necessitate data to be calculated by MSA.
- I.* Serial Dilutions - It was performed on sample 622301. All results agreed within $\pm 10\%$ except for the following. See comments.

<u>Analyte</u>	<u>%D</u>
Nickel	11.4

- J. Instrument Detection Limits - All IDL reports were submitted. All analytes were analyzed within the 3 month period and all were less than or equal to the CRDL.
- K. Interelement Correction Factors and ICP Linear Ranges reports were submitted. All were within the proper time frame and CLP requirements.
- L. All preparation, Analysis Run and Digestion Logs were presented.
- M. Data - See accompanying charts and comments.

*Non-Compliant
CORRECTIONS*

*CORRECTIONS
REQ'D.*

N. Comments -

1. See 5A:

The VTSR for the sample was 5/12/92. According to the Preparation Log it was prepared on 5/26/92. This is two days over the 12 day holding time. NOT compliant (I4).

2. See 5F:

The listed spikes were outside of QC range and were properly labeled with an "N". Yet, on further review, the sample result did not exceed 4x the spike added. This result would require a post-digestion spike to be performed. It does not appear to have been done. Not compliant (E-111 6.).

3. See 5I:

The sample results did not fulfill the requirements in which an "E" flag would be necessary.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Lab Name: NYS DOH - LINC.

Case No.: RD092 SDG No.: EN0512

Date Rec'd at Lab : 5/13/92

Laboratory Sample No.	Matrix	Analysis Requested																				Date				
		Al	Ba	As	Bb	Bc	Ca	Co	Cd	Cu	Fa	Pb	Mn	Ni	Hg	K	Na	Ag	Mo	Ti	V	Zn	Cu	DIG./DIST.	Date Analyzed	
921009844	WATER	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			5/22/92	6/1/92	
		X																							5/22/92	6/3/92
			X										X						X						5/22/92	6/5/92
				X																X					5/22/92	6/4/92
																					X				5/22/92	6/6/92
															X										5/27/92	5/27/92
																								X	5/26/92	5/26/92
921009845	WATER	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			5/22/92	6/1/92	
		X																						5/22/92	6/3/92	
			X										X						X					5/22/92	6/5/92	
				X																X					5/22/92	6/4/92
																					X				5/22/92	6/6/92
															X										5/27/92	5/27/92
																								X	5/26/92	5/26/92
921009846	WATER	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			5/22/92	6/1/92	
		X																						5/22/92	6/3/92	
			X										X						X					5/22/92	6/5/92	
				X																X					5/22/92	6/4/92
																					X				5/22/92	6/6/92
															X										5/27/92	5/27/92
																								X	5/22/92	5/26/92
921009847	WATER	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			5/22/92	6/1/92	
		X																						5/22/92	6/3/92	
			X										X						X					5/22/92	6/5/92	
				X																X					5/22/92	6/4/92
																					X				5/22/92	6/6/92
															X										5/27/92	5/27/92
																								X	5/22/92	5/26/92

Comments:

Well splits - Sampled 5/12/92

Organic Sample Results

Sample Number	DOH (62230) L15 3	DOH (62230) L16				
Matrix	water	→				
Units	mg/L	→				
Analyte						
Aluminum	253					
Antimony						
Arsenic	12.2					
Barium	1794	239				
Beryllium						
Cadmium						
Calcium	584000	114000				
Chromium	10.28					
Cobalt						
Copper						
Iron	2700	1516				
Lead	W	13				
Magnesium	32300	99000				
Manganese	313	1.00				
Mercury						
Nickel	1.30					
Potassium	1303	1301				
Selenium	2.90	1.10				
Silver						
Sodium	32200	27000				
Zinc	W	N				
Vanadium						
Chlorine	327	13.0				
Fluoride	0.588	1.00				

Comparison of Split Sample Results - Both RECRA and DOH analyzed the two samples LD-3 and LR-6 for volatiles and semi-volatiles.

All result numbers matched remarkably well. The two volatile results that were above the CRQL were identical for 1,1-Dichloroethane at 14 ug/l and for 1,1,1-Trichloroethane, RECRA showed 17ppb while DOH report 14ppb. All other numbers were below the CRQL. DOH did show 4 results that RECRA did not have. They were all below the CRQL and all but one was qualified by a "B".

For Semi-Volatiles the only result that was shown by either lab was a 6J for bis(2-Ethylhexyl)phthalate by RECRA. DOH did have a problem with it's acid surrogate recovery. 2 out of 3 were not within QC range. I can not compare this with RECRA as they did not submit any QC data.

cc: M. Serafini

Request for Analysis

For Laboratory Use: Lab Accession Number 921009846 Sample ID 92-05-13
 Test Date 5-22-92 Year 92 Month 05 Day 13 Military Hour 00-24

Please print all information legibly in ink.

Program CEIC Program Name Bureau of Construction Services (DEC)

Source OSWEGON Project CLP

District New York New York Gazetteer No. 02 Town OSWEGON

Latitude 43° 00' 00" N Longitude 73° 00' 00" W

Z-District OSWEGON

Location OSWEGON - PLEASE acknowledge how to reach location LI.

(Handwritten circle containing "PAS")

EXACT DESCRIPTION OF LOCATION (name of town, street address, precise sampling point) 58 character maximum. PRINT.

RE: 92-05-13-2-6-2302

Time	Temperature (Field)	Barometer	Wind	Direction	Speed	Relative Humidity	Clouds	Other
9:25 AM	24	1013	0			60		
9:30 AM	23							

Type of Sample 1.5 L Date 5/22/92
 COB OSWEGON OBSERVATIONS REASON FOR COLLECTION (Do not check routine surveillance)
 Turbidity Disasters (F) New Facility Other (H) Other (J)

Report to OSWEGON PHC
 Submitted by OSWEGON
 Phone 518-338-5252

- | | | |
|---|---|---|
| <input type="checkbox"/> Potable Water
<input type="checkbox"/> Drinking Water
<input type="checkbox"/> Surface Water
<input type="checkbox"/> Ground Water
<input type="checkbox"/> Wastewater
<input type="checkbox"/> Other | <input type="checkbox"/> PCBs
<input type="checkbox"/> Pesticides
<input type="checkbox"/> Priority Pollutants
<input type="checkbox"/> Dioxin/Furan | <input type="checkbox"/> Inorganic Chemistry
<input type="checkbox"/> Potable Water
<input type="checkbox"/> Fluoride
<input type="checkbox"/> Nitrate
<input type="checkbox"/> Trace Metals
<input type="checkbox"/> WOSN
<input checked="" type="checkbox"/> Other <u>CLP</u>
<input checked="" type="checkbox"/> <u>8 CLP</u> |
|---|---|---|

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622302

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921861

Sample wt/vol: 5.0 (g/mL) mL

Lab File ID: >0521H

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Analyzed: 5/21/92

Column: (pack/cap) PACK

Dilution Factor: 1.0

*LR-6
PAS*

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	5.	J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	.3	JB
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	14.	
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	.3	J
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	14.	
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622302

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921861A

Sample wt/vol: 990 (g/mL) mL

Lab File ID: >G0526

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Extracted: 5/15/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 5/26/92

GPC Cleanup: (Y/N) N

Dilution Factor: 1.021

*LR-6
PAS*

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	49.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	49.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	49.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622302

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921861A

Sample wt/vol: 990 (g/mL) mL

Lab File ID: >G0526

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Extracted: 5/15/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 5/26/92

GPC Cleanup: (Y/N) N

Dilution Factor: 1.021

LR-6
PAS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	49.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	49.	U
100-02-7	4-Nitrophenol	49.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	49.	U
534-52-1	4,6-Dinitro-2-methylphenol	49.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	49.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenzo(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622301

Lab Name: NYSDOH LOAC/MS	Contract:	
Lab Code: WCLR	Case No.: RD092	SAS No.: SDG No.: 0512
Matrix: (soil/water) WATER		Lab Sample ID: 921860A
Sample wt/vol: 1000 (g/mL) ML		Lab File ID:
Level: (low/med) LOW		Date Received: 05/13/92
% Moisture: not dec. dec.		Date Extracted: 05/15/92
Extraction: (SepF/Cont/Sonc) SEPF		Date Analyzed: 05/21/92
GPC Cleanup: (Y/N) N	pH:	Dilution Factor: 1.00

