Occidental Chemical Corporation

Olin
CHEMICALS GROUP

SDMS Document
67261

REMEDIAL INVESTIGATION FINAL REPORT

VOLUME 2 - APPENDICES & PLANS

102nd Street Landfill Site
Niagara Falls, New York

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VOLUME 2 - APPENDICES & PLANS

102nd Street Landfill Site
Niagara Falls, New York

JULY 1990
REF. NO. 1431(47)

CONESTOGA-ROVERS & ASSOCIATES
WOODWARD-CLYDE CONSULTANTS

002712

APPENDIX A

DESIGN SURVEY DATA AND EXTENDED SURVEY DATA

APPENDIX A

ABBREVIATION AND FOOTNOTE KEY

ND	Not detected at or above survey levels
NR	Analysis not required
NA	Not analyzed
(1)	Compounds coelute, value represents total isomers

DESIGN SURVEY ANALYTICAL RESULTS, OLIN
102ND STREET LANDFILL

WCC Sample Number	OB&G Sample Number	Date Collected	TKN(1)	TOC(1)	Dissolved Phosphorus(1)	Mercury(1)	TOX(
CW1-003	84148	5/1/86	2.5	9	3.6	0.10	190
CW1-003R	84149	5/1/86	2.8	7		0.10	158
CW20-003	84150	5/1/86	2.5	30	0.12(6)	0.0032	303
CW20-003R	84151	5/1/86	2.8	40	0.88	0.0030	284
CW16-003	84152	5/1/86	2.5	27		0.0053	115
CW16-003R	84153	5/1/86	3.2	12		0.0084	115
MW22-003	27545	5/2/86	4.9	210	0.18	0.0037	226(
B341-003	27546	5/2/86	3.7	250		0.0027	1061
MW19-003	27547	5/2/86	8.9	270	740.00	0.0011	2199
MW20-003	27548	5/2/86	1.2	50	0.12(6)	0.12	803(
B27-003	27549	5/2/86	14.5	80		0.0005	1833
B33-003	81394	5/5/86	6.5	330		0.0140	5660
MW0-003	81395	5/5/86	6.5	20	0.06(2)		821
FB1-003	81656	5/5/86	0.1	2	0.13		42
B4-003	81657	5/5/86	0.9	2(5)		0.0012	18(3
B2-003	90514	5/6/86	1.2	5			(4)
B3-003	90665	5/6/86	1.8	10			33(3
P15-003	90666	5/6/86	3.0	230		0.0006	390
B21-003	90667	5/6/86	3.0	390		0.0014	152(
P18-003	90669	5/6/86	0.9	12	0.06(2)	0.0096	83
P2-003	90119	5/7/86	1.8	23		0.0005(7)	147:
MW12-003	90120	5/7/86	0.6	140		0.0034	82
MW13-003	89178	5/7/86	14.7	300		0.0005	210
MW15-003	89179	5/7/86	1.8	30		0.0007	140
B35-003	89180	5/7/86	-	-	-	-	680
B35-003	92826	5/8/86	1.8	50			-
MW14-003	92823	5/8/86	1.5	40			98

WM-4M

DESIGN SURVEY ANALYTICAL RESULTS, OLIN
102ND STREET LANDFILL
(Continued)

WCC Sample Number	OB&G Sample Number	Date Collected	TKN(1)	TOC(1)	Dissolved Phosphorus(1)	Mercury(1)	TOX(
MW16-003	92824	5/8/86	3.9	260	0.12(6)		180
FB2-003	92825	5/8/86		3			30
P14-003	92669	5/8/86	3.9	220	-		1012
P14-003	89102	5/9/86	-	-	0.64	-	-
MW21-003	88342	5/9/86	2.4	31		0.0019	141
B1-003	94823	5/12/86	1.5	7	0.19	0.0006	54
B23-003	94824	5/12/86	8.4	210	-	0.0023	1095
B23-003	85863	5/13/86	-	-	1.03	0.0118	-
B25-003	94825	5/12/86	5.5	420	-	-	1706
B25-003	85864	5/13/86	-	-	0.19	-	-
MW3-003	94826	5/12/86	2.2	80	0.37	0.007	178
MW7-003	94827	5/12/86	1.4	7	0.28		11
MW18-003	89662	5/10/86	2.1	50		0.0020	75,87
MW17-003	89663	5/10/86	11.4	60	0.37	0.0018	11,70

Footnotes:

(1) Results in mg/L
(2) Results in ug/L
(3) Exceeded QA precision goal but may be false positive since field blank #1 contained 42 ug/L TOX
(4) May be false positive since FB1 contained 42 ug/L TOX
(5) May be false positive since FB2 contained 3.0 mg/L TOC
(6) May be false positive since FB1 contained 0.13 mg/L P
(7) Exceeded precision goal because of nearness to detection limit

Blanks indicate not detected at or above survey level.
- indicate not analyzed.

WM-4M

DESIGN SURVEY ANALYTICAL RESULTS, OCC
102ND STREET LANDFILL

Site	TOX (mg/L)	Total Organic Carbon (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Phosphorus (mg/L)	Mercury (mg/L)
OW01	0.080	3.6	9		
OW03	0.027	1.5	8		
OW05		1.2	6		
OW06	0.022	0.9	8		
OW07	0.025	1.2	11		
OW08	0.029	1.2	3	0.1	
OW09	11.500	8.3	250	0.6	
OW10	0.015	1.5	8		
OW11	0.017	2.1	12		0.0005
OW12	4.320	5.1	250	0.1	
OW13			4	2.8	0.0009
OW17	0.011	0.3	5		
OW19	0.064	3.1	10	0.4	
OW20	2.850	1.6	21	0.2	
OW22					
W22(Rep)	6.630	3.1	22	0.4	
OW23	2.920	4.3	23	0.1	
OW24	0.047	0.3	1		
OW25	0.295	12	240	0.3	0.0007
OW26	1.720	33	340	0.5	
OW27	6.870	0.9	300	0.1	0.0008
OW28	0.510	6.3	36		0.0016
OW29	2.440	9.9	240	0.1	
OW20	41.700	24	400	0.2	0.003
OW30(Rep)	44.000	18	240		0.0035
OW31	0.678	1.9	6		
OW32	0.353	4.6	270	0.3	0.0025
OW34	0.997	5.2	17	0.8	
OW39	0.154	1.2	15	0.4	

WM-4M

DESIGN SURVEY ANALYTICAL RESULTS, OCC
102ND STREET LANDFILL
(Continued)

Site	TOX (mg/L)	Total Organic Carbon (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Phosphorus (mg/L)	Mercury (mg/L)
OW40	12.465	250.	7.2	300.	0.0016
OW41	0.012	7.	0.6		
OW43	1.895	100.	6.2	0.19	0.0007
OW45	0.026	4.	1.5	0.13	
OW46	0.040	4.	0.3		
OW47	15.9	260.	8.1	0.44	
OW48	0.448	50.	4.3	1.4	
OW49	0.680	230.	7.5	1.8	0.0175
OW50	1.400	240.	32.4		
OW51	0.240	220.	10.0	0.07	
OW51 (Rep.)	0.260	210.	11.7	0.07	0.0041
OW52	0.150	270.	16.7		
OW53	0.350	5.	3.9		0.0017
OW54	0.078	220.	11.0	0.07	0.0005
OW55	0.069	200.	16.0		0.0030
OW56	0.027	220.	5.3	3.2	0.0034
OW57	0.145	160.	11.0	0.12	
OW58	0.033	12.	4.6		
OW59	0.795	30.	1.5	1.7	
OW59 (Rep.)	0.790	50.	0.9	0.20	0.0027
OW60	0.028	6.	2.1		
OW61	0.061	59.	6.4	0.91	

Blanks indicate not detected at or above survey level.

WM-4M

Analytical Data
BEDROCK well B-1
Elevation of open interval 534.3 - 519.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	02/12/1987 Fld Dup	02/26/1987	03/27/1987	04/23/1987
Parameters						
Total Organic Halide (TOX)	10	1300	1300	170	<50	<50
Total Kjeldahl Nitrogen (TKN)	100	1800	1500	330	410	2000
Total Organic Carbon (TOC)	1000	19000	20000	11000	20000	15000
Phosphorous (Dissolved)	10	ND	ND	ND	4900	ND
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	ND	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NA	NR	ND	NR
1,4-Dichlorobenzene	10	ND	NA	NR	ND	NR
1,2,3-Trichlorobenzene	10	ND	NA	NR	ND	NR
1,2,4-Trichlorobenzene	10	ND	NA	NR	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NA	NR	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NA	NR	ND	NR
Hexachlorobenzene	10	ND	NA	NR	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NA	NR	ND	NR
Beta Hexachlorocyclohexane	10	ND	NA	NR	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NA	NR	ND	NR
Delta Hexachlorocyclohexane	10	ND	NA	NR	ND	NR
2,5-Dichloroaniline	10	ND	NA	NR	ND	NR
3,4-Dichloroaniline	10	ND	NA	NR	ND	NR
Phenol	10	ND	NA	NR	ND	NR
2-Chlorophenol	10	ND	NA	NR	ND	NR
4-Chlorophenol	10	ND	NA	NR	ND	NR
2,4-Dichlorophenol	10	ND	NA	NR	ND	NR
2,5-Dichlorophenol	10	ND	NA	NR	ND	NR
2,4,5-Trichlorophenol	50	ND	NA	NR	ND	NR
2,4,6-Trichlorophenol	10	ND	NA	NR	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
Volatiles						
Benzene	5	ND	NA	NR	ND	NR
Toluene	5	ND	NA	NR	ND	NR
Monochlorobenzene	5	ND	NA	NR	ND	NR
2-Monochlorotoluene	5	ND	NA	NR	ND	NR
4-Monochlorotoluene	5	ND	NA	NR	ND	NR
TOTAL SSI:		0	NA	NR	0	NR