LR-6
PAS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

622302

Lab Name: NYS DOH

Contract:

Lab Code: HP002

Case No.: RD092

SAS No.:

SDG No.: 0512

*LR-6
PAS*

Matrix: (soil/water) WATER

Lab Sample ID: 921861

Sample wt/vol: 5 (g/mL) mL

Lab File ID: >0521H

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Analyzed: 5/21/92

Column: PACK

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	No volatile compounds found.			
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

622302

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921861A

Sample wt/vol: 990 (g/mL) mL

Lab File ID: >G0526

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Extracted: 5/15/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 5/26/92

GPC Cleanup: (Y/N) N

Dilution Factor: 1.02

*LR-6
PAS*

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Benzene, methyl- (9CI)	4.04	260.	B
2. 2199691	1,2-Dichlorobenzene-d4 (surr	11.08	24.	B
3. 2873974	2-Propenamide, N-(1,1-dimeth	15.71	96.	
4. 98544	Phenol, 4-(1,1-dimethylethyl	16.61	3.	
5.	Unknown	21.61	12.	
6.	Unknown (tribromophenol deri	26.08	6.	
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N. Y. DEC - CLP
I
INORGANIC ANALYSIS DATA SHEET

DEC SAMPLE NO.

622302

NAME: NYSDOH - LINC

CONTRACT: _____

LAB CODE: 10762

Case No.: RD092

SAS No.:

SDG No.: EN0512

Matrix (soil/water): WATER

Lab Sample ID : 921009846

Level (low/med): MED

Date Received : 5/13/92

*LR-6
PAS*

% Solids :

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.0	U		P
7440-36-0	Antimony	2.1	U		F
7440-38-2	Arsenic	2.8	U		F
7440-39-3	Barium	289.			P
7440-41-7	Beryllium	0.50	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	114000.			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	7.0	U		P
7439-89-6	Iron	1310.			P
7439-92-1	Lead	1.3	U	W	F
7439-95-4	Magnesium	29800.			P
7439-96-5	Manganese	1600.			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	12.0	U		P
7440-09-7	Potassium	2380.	B		P
7782-49-2	Selenium	2.2	B	N	F
7440-22-4	Silver	0.63	U		F
7440-23-5	Sodium	59500.			P
7440-28-8	Thallium	6.8	U	N	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	11.8	B		P
	Cyanide	0.03	B		C

Color Before: yellow

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

CYANIDE ALIQUOT WAS CLOUDY AND BROWN UPON RECEIPT

BECAUSE OF INSUFFICIENT SAMPLE, 400ML WAS USED FOR CYANIDE SPIKE

Request for Analysis

For Laboratory Use Only Lab Accession Number 921009844 Sample Rec'd 92-05-13 Military Hour 00-24
Test Pattern 10-225 Year Month Day

Please print all information legibly in ink.

Program Code 6310 Program Name DEC. BUREAU OF CONSTRUCTION SERVICES
Source Number _____ County OSWEGO Project: CLP
Drainage Basin _____ Name _____ New York Gazetteer No. 3702 Town OSWEGO
Latitude 4 ° _____ ' _____ " N Longitude 7 ° _____ ' _____ " W
Z Direction, altitude or depth, include units _____

PAS

LOCATION: 60 character maximum. PLEASE PRINT.
GROUNDWATER MONITORING WELL LD3

EXACT DESCRIPTION OF SITE: (name of resident, street address, precise sampling point) 58 character maximum. PLEASE PRINT.
POLLUTION ABATEMENT SERVICES SITE
RD092-0512-622301

TIME OF SAMPLING	Chlorine Residual (Field)		Sample Temp.
	Free	Total	
Grab/Composite Finish Year Month Day Mil hrs. 00-23 Minute	24 CHLORPES	23 CHLORPES	°C
Composite Start _____			

Type of Sample (Select from list) 191 Description GROUNDWATER

COMPLAINTS, OBSERVATIONS, REASONS FOR SUBMISSION (Do not check if routine surveillance)
 Illness (A) Turbidity (C) Natural Disaster (E) New Equip. or Proc. (G) Interruption in Chlorination (I)
 Taste/Odor (B) Color (D) Fishkill (F) Equip. Failure (H) Other (J)

Chain of custody form accompanying sample

Report Results CO _____ RO _____ LPHE _____
To (No. of copies) FED _____ INFO _____ LAB _____
Submitted by J. M. V. N. N.
Phone Number (518) 457-3252

Special Mail Code _____
Additional Information Regarding This Sample
SEE ATTACHED SHEETS
ANALYZE FOR TCL + 30 TICS AND TAL BY NYSDIC 89
ASPT. CLP PROVIDE CLP REPORTING FORMAT.

- | | | |
|--|--|---|
| <p>Sanitary Bacteriology</p> <input type="checkbox"/> Total Coliforms MF Chlorinated Potable Water
<input type="checkbox"/> Total Coliforms MF & SPC Unchlorinated Potable Water
<input type="checkbox"/> Total & Fecal Coliforms MF Nonpotable Surface Water
<input type="checkbox"/> Total Coliforms MPN & SPC Potable Water
<input type="checkbox"/> Total & Fecal Coliforms MPN Chlorinated Waste Water
<input type="checkbox"/> Other _____ | <p>Organic Chemistry</p> <input type="checkbox"/> Insecticides <input type="checkbox"/> Expanded List
<input type="checkbox"/> Herbicides
<input type="checkbox"/> PCBs
<input type="checkbox"/> Purgeable Halocarbons
<input type="checkbox"/> Purgeable Aromatics
<input type="checkbox"/> Nitrogen/Phosphorus Pesticides
<input type="checkbox"/> Petroleum Products
<input type="checkbox"/> Priority Pollutants
<input type="checkbox"/> Dioxin/Furan
<input type="checkbox"/> Ketones
<input checked="" type="checkbox"/> Other <u>CLP VIA SVAP</u>
<u>PES/PLA, ALIQUOT</u>
<u>2 LITERS</u> | <p>Inorganic Chemistry</p> <input type="checkbox"/> Potable Water, OCSS-I
<input type="checkbox"/> Fluoride
<input type="checkbox"/> Nitrate
<input type="checkbox"/> Trace Metals, HSL
<input type="checkbox"/> WQSN
<input checked="" type="checkbox"/> Other <u>CLP METALS + C/P.N.R. - (CLP)</u>
<p>Nuclear Chemistry</p> <input type="checkbox"/> Scheduled Analysis
<input type="checkbox"/> Other _____ |
|--|--|---|

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622301

Lab Name: NYS DOH

Contract:

Lab Code: HP002

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921860

LD-3
PAS

Sample wt/vol: 5.0 (g/mL) mL

Lab File ID: >0521G

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Analyzed: 5/21/92

Column: (pack/cap) PACK

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	.5	JB
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	2.	J
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	2.	J
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622301

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921860A

LD-3

Sample wt/vol: 995 (g/mL) mL

Lab File ID: >F0526

PAS

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Extracted: 5/15/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 5/26/92

GPC Cleanup: (Y/N) N

Dilution Factor: .975

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	51.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	51.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	51.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622301

Lab Name: WCLR

Contract:

Lab Code: 10763

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921860A

LD-3

Sample wt/vol: 995 (g/mL) mL

Lab File ID: >F0526

PAS

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Extracted: 5/15/92

Extraction: (Sepf/Cont/Sonc) SONC

Date Analyzed: 5/26/92

GPC Cleanup: (Y/N) N

Dilution Factor: .975

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	51.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	51.	U
100-02-7	4-Nitrophenol	51.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	51.	U
534-52-1	4,6-Dinitro-2-methylphenol	51.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	51.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	21.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenzo(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

622301

Lab Name: NYSDOH LOAC/MS

Contract:

Lab Code: WCLR

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921860B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

Level: (low/med) LOW

Date Received: 05/13/92

% Moisture: not dec. dec.

Date Extracted: 05/15/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 05/21/92

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

LD-3
PAS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

622301

Lab Name: NYS DOH

Contract:

Lab Code: HP002

Case No.: RD092

SAS No.:

SDG No.: 0512

Matrix: (soil/water) WATER

Lab Sample ID: 921860

LD-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: >0521G

PAS

Level: (low/med) LOW

Date Received: 5/13/92

% Moisture:

Date Analyzed: 5/21/92

Column: PACK

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	No volatile compounds found.			
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

622301

Lab Name: WCLR Contract: _____
 Lab Code: 10763 Case No.: RD092 SAS No.: _____ SDG No.: 0512
 Matrix: (soil/water) WATER Lab Sample ID: 921860A
 Sample wt/vol: 995 (g/mL) mL Lab File ID: >F0526
 Level: (low/med) LOW Date Received: 5/13/92
 % Moisture: Date Extracted: 5/15/92
 Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 5/26/92
 GPC Cleanup: (Y/N) N Dilution Factor: .98

LD-3
PAS

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Benzene, methyl- (9CI)	4.05	260.	B
2.	Unknown	4.57	5.	B
3.	Unknown	9.71	59.	
4. 2199691	1,2-Dichlorobenzene-d4 (surr	11.08	25.	B
5. 2873974	2-Propenamide, N-(1,1-dimeth	15.67	14.	
6. 3647743	4,7-Methano-1h-isoindole-1,3	20.61	4.	
7.	Unknown	24.97	5.	
8.				
9.				
10.				
11.				
12.				
13.				
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28.				
29.				
30.				

N. Y. DEC - CLP
I
INORGANIC ANALYSIS DATA SHEET

DEC SAMPLE NO.

622301

NAME: NYSDOH - LINC

CONTRACT: _____

LAB CODE: 10762

Case No.: RD092

SAS No.:

SDG No.: EN0512

Matrix (soil/water): WATER

Lab Sample ID : 921009844

LD-3
PAS

Level (low/med): MED

Date Received : 5/13/92

% Solids :

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	253.	-		P
7440-36-0	Antimony	2.1	U		F
7440-38-2	Arsenic	17.2	-		F
7440-39-3	Barium	794.	-		P
7440-41-7	Beryllium	0.50	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	284000.	-		P
7440-47-3	Chromium	6.6	B		P
7440-48-4	Cobalt	10.0	U		P
7440-50-8	Copper	7.0	U		P
7439-89-6	Iron	17800.	-		P
7439-92-1	Lead	1.3	U	W	F
7439-95-4	Magnesium	92300.	-		P
7439-96-5	Manganese	5110.	-		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	396.	-		P
7440-09-7	Potassium	4130.	B		P
7782-49-2	Selenium	2.1	B	N	F
7440-22-4	Silver	0.63	U		F
7440-23-5	Sodium	97700.	-		P
7440-28-8	Thallium	6.8	U	N	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	22.8	-		P
	Cyanide	0.65	B		C

Color Before: yellow

Clarity Before: clear

Texture:

Color After: yellow

Clarity After: clear

Artifacts:

Comments:

CYANIDE ALIQUOT WAS CLOUDY AND BROWN UPON RECEIPT

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921009844 SAMPLE RECEIVED: 92/05/13/11 CHARGE: 8.44
 PROGRAM: 6310:DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUND MONITORING WELL LD3
 DESCRIPTION: POLLUTION ABATEMENT SERVICES SITE RD 092-0512-622301
 REPORTING LAB: 10:LABORATORY OF INDRGANIC ANALYTICAL CHEMISTRY - ALBANY
 TEST PATTERN: 10-225:WATER - CLP ANALYSES AND DATA PACKAGE
 SAMPLE TYPE: 295:DUPLICATE - INTERNAL QUALITY CONTROL
 TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED: 92/06/26

PAS

ANALYSIS: 10-225 WATER - CLP ANALYSES AND DATA PACKAGE

-----PARAMETER-----	-----RESULT-----
ALUMINUM	253. MCG/L
ANTIMONY	2.1 MCG/L
ARSENIC	17.2 MCG/L
BARIUM	794. MCG/L
BERYLLIUM	0.50 MCG/L
CADMIUM	5.0 MCG/L
CALCIUM	284000. MCG/L
CHROMIUM	6.6 MCG/L
COBALT	10.0 MCG/L
COPPER	7.0 MCG/L
IRON	17800. MCG/L
LEAD	1.3 MCG/L
MAGNESIUM	92300. MCG/L
MANGANESE	5110. MCG/L
MERCURY	0.10 MCG/L
NICKEL	396. MCG/L
POTASSIUM	4130. MCG/L
SELENIUM	2.1 MCG/L
SILVER	0.63 MCG/L
SODIUM	97700. MCG/L
THALLIUM	6.8 MCG/L
VANADIUM	6.0 MCG/L
ZINC	22.8 MCG/L
CYANIDE	0.65 MCG/L

**** END OF REPORT ****

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PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921009845 SAMPLE RECEIVED: 92/05/13/11 CHARGE: 8.44
PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: INORGANIC CHEMISTRY - DUPLICATE SAMPLE
DESCRIPTION: DUPLICATE OF 921009844
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-225: WATER - CLP ANALYSES AND DATA PACKAGE
SAMPLE TYPE: 295: DUPLICATE - INTERNAL QUALITY CONTROL
TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED: 92/06/26

ANALYSIS: 10-225 WATER - CLP ANALYSES AND DATA PACKAGE

-----PARAMETER-----	-----RESULT-----
ALUMINUM	299.0 MCG/L
ANTIMONY	2.10 MCG/L
ARSENIC	17.67 MCG/L
BARIUM	810.0 MCG/L
BERYLLIUM	0.50 MCG/L
CADMIUM	5.00 MCG/L
CALCIUM	287000. MCG/L
CHROMIUM	4.53 MCG/L
COBALT	10.0 MCG/L
COPPER	7.0 MCG/L
IRON	18100. MCG/L
LEAD	1.26 MCG/L
MAGNESIUM	93700. MCG/L
MANGANESE	5177. MCG/L
MERCURY	0.10 MCG/L
NICKEL	393.0 MCG/L
POTASSIUM	3970. MCG/L
SELENIUM	2.37 MCG/L
SILVER	0.63 MCG/L
SODIUM	99900. MCG/L
THALLIUM	6.83 MCG/L
VANADIUM	6.00 MCG/L
ZINC	30.7 MCG/L
CYANIDE	0.651 MCG/L

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921009846 SAMPLE RECEIVED: 92/05/13/11 CHARGE: 8.44
PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GROUNDWATER MONITORING WELL LR6
DESCRIPTION: POLLUTION ABATEMENT SERVICES SITE RD092-0512-622302
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-225: WATER - CLP ANALYSES AND DATA PACKAGE
SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/06/26

ANALYSIS: 10-225 WATER - CLP ANALYSES AND DATA PACKAGE

-----PARAMETER-----	-----RESULT-----
ALUMINUM	40.0 MCG/L
ANTIMONY	2.1 MCG/L
ARSENIC	2.8 MCG/L
BARIUM	289. MCG/L
BERYLLIUM	0.50 MCG/L
CADMIUM	5.0 MCG/L
CALCIUM	114000. MCG/L
CHROMIUM	3.0 MCG/L
COBALT	10.0 MCG/L
COPPER	7.0 MCG/L
IRON	1310. MCG/L
LEAD	1.3 MCG/L
MAGNESIUM	29800. MCG/L
MANGANESE	1600. MCG/L
MERCURY	0.10 MCG/L
NICKEL	12.0 MCG/L
POTASSIUM	2380. MCG/L
SELENIUM	2.2 MCG/L
SILVER	0.63 MCG/L
SODIUM	59500. MCG/L
THALLIUM	6.8 MCG/L
VANADIUM	6.0 MCG/L
ZINC	11.8 MCG/L
CYANIDE	0.03 MCG/L