All data reported in ug/L

Analytical Data
BEDROCK Well B-1
Elevation of open interval 534.3 - 519.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/26/1987	06/30/1987	11/02/1987	11/03/1987
Parameters					
Total Organic Halide (TOX)	10	<50	NR	NR	54
Total Kjeldahl Nitrogen (TKN)	100	1100	NR	NR	4600
Total Organic Carbon (TOC)	1000	38000	NR	NR	3000
Phosphorous (Dissolved)	10	ND	NR	NR	ND
Mercury	.2	ND	NR	NR	ND
Arsenic	50	NR	NR	NR	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	NR	ND
1,4-Dichlorobenzene	10	NR	NR	NR	ND
1,2,3-Trichlorobenzene	10	NR	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	ND
Hexachlorobenzene	10	NR	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	NR	ND
Beta Hexachlorocyclohexane	10	NR	NR	NR	ND
Gamma Hexachlorocyclohexane	10	NR	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	NR	ND
2,5-Dichloroaniline	10	NR	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	NR	ND
Phenol	10	NR	NR	NR	ND
2-Chlorophenol	10	NR	NR	NR	ND
4-Chlorophenol	10	NR	NR	NR	ND
2,4-Dichlorophenol	10	NR	NR	NR	ND
2,5-Dichlorophenol	10	NR	NR	NR	ND
2,4,5-Trichlorophenol	50	NR	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	NR	ND
Volatiles					
Benzene	5	NR	NR	NR	ND
Toluene	5	NR	NR	NR	ND
Monochlorobenzene	5	NR	NR	NR	ND
2-Monochlorotoluene	5	NR	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	NR	ND
TOTAL SSI:		NR	NR	NR	0

All data reported in ug/L

Analytical Data
BEDROCK well B-2
Elevation of open interval 535.3 - 525.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	02/10/1987 Fld Dup	04/02/1987	04/02/1987 Fld Dup	06/30/1987
Parameters						
Total Organic Halide (TOX)	10	<20	<20	ND	ND	NR
Total Kjeldahl Nitrogen (TKN)	100	1800	1500	770	220	NR
Total Organic Carbon (TOC)	1000	30000	8000	6000	2000	NR
Phosphorous (Dissolved)	10	ND	ND	ND	ND	NR
Mercury	.2	ND	ND	ND	ND	NR
Arsenic	50	ND	ND	ND	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,4-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
Hexachlorobenzene	10	ND	NA	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
2,5-Dichloroaniline	10	ND	NA	ND	ND	NR
3,4-Dichloroaniline	10	ND	NA	ND	ND	NR
Phenol	10	ND	NA	ND	ND	NR
2-Chlorophenol	10	ND	NA	ND	ND	NR
4-Chlorophenol	10	ND	NA	ND	ND	NR
2,4-Dichlorophenol	10	ND	NA	ND	ND	NR
2,5-Dichlorophenol	10	ND	NA	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	NA	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	NA	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	NA	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	NA	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	NA	ND	ND	NR
Volatiles						
Benzene	5	ND	NA	ND	ND	NR
Toluene	5	ND	NA	ND	ND	NR
Monochlorobenzene	5	ND	NA	ND	ND	NR
2-Monochlorotoluene	5	ND	NA	ND	ND	NR
4-Monochlorotoluene	5	ND	NA	ND	ND	NR
TOTAL SSI:		0	NA	0	0	NR