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921009847 SAMPLE RECEIVED: 92/05/13/11 CHARGE: 7.48
PROGRAM: 6310:DIY:HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: INORGANIC CHEMISTRY - SPIKED SAMPLE
DESCRIPTION: SPIKE OF 921009846
REPORTING LAB: TO: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-225: WATER - CLP ANALYSES AND DATA PACKAGE
SAMPLE TYPE: 296: LABORATORY SPIKE - INTERNAL QUALITY CONTROL
TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/06/26

ANALYSIS: 10-225 WATER - CLP ANALYSES AND DATA PACKAGE

-----PARAMETER-----	-----RESULT-----
ALUMINUM	1820. MCG/L
ANTIMONY	109.1 MCG/L
ARSENIC	35.3 MCG/L
BARIUM	2380. MCG/L
BERYLLIUM	48.5 MCG/L
CADMIUM	44.7 MCG/L
CHROMIUM	183.0 MCG/L
COBALT	455.0 MCG/L
COPPER	239.0 MCG/L
IRON	2280. MCG/L
LEAD	16.69 MCG/L
MANGANESE	2050. MCG/L
MERCURY	1.03 MCG/L
NICKEL	474.0 MCG/L
SELENIUM	8.13 MCG/L
SILVER	10.93 MCG/L
THALLIUM	13.69 MCG/L
VANADIUM	481.0 MCG/L
ZINC	479.0 MCG/L
CYANIDE	97.90 MCG/L

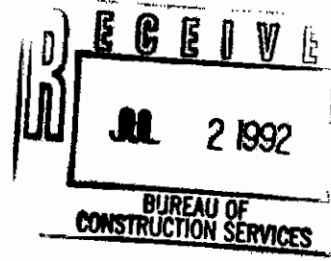
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PAGE 1 RESULTS OF EXAMINATION INTERIM REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED:92/05/13/ CHARGE: 8.50
PROGRAM: 6310:DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:3702
POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GROUNDWATER MONITORING WELL LD 3
DESCRIPTION:POLLUTION ABATEMENT SERVICES SITE
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: CLPW-1:CLP WATER CONTRACT LAB PROTOCOL,
SAMPLE TYPE: 191:TEST WELL OR MONITORING WELL
TIME OF SAMPLING: 92/05/12 10:55 LAST ACTION DATE:92/07/28

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water DATE PRINTED: 92/07/29 FINISHED

PARAMETER	RESULT
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	< 0.05 MCG/L
HCH, GAMMA (LINDANE)	< 0.05 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	< 0.05 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	< 0.10 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	< 0.10 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	< 0.10 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L

*** CONTINUED ON NEXT PAGE ***

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PAGE 2

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50

POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO

LOCATION: GROUNDWATER MONITORING WELL LD 3

TIME OF SAMPLING: 92/05/12 10:55 LAST ACTION DATE: 92/07/28

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

PARAMETER	RESULT
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

*** END OF REPORT ***

PAGE 1

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: POLLUTION ABATEMENT SERVICES SITE
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 12:00 LAST ACTION DATE: 92/07/28

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
 *** SUBJECT TO FINAL REVIEW AND REVISION. ***

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT
 ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT
 ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water DATE PRINTED: 92/07/29 FINISHED

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	< 0.05 MCG/L
HCH, GAMMA (LINDANE)	< 0.05 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	< 0.05 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	< 0.10 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	< 0.10 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	< 0.10 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L

*** CONTINUED ON NEXT PAGE ***

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PAGE 2

RESULTS OF EXAMINATION

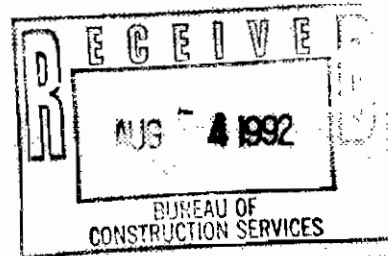
INTERIM REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 12:00 LAST ACTION DATE: 92/07/28

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

-----PARAMETER-----	-----RESULT-----
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****



PAGE 1

RESULTS OF EXAMINATION

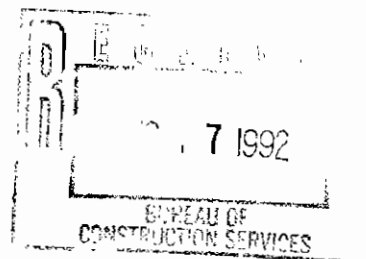
FINAL REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED:92/05/13/ CHARGE: 26.50
 PROGRAM: 6310:DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:3702
 POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LD 3
 DESCRIPTION:POLLUTION ABATEMENT SERVICES SITE
 REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1:CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191:TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED:92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS)
 DATE PRINTED: 92/08/11

FINAL REPORT

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	< 10. MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	2. B MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	0.5 B MCG/L
1,1-DICHLOROETHENE	< 5. MCG/L
1,1-DICHLOROETHANE	2. J MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	< 5. MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	< 5. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	< 5. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	2. J MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	< 5. MCG/L
CHLOROBENZENE	< 5. MCG/L



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PAGE 2

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LD 3
 TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
PHENOL	< 10. MCG/L
BIS (2-CHLOROETHYL) ETHER	< 10. MCG/L
2-CHLOROPHENOL	< 10. MCG/L
1,3-DICHLOROBENZENE	< 10. MCG/L
1,4-DICHLOROBENZENE	< 10. MCG/L
BENZYL ALCOHOL	< 10. MCG/L
1,2-DICHLOROBENZENE	< 10. MCG/L
2-METHYL PHENOL	< 10. MCG/L
BIS (2-CHLOROISOPROPYL) ETHER	< 10. MCG/L
4-METHYL PHENOL	< 10. MCG/L
N-NITROSODI-N-PROPYLAMINE	< 10. MCG/L
HEXACHLOROETHANE	< 10. MCG/L
NITROBENZENE	< 10. MCG/L
ISOPHORONE	< 10. MCG/L
2-NITROPHENOL	< 10. MCG/L
2,4-DIMETHYLPHENOL	< 10. MCG/L
BENZOIC ACID	< 51. MCG/L
BIS (2-CHLOROETHOXY) METHANE	< 10. MCG/L
2,4-DICHLOROPHENOL	< 10. MCG/L
1,2,4-TRICHLOROBENZENE	< 10. MCG/L
NAPHTHALENE	< 10. MCG/L
4-CHLOROANILINE	< 10. MCG/L
HEXACHLOROBUTADIENE (C-46)	< 10. MCG/L
4-CHLORO-3-METHYLPHENOL	< 10. MCG/L
2-METHYLNAPHTHALENE	< 10. MCG/L
HEXACHLOROCYCLOPENTADIENE (C-56)	< 10. MCG/L
2,4,6-TRICHLOROPHENOL	< 10. MCG/L
2,4,5-TRICHLOROPHENOL	< 51. MCG/L
2-CHLORONAPHTHALENE	< 10. MCG/L
2-NITROANILINE	< 51. MCG/L
DIMETHYLPHTHALATE	< 10. MCG/L
ACENAPHTHYLENE	< 10. MCG/L
2,6-DINITROTOLUENE	< 10. MCG/L
3-NITROANILINE	< 51. MCG/L
ACENAPHTHENE	< 10. MCG/L
2,4-DINITROPHENOL	< 51. MCG/L
4-NITROPHENOL	< 51. MCG/L
DIBENZOFURAN	< 10. MCG/L
2,4-DINITROTOLUENE	< 10. MCG/L
DIETHYLPHTHALATE	< 10. MCG/L

*** CONTINUED ON NEXT PAGE ***

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LD 3
 TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
4-CHLOROPHENYL PHENYL ETHER	< 10. MCG/L
FLUORENE	< 10. MCG/L
4-NITROANILINE	< 51. MCG/L
2-METHYL-4,6-DINITROPHENOL	< 51. MCG/L
N-NITROSODIPHENYLAMINE	< 10. MCG/L
4-BROMOPHENYL PHENYL ETHER	< 10. MCG/L
HEXACHLOROBENZENE	< 10. MCG/L
PENTACHLOROPHENOL	< 51. MCG/L
PHENANTHRENE	< 10. MCG/L
ANTHRACENE	< 10. MCG/L
DI-N-BUTYL PHTHALATE	< 10. MCG/L
FLUORANTHENE	< 10. MCG/L
PYRENE	< 10. MCG/L
BUTYL BENZYL PHTHALATE	< 10. MCG/L
3,3'-DICHLOROBENZIDINE	< 21. MCG/L
BENZO (a) ANTHRACENE	< 10. MCG/L
CHRYSENE	< 10. MCG/L
BIS (2-ETHYLHEXYL) PHTHALATE	< 10. MCG/L
DI-N-OCTYL PHTHALATE	< 10. MCG/L
BENZO (b) FLUORANTHENE	< 10. MCG/L
BENZO (k) FLUORANTHENE	< 10. MCG/L
BENZO (a) PYRENE	< 10. MCG/L
INDENO (1,2,3-cd) PYRENE	< 10. MCG/L
DIBENZO (ah) ANTHRACENE	< 10. MCG/L
BENZO (ghi) PERYLENE	< 10. MCG/L

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE REPORTED: 92/07/29 REPORT MAILED OUT

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	< 0.05 MCG/L
HCH, GAMMA (LINDANE)	< 0.05 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	< 0.05 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	< 0.10 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	< 0.10 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	< 0.10 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L

**** CONTINUED ON NEXT PAGE ****

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921860 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LD 3
TIME OF SAMPLING: 92/05/12 10:55 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED:92/05/13/ CHARGE: 26.50
 PROGRAM: 6310:DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:3702
 POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION:POLLUTION ABATEMENT SERVICES SITE
 REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1:CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191:TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED:92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	5. J MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	< 5. MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	0.3 B MCG/L
1,1-DICHLOROETHENE	< 5. MCG/L
1,1-DICHLOROETHANE	14. MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	0.3 J MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	14. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	< 5. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	< 5. MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	< 5. MCG/L
CHLOROBENZENE	< 5. MCG/L

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 BUREAU OF CONSTRUCTION SERVICES
 NY STATE DEP'T. ENVIRON. CONSERVATION
 50 WOLF RD. (RM 423)
 ALBANY ***INTERAGENCY MAIL***

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
PHENOL	< 10. MCG/L
BIS (2-CHLOROETHYL) ETHER	< 10. MCG/L
2-CHLOROPHENOL	< 10. MCG/L
1,3-DICHLOROBENZENE	< 10. MCG/L
1,4-DICHLOROBENZENE	< 10. MCG/L
BENZYL ALCOHOL	< 10. MCG/L
1,2-DICHLOROBENZENE	< 10. MCG/L
2-METHYL PHENOL	< 10. MCG/L
BIS (2-CHLOROISOPROPYL) ETHER	< 10. MCG/L
4-METHYL PHENOL	< 10. MCG/L
N-NITROSODI-N-PROPYLAMINE	< 10. MCG/L
HEXACHLOROETHANE	< 10. MCG/L
NITROBENZENE	< 10. MCG/L
ISOPHORONE	< 10. MCG/L
2-NITROPHENOL	< 10. MCG/L
2,4-DIMETHYLPHENOL	< 10. MCG/L
BENZOIC ACID	< 49. MCG/L
BIS (2-CHLOROETHOXY) METHANE	< 10. MCG/L
2,4-DICHLOROPHENOL	< 10. MCG/L
1,2,4-TRICHLOROBENZENE	< 10. MCG/L
NAPHTHALENE	< 10. MCG/L
4-CHLOROANILINE	< 10. MCG/L
HEXACHLOROBUTADIENE (C-46)	< 10. MCG/L
4-CHLORO-3-METHYLPHENOL	< 10. MCG/L
2-METHYLNAPHTHALENE	< 10. MCG/L
HEXACHLOROCYCLOPENTADIENE (C-56)	< 10. MCG/L
2,4,6-TRICHLOROPHENOL	< 10. MCG/L
2,4,5-TRICHLOROPHENOL	< 49. MCG/L
2-CHLORONAPHTHALENE	< 10. MCG/L
2-NITROANILINE	< 49. MCG/L
DIMETHYLPHTHALATE	< 10. MCG/L
ACENAPHTHYLENE	< 10. MCG/L
2,6-DINITROTOLUENE	< 10. MCG/L
3-NITROANILINE	< 49. MCG/L
ACENAPHTHENE	< 10. MCG/L
2,4-DINITROPHENOL	< 49. MCG/L
4-NITROPHENOL	< 49. MCG/L
DIBENZOFURAN	< 10. MCG/L
2,4-DINITROTOLUENE	< 10. MCG/L
DIETHYLPHTHALATE	< 10. MCG/L

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
4-CHLOROPHENYL PHENYL ETHER	< 10. MCG/L
FLUORENE	< 10. MCG/L
4-NITROANILINE	< 49. MCG/L
2-METHYL-4,6-DINITROPHENOL	< 49. MCG/L
N-NITROSODIPHENYLAMINE	< 10. MCG/L
4-BROMOPHENYL PHENYL ETHER	< 10. MCG/L
HEXACHLOROBENZENE	< 10. MCG/L
PENTACHLOROPHENOL	< 49. MCG/L
PHENANTHRENE	< 10. MCG/L
ANTHRACENE	< 10. MCG/L
DI-N-BUTYL PHTHALATE	< 10. MCG/L
FLUORANTHENE	< 10. MCG/L
PYRENE	< 10. MCG/L
BUTYL BENZYL PHTHALATE	< 10. MCG/L
3,3'-DICHLOROBENZIDINE	< 20. MCG/L
BENZO (a) ANTHRACENE	< 10. MCG/L
CHRYSENE	< 10. MCG/L
BIS (2-ETHYLHEXYL) PHTHALATE	< 10. MCG/L
DI-N-OCTYL PHTHALATE	< 10. MCG/L
BENZO (b) FLUORANTHENE	< 10. MCG/L
BENZO (k) FLUORANTHENE	< 10. MCG/L
BENZO (a) PYRENE	< 10. MCG/L
INDENO (1,2,3-cd) PYRENE	< 10. MCG/L
DIBENZO (ah) ANTHRACENE	< 10. MCG/L
BENZO (ghi) PERYLENE	< 10. MCG/L

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE REPORTED: 92/07/29 REPORT MAILED OUT

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	< 0.05 MCG/L
HCH, GAMMA (LINDANE)	< 0.05 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	< 0.05 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	< 0.10 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	< 0.10 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	< 0.10 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921861 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921862 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.00
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: . LONGITUDE: . Z DIRECTION:
 LOCATION: TRIP BLANK - POLLUTION ABATMENT SERVICES
 DESCRIPTION: WITH SAMPLE #921860 & 921861 DATE PREPARED 5/8/92
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLP-VOL-W: CLP VOLATILES
 SAMPLE TYPE: 297: FIELD BLANK / TRIP BLANK
 TIME OF SAMPLING: 92/05/12 : DATE PRINTED: 92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS)
 DATE PRINTED: 92/08/11

FINAL REPORT

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	< 10. MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	2. B MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	< 5. MCG/L
1,1-DICHLOROETHENE	< 5. MCG/L
1,1-DICHLOROETHANE	< 5. MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	< 5. MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	< 5. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	< 5. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	< 5. MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	< 5. MCG/L
CHLOROBENZENE	< 5. MCG/L

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NEW YORK STATE DEPARTMENT OF HEALTH
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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921862 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.00
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: TRIP BLANK - POLLUTION ABATMENT SERVICES
TIME OF SAMPLING: 92/05/12 : DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

*** END OF REPORT ***

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: . LONGITUDE: . Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: MATRIX SPIKE OF SAMPLE 921861
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 : DATE PRINTED: 92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS)
 DATE PRINTED: 92/08/11

FINAL REPORT

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	4. J MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	1. B MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	0.5 B MCG/L
1,1-DICHLOROETHENE	55. T.V.=50. MCG/L
1,1-DICHLOROETHANE	15. MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	< 5. MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	13. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	51. T.V.=50. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	51. T.V.=50. MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	51. T.V.=50. MCG/L
CHLOROBENZENE	52. T.V.=50. MCG/L

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PAGE 2

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 : DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
PHENOL	19. T.V.=77. MCG/L
BIS (2-CHLOROETHYL) ETHER	< 10. MCG/L
2-CHLOROPHENOL	44. T.V.=77. MCG/L
1,3-DICHLOROBENZENE	< 10. MCG/L
1,4-DICHLOROBENZENE	21. T.V.=51. MCG/L
BENZYL ALCOHOL	< 10. MCG/L
1,2-DICHLOROBENZENE	< 10. MCG/L
2-METHYL PHENOL	< 10. MCG/L
BIS (2-CHLOROISOPROPYL) ETHER	< 10. MCG/L
4-METHYL PHENOL	< 10. MCG/L
N-NITROSODI-N-PROPYLAMINE	27. T.V.=51. MCG/L
HEXACHLOROETHANE	< 10. MCG/L
NITROBENZENE	< 10. MCG/L
ISOPHORONE	< 10. MCG/L
2-NITROPHENOL	< 10. MCG/L
2,4-DIMETHYLPHENOL	< 10. MCG/L
BENZOIC ACID	< 49. MCG/L
BIS (2-CHLOROETHOXY) METHANE	< 10. MCG/L
2,4-DICHLOROPHENOL	< 10. MCG/L
1,2,4-TRICHLOROBENZENE	27. T.V.=51. MCG/L
NAPHTHALENE	< 10. MCG/L
4-CHLOROANILINE	< 10. MCG/L
HEXACHLOROBUTADIENE (C-46)	< 10. MCG/L
4-CHLORO-3-METHYLPHENOL	64. T.V.=77. MCG/L
2-METHYLNAPHTHALENE	< 10. MCG/L
HEXACHLOROCYCLOPENTADIENE (C-56)	< 10. MCG/L
2,4,6-TRICHLOROPHENOL	< 10. MCG/L
2,4,5-TRICHLOROPHENOL	< 49. MCG/L
2-CHLORONAPHTHALENE	< 10. MCG/L
2-NITROANILINE	< 49. MCG/L
DIMETHYLPHTHALATE	< 10. MCG/L
ACENAPHTHYLENE	< 10. MCG/L
2,6-DINITROTOLUENE	< 10. MCG/L
3-NITROANILINE	< 49. MCG/L
ACENAPHTHENE	38. T.V.=51. MCG/L
2,4-DINITROPHENOL	< 49. MCG/L
4-NITROPHENOL	12. T.V.=77. MCG/L
DIBENZOFURAN	< 10. MCG/L
2,4-DINITROTOLUENE	36. T.V.=51. MCG/L
DIETHYLPHTHALATE	< 10. MCG/L

**** CONTINUED ON NEXT PAGE ****

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 : DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
4-CHLOROPHENYL PHENYL ETHER	< 10. MCG/L
FLUORENE	< 10. MCG/L
4-NITROANILINE	< 49. MCG/L
2-METHYL-4,6-DINITROPHENOL	< 49. MCG/L
N-NITROSODIPHENYLAMINE	< 10. MCG/L
4-BROMOPHENYL PHENYL ETHER	< 10. MCG/L
HEXACHLOROBENZENE	< 10. MCG/L
PENTACHLOROPHENOL	8.2 T.V.=77. MCG/L
PHENANTHRENE	< 10. MCG/L
ANTHRACENE	< 10. MCG/L
DI-N-BUTYL PHTHALATE	< 10. MCG/L
FLUORANTHENE	< 10. MCG/L
PYRENE	36. T.V.=51. MCG/L
BUTYL BENZYL PHTHALATE	< 10. MCG/L
3,3'-DICHLOROBENZIDINE	< 20. MCG/L
BENZO (a) ANTHRACENE	< 10. MCG/L
CHRYSENE	< 10. MCG/L
BIS (2-ETHYLHEXYL) PHTHALATE	0.4 J MCG/L
DI-N-OCTYL PHTHALATE	< 10. MCG/L
BENZO (b) FLUORANTHENE	< 10. MCG/L
BENZO (k) FLUORANTHENE	< 10. MCG/L
BENZO (a) PYRENE	< 10. MCG/L
INDENO (1,2,3-cd) PYRENE	< 10. MCG/L
DIBENZO (ah) ANTHRACENE	< 10. MCG/L
BENZO (ghi) PERYLENE	< 10. MCG/L

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE REPORTED: 92/07/30 REPORT MAILED OUT

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.19 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.21 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.19 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.44 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.56 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	0.50 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L

**** CONTINUED ON NEXT PAGE ****

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED:92/05/13/ CHARGE: 26.50
POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 : DATE PRINTED:92/08/11

-----PARAMETER-----	-----RESULT-----
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB,AROCLOR 1016	< 1.0 MCG/L
PCB,AROCLOR 1221	< 2.0 MCG/L
PCB,AROCLOR 1232	< 1.0 MCG/L
PCB,AROCLOR 1242	< 1.0 MCG/L
PCB,AROCLOR 1248	< 1.0 MCG/L
PCB,AROCLOR 1254	< 1.0 MCG/L
PCB,AROCLOR 1260	< 1.0 MCG/L

*** END OF REPORT ***

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: MATRIX SPIKE DUPLICATE OF SAMPLE 921861
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS)
 DATE PRINTED: 92/08/11

FINAL REPORT

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	< 10. MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	2. B MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	0.3 B MCG/L
1,1-DICHLOROETHENE	< 5. MCG/L
1,1-DICHLOROETHANE	15. MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	< 5. MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	13. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	< 5. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	< 5. MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	< 5. MCG/L
CHLOROBENZENE	< 5. MCG/L

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ALAN ROCKMORE
 BUREAU OF CONSTRUCTION SERVICES
 NY STATE DEP'T. ENVIRON. CONSERVATION
 50 WOLF RD. (RM 423)
 ALBANY ***INTERAGENCY MAIL***

SUBMITTED BY: SMITH

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
PHENOL	21. T.V.=77. MCG/L
BIS (2-CHLOROETHYL) ETHER	< 10. MCG/L
2-CHLOROPHENOL	53. T.V.=77. MCG/L
1,3-DICHLOROBENZENE	< 10. MCG/L
1,4-DICHLOROBENZENE	28. T.V.=51. MCG/L
BENZYL ALCOHOL	< 10. MCG/L
1,2-DICHLOROBENZENE	< 10. MCG/L
2-METHYL PHENOL	< 10. MCG/L
BIS (2-CHLOROISOPROPYL) ETHER	< 10. MCG/L
4-METHYL PHENOL	< 10. MCG/L
N-NITROSODI-N-PROPYLAMINE	32. T.V.=51. MCG/L
HEXACHLOROETHANE	< 10. MCG/L
NITROBENZENE	< 10. MCG/L
ISOPHORONE	< 10. MCG/L
2-NITROPHENOL	< 10. MCG/L
2,4-DIMETHYLPHENOL	< 10. MCG/L
BENZOIC ACID	< 52. MCG/L
BIS (2-CHLOROETHOXY) METHANE	< 10. MCG/L
2,4-DICHLOROPHENOL	< 10. MCG/L
1,2,4-TRICHLOROBENZENE	35. T.V.=51. MCG/L
NAPHTHALENE	< 10. MCG/L
4-CHLOROANILINE	< 10. MCG/L
HEXACHLOROBUTADIENE (C-46)	< 10. MCG/L
4-CHLORO-3-METHYLPHENOL	67. T.V.=77. MCG/L
2-METHYLNAPHTHALENE	< 10. MCG/L
HEXACHLOROCYCLOPENTADIENE (C-56)	< 10. MCG/L
2,4,6-TRICHLOROPHENOL	< 10. MCG/L
2,4,5-TRICHLOROPHENOL	< 52. MCG/L
2-CHLORONAPHTHALENE	< 10. MCG/L
2-NITROANILINE	< 52. MCG/L
DIMETHYLPHTHALATE	< 10. MCG/L
ACENAPHTHYLENE	< 10. MCG/L
2,6-DINITROTOLUENE	< 10. MCG/L
3-NITROANILINE	< 52. MCG/L
ACENAPHTHENE	43. T.V.=51. MCG/L
2,4-DINITROPHENOL	< 52. MCG/L
4-NITROPHENOL	17. T.V.=77. MCG/L
DIBENZOFURAN	< 10. MCG/L
2,4-DINITROTOLUENE	36. T.V.=51. MCG/L
DIETHYLPHTHALATE	< 10. MCG/L

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
4-CHLOROPHENYL PHENYL ETHER	< 10. MCG/L
FLUORENE	< 10. MCG/L
4-NITROANILINE	< 52. MCG/L
2-METHYL-4,6-DINITROPHENOL	< 52. MCG/L
N-NITROSODIPHENYLAMINE	< 10. MCG/L
4-BROMOPHENYL PHENYL ETHER	< 10. MCG/L
HEXACHLOROBENZENE	< 10. MCG/L
PENTACHLOROPHENOL	13. J T.V.=77. MCG/L
PHENANTHRENE	< 10. MCG/L
ANTHRACENE	< 10. MCG/L
DI-N-BUTYL PHTHALATE	< 10. MCG/L
FLUORANTHENE	< 10. MCG/L
PYRENE	42. T.V.=51. MCG/L
BUTYL BENZYL PHTHALATE	< 10. MCG/L
3,3'-DICHLOROBENZIDINE	< 21. MCG/L
BENZO (a) ANTHRACENE	< 10. MCG/L
CHRYSENE	< 10. MCG/L
BIS (2-ETHYLHEXYL) PHTHALATE	< 10. MCG/L
DI-N-OCTYL PHTHALATE	< 10. MCG/L
BENZO (b) FLUORANTHENE	< 10. MCG/L
BENZO (k) FLUORANTHENE	< 10. MCG/L
BENZO (a) PYRENE	< 10. MCG/L
INDENO (1,2,3-cd) PYRENE	< 10. MCG/L
DIBENZO (ah) ANTHRACENE	< 10. MCG/L
BENZO (ghi) PERYLENE	< 10. MCG/L

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE REPORTED: 92/07/30 REPORT MAILED OUT

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.17 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.18 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.22 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.39 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.51 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DBT	0.48 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED:92/05/13/ CHARGE: 26.50
POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 12:00 DATE PRINTED:92/08/11

-----PARAMETER-----	-----RESULT-----
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921865 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: MATRIX SPIKE BLANK FOR SAMPLES 921860-921861
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/13 09:00 DATE PRINTED: 92/08/11

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
CHLOROMETHANE	< 10. MCG/L
BROMOMETHANE	< 10. MCG/L
VINYL CHLORIDE	< 10. MCG/L
CHLOROETHANE	< 10. MCG/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	2. B MCG/L
ACETONE	< 10. MCG/L
CARBON DISULFIDE	< 5. MCG/L
1,1-DICHLOROETHENE	48. T.V.=50. MCG/L
1,1-DICHLOROETHANE	< 5. MCG/L
CIS/TRANS-1,2-DICHLOROETHENE	< 5. MCG/L
CHLOROFORM	< 5. MCG/L
1,2-DICHLOROETHANE	< 5. MCG/L
2-BUTANONE (METHYL ETHYL KETONE)	< 10. MCG/L
1,1,1-TRICHLOROETHANE	< 5. MCG/L
CARBON TETRACHLORIDE	< 5. MCG/L
BROMODICHLOROMETHANE	< 5. MCG/L
1,2-DICHLOROPROPANE	< 5. MCG/L
CIS-1,3-DICHLOROPROPENE	< 5. MCG/L
TRICHLOROETHENE	47. T.V.=50. MCG/L
DIBROMOCHLOROMETHANE	< 5. MCG/L
1,1,2-TRICHLOROETHANE	< 5. MCG/L
BENZENE	45. T.V.=50. MCG/L
TRANS-1,3-DICHLOROPROPENE	< 5. MCG/L
BROMOFORM	< 5. MCG/L
4-METHYL-2-PENTANONE (MIBK)	< 10. MCG/L
2-HEXANONE (METHYL BUTYL KETONE)	< 10. MCG/L
TETRACHLOROETHENE	< 5. MCG/L
1,1,2,2-TETRACHLOROETHANE	< 5. MCG/L
TOLUENE	45. T.V.=50. MCG/L
CHLOROBENZENE	48. T.V.=50. MCG/L

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ALAN ROCKMORE
 BUREAU OF CONSTRUCTION SERVICES
 NY STATE DEP'T. ENVIRON. CONSERVATION
 50 WOLF RD. (RM 423)
 ALBANY ***INTERAGENCY MAIL***

SUBMITTED BY: MUNN

PAGE 2

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921865 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/13 09:00 DATE PRINTED: 92/08/11

PARAMETER	RESULT
ETHYLBENZENE	< 5. MCG/L
STYRENE	< 5. MCG/L
TOTAL XYLENES	< 5. MCG/L

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) FINAL REPORT
 DATE PRINTED: 92/08/11

PARAMETER	RESULT
PHENOL	15. T.V.=76. MCG/L
BIS (2-CHLOROETHYL) ETHER	< 10. MCG/L
2-CHLOROPHENOL	38. T.V.=76. MCG/L
1,3-DICHLOROBENZENE	< 10. MCG/L
1,4-DICHLOROBENZENE	21. T.V.=50. MCG/L
BENZYL ALCOHOL	< 10. MCG/L
1,2-DICHLOROBENZENE	< 10. MCG/L
2-METHYL PHENOL	< 10. MCG/L
BIS (2-CHLOROISOPROPYL) ETHER	< 10. MCG/L
4-METHYL PHENOL	< 10. MCG/L
N-NITROSODI-N-PROPYLAMINE	28. T.V.=50. MCG/L
HEXACHLOROETHANE	< 10. MCG/L
NITROBENZENE	< 10. MCG/L
ISOPHORONE	< 10. MCG/L
2-NITROPHENOL	< 10. MCG/L
2,4-DIMETHYLPHENOL	< 10. MCG/L
BENZOIC ACID	< 50. MCG/L
BIS (2-CHLOROETHOXY) METHANE	< 10. MCG/L
2,4-DICHLOROPHENOL	< 10. MCG/L
1,2,4-TRICHLOROBENZENE	26. T.V.=50. MCG/L
NAPHTHALENE	< 10. MCG/L
4-CHLOROANILINE	< 10. MCG/L
HEXACHLOROBUTADIENE (C-46)	< 10. MCG/L
4-CHLORO-3-METHYLPHENOL	60. T.V.=76. MCG/L
2-METHYLNAPHTHALENE	< 10. MCG/L
HEXACHLOROCYCLOPENTADIENE (C-56)	< 10. MCG/L
2,4,6-TRICHLOROPHENOL	< 10. MCG/L
2,4,5-TRICHLOROPHENOL	< 50. MCG/L
2-CHLORONAPHTHALENE	< 10. MCG/L
2-NITROANILINE	< 50. MCG/L
DIMETHYLPHTHALATE	< 10. MCG/L
ACENAPHTHYLENE	< 10. MCG/L
2,6-DINITROTOLUENE	< 10. MCG/L
3-NITROANILINE	< 50. MCG/L
ACENAPHTHENE	40. T.V.=50. MCG/L
2,4-DINITROPHENOL	< 50. MCG/L
4-NITROPHENOL	8. T.V.=76. MCG/L
DIBENZOFURAN	< 10. MCG/L
2,4-DINITROTOLUENE	39. T.V.=50. MCG/L
DIETHYLPHTHALATE	< 10. MCG/L

*** CONTINUED ON NEXT PAGE ***

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RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 921865 SAMPLE RECEIVED: 92/05/13/ CHARGE: 26.50
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 TIME OF SAMPLING: 92/05/13 09:00 DATE PRINTED: 92/08/11

-----PARAMETER-----	-----RESULT-----
4-CHLOROPHENYL PHENYL ETHER	< 10. MCG/L
FLUORENE	< 10. MCG/L
4-NITROANILINE	< 50. MCG/L
2-METHYL-4,6-DINITROPHENOL	< 50. MCG/L
N-NITROSODIPHENYLAMINE	< 10. MCG/L
4-BROMOPHENYL PHENYL ETHER	< 10. MCG/L
HEXACHLOROBENZENE	< 10. MCG/L
PENTACHLOROPHENOL	13. J T.V.=76. MCG/L
PHENANTHRENE	< 10. MCG/L
ANTHRACENE	< 10. MCG/L
DI-N-BUTYL PHTHALATE	< 10. MCG/L
FLUORANTHENE	< 10. MCG/L
PYRENE	44. T.V.=50. MCG/L
BUTYL BENZYL PHTHALATE	< 10. MCG/L
3,3'-DICHLOROBENZIDINE	< 20. MCG/L
BENZO (a) ANTHRACENE	< 10. MCG/L
CHRYSENE	< 10. MCG/L
BIS (2-ETHYLHEXYL) PHTHALATE	< 10. MCG/L
DI-N-OCTYL PHTHALATE	< 10. MCG/L
BENZO (b) FLUORANTHENE	< 10. MCG/L
BENZO (k) FLUORANTHENE	< 10. MCG/L
BENZO (a) PYRENE	< 10. MCG/L
INDENO (1,2,3-cd) PYRENE	< 10. MCG/L
DIBENZO (ah) ANTHRACENE	< 10. MCG/L
BENZO (ghi) PERYLENE	< 10. MCG/L

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE REPORTED: 92/07/30 REPORT MAILED OUT

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.16 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.17 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.17 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.38 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.48 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	0.43 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L

**** CONTINUED ON NEXT PAGE ****

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RESULTS OF EXAMINATION

FINAL REPORT

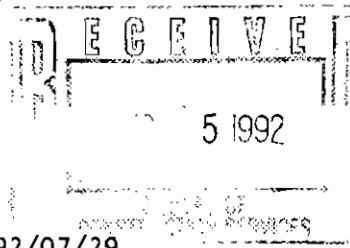
SAMPLE ID: 921865 SAMPLE RECEIVED:92/05/13/ CHARGE: 26.50
POLITICAL SUBDIVISION:OSWEGO C. COUNTY:OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/13 09:00 DATE PRINTED:92/08/11

-----PARAMETER-----	-----RESULT-----
ENDRIN KETONE	< 0.1 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB,AROCLOR 1016	< 1.0 MCG/L
PCB,AROCLOR 1221	< 2.0 MCG/L
PCB,AROCLOR 1232	< 1.0 MCG/L
PCB,AROCLOR 1242	< 1.0 MCG/L
PCB,AROCLOR 1248	< 1.0 MCG/L
PCB,AROCLOR 1254	< 1.0 MCG/L
PCB,AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****

PAGE 1 RESULTS OF EXAMINATION INTERIM REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GROUNDWATER MONITORING WELL LR 6
DESCRIPTION: MATRIX SPIKE OF SAMPLE 921861
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
TIME OF SAMPLING: 92/05/12 : LAST ACTION DATE: 92/07/29



*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water DATE PRINTED: 92/07/30 FINISHED

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.19 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.21 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.19 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.44 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.56 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	0.50 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L

*** CONTINUED ON NEXT PAGE ***

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ALAN ROCKMORE
BUREAU OF CONSTRUCTION SERVICES
NY STATE DEP'T, ENVIRON. CONSERVATION
50 WOLF RD. (RM 423)
ALBANY ***INTERAGENCY MAIL***

SUBMITTED BY: MUNN

PAGE 2

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921863 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 : LAST ACTION DATE: 92/07/29

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
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-----PARAMETER-----	-----RESULT-----
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****

PAGE 1 RESULTS OF EXAMINATION INTERIM REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: MATRIX SPIKE DUPLICATE OF SAMPLE 921861
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/12 12:00 LAST ACTION DATE: 92/07/29

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
 *** SUBJECT TO FINAL REVIEW AND REVISION. ***

ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT
 ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS) DATA INCOMPLETE INTERIM REPORT
 ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water DATE PRINTED: 92/07/30 FINISHED

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.17 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.18 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.22 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.39 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.51 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	0.48 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L
ENDRIN KETONE	< 0.10 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L

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PAGE 2

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921864 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/12 12:00 LAST ACTION DATE: 92/07/29

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PARAMETER	RESULT
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

*** END OF REPORT ***

PAGE 1

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921865 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
 PROGRAM: 6310: DIV. HAZ. WASTE REMED - BUREAU CONSTRUCTION SERVICES
 SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 3702
 POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
 LATITUDE: LONGITUDE: Z DIRECTION:
 LOCATION: GROUNDWATER MONITORING WELL LR 6
 DESCRIPTION: MATRIX SPIKE BLANK FOR SAMPLES 921860-921861
 REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
 TEST PATTERN: CLPW-1: CLP WATER CONTRACT LAB PROTOCOL,
 SAMPLE TYPE: 191: TEST WELL OR MONITORING WELL
 TIME OF SAMPLING: 92/05/13 09:00 LAST ACTION DATE: 92/07/29

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
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ANALYSIS: CLP-VOL-W CLP VOLATILES (GC/MS)
 DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLP-SV-W CLP SEMI-VOLATILES (GC/MS)
 DATA INCOMPLETE INTERIM REPORT

ANALYSIS: CLPPESTPW CLP Pesticides, PCB's in water
 DATE PRINTED: 92/07/30 FINISHED

-----PARAMETER-----	-----RESULT-----
HCH, ALPHA	< 0.05 MCG/L
HEPTACHLOR	0.16 T.V.=0.20 MCG/L
HCH, GAMMA (LINDANE)	0.17 T.V.=0.20 MCG/L
HCH, BETA	< 0.05 MCG/L
HCH, DELTA	< 0.05 MCG/L
ALDRIN	0.17 T.V.=0.20 MCG/L
HEPTACHLOR EPOXIDE	< 0.05 MCG/L
CHLORDANE, GAMMA ISOMER	< 0.05 MCG/L
CHLORDANE, ALPHA ISOMER	< 0.05 MCG/L
ENDOSULFAN I	< 0.05 MCG/L
DIELDRIN	0.38 T.V.=0.50 MCG/L
4,4'-DDE	< 0.10 MCG/L
ENDRIN	0.48 T.V.=0.50 MCG/L
4,4'-DDD	< 0.10 MCG/L
ENDOSULFAN II	< 0.10 MCG/L
4,4'-DDT	0.43 T.V.=0.50 MCG/L
ENDOSULFAN SULFATE	< 0.10 MCG/L
METHOXYCHLOR	< 0.50 MCG/L
ENDRIN KETONE	< 0.1 MCG/L
TOXAPHENE	< 5.0 MCG/L
PCB, AROCLOR 1016	< 1.0 MCG/L

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PAGE 2

RESULTS OF EXAMINATION

INTERIM REPORT

SAMPLE ID: 921865 SAMPLE RECEIVED: 92/05/13/ CHARGE: 8.50
POLITICAL SUBDIVISION: OSWEGO C. COUNTY: OSWEGO
LOCATION: GROUNDWATER MONITORING WELL LR 6
TIME OF SAMPLING: 92/05/13 09:00 LAST ACTION DATE: 92/07/29

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

PARAMETER	RESULT
PCB, AROCLOR 1221	< 2.0 MCG/L
PCB, AROCLOR 1232	< 1.0 MCG/L
PCB, AROCLOR 1242	< 1.0 MCG/L
PCB, AROCLOR 1248	< 1.0 MCG/L
PCB, AROCLOR 1254	< 1.0 MCG/L
PCB, AROCLOR 1260	< 1.0 MCG/L

**** END OF REPORT ****