All data reported in ug/L

Analytical Data
BEDROCK well B-2
Elevation of open interval 535.3 - 525.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/05/1987
Parameters		
Total Organic Halide (TOX)	10	ND
Total Kjeldahl Nitrogen (TKN)	100	1900
Total Organic Carbon (TOC)	1000	7000
Phosphorous (Dissolved)	10	ND
Mercury	.2	ND
Arsenic	50	ND
Semi-Volatiles		
1,2-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
1,2,3-Trichlorobenzene	10	ND
1,2,4-Trichlorobenzene	10	ND
1,2,3,4-Tetrachlorobenzene	10	ND
1,2,4,5-Tetrachlorobenzene	10	ND
Hexachlorobenzene	10	ND
Alpha Hexachlorocyclohexane	10	ND
Beta Hexachlorocyclohexane	10	ND
Gamma Hexachlorocyclohexane	10	ND
Delta Hexachlorocyclohexane	10	ND
2,5-Dichloroaniline	10	ND
3,4-Dichloroaniline	10	ND
Phenol	10	ND
2-Chlorophenol	10	ND
4-Chlorophenol	10	ND
2,4-Dichlorophenol	10	ND
2,5-Dichlorophenol	10	ND
2,4,5-Trichlorophenol	50	ND
2,4,6-Trichlorophenol	10	ND
2-Chlorobenzoic Acid	100	ND
3-Chlorobenzoic Acid	100	ND
4-Chlorobenzoic Acid	100	ND
Volatiles		
Benzene	5	ND
Toluene	5	ND
Monochlorobenzene	5	ND
2-Monochlorotoluene	5	ND
4-Monochlorotoluene	5	ND
TOTAL SSI:		0

All data reported in ug/L

Analytical Data
BEDROCK well B-4
Elevation of open interval 535.8 - 525.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	01/31/1987	02/23/1987	02/25/1987	03/26/1987	04/22/1987
Parameters						
Total Organic Halide (TOX)	10	<50	ND	NR	<50	380
Total Kjeldahl Nitrogen (TKN)	100	1800	1100	NR	960	650
Total Organic Carbon (TOC)	1000	7000	9000	NR	ND	26000
Phosphorous (Dissolved)	10	ND	ND	NR	ND	ND
Mercury	.2	ND	ND	NR	ND	ND
Arsenic	50	ND	NR	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NR	NR	ND	NR
1,4-Dichlorobenzene	10	ND	NR	NR	ND	NR
1,2,3-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,4-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
Hexachlorobenzene	10	ND	NR	NR	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Beta Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Delta Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
2,5-Dichloroaniline	10	ND	NR	NR	ND	NR
3,4-Dichloroaniline	10	ND	NR	NR	ND	NR
Phenol	10	ND	NR	NR	ND	NR
2-Chlorophenol	10	ND	NR	NR	ND	NR
4-Chlorophenol	10	ND	NR	NR	ND	NR
2,4-Dichlorophenol	10	ND	NR	NR	ND	NR
2,5-Dichlorophenol	10	ND	NR	NR	ND	NR
2,4,5-Trichlorophenol	50	ND	NR	NR	ND	NR
2,4,6-Trichlorophenol	10	ND	NR	NR	ND	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
Volatiles						
Benzene	5	ND	NR	NR	ND	NR
Toluene	5	ND	NR	NR	ND	NR
Monochlorobenzene	5	ND	NR	NR	ND	NR
2-Monochlorotoluene	5	ND	NR	NR	ND	NR
4-Monochlorotoluene	5	ND	NR	NR	ND	NR
TOTAL SSI:		0	NR	NR	0	NR

All data reported in ug/L

Analytical Data
BEDROCK well B-4
Elevation of open interval 535.8 - 525.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/24/1987	06/30/1987	11/12/1987
Parameters				
Total Organic Halide (TOX)	10	<50	NR	ND
Total Kjeldahl Nitrogen (TKN)	100	1300	NR	800
Total Organic Carbon (TOC)	1000	32000	NR	ND
Phosphorous (Dissolved)	10	ND	NR	ND
Mercury	.2	ND	NR	ND
Arsenic	50	NR	NR	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	ND
1,4-Dichlorobenzene	10	NR	NR	ND
1,2,3-Trichlorobenzene	10	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND
Hexachlorobenzene	10	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	ND
Beta Hexachlorocyclohexane	10	NR	NR	ND
Gamma Hexachlorocyclohexane	10	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	ND
2,5-Dichloroaniline	10	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	ND
Phenol	10	NR	NR	ND
2-Chlorophenol	10	NR	NR	ND
4-Chlorophenol	10	NR	NR	ND
2,4-Dichlorophenol	10	NR	NR	ND
2,5-Dichlorophenol	10	NR	NR	ND
2,4,5-Trichlorophenol	50	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	ND
Volatiles				
Benzene	5	NR	NR	ND
Toluene	5	NR	NR	ND
Monochlorobenzene	5	NR	NR	ND
2-Monochlorotoluene	5	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	ND
TOTAL SSI:		NR	NR	0

All data reported in ug/L

Analytical Data
ALLUVIUM well B-34I
Elevation of open interval 556.4 - 554.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/02/1987	02/25/1987	04/02/1987	04/22/1987	06/24/1987
Parameters						
Total Organic Halide (TOX)	10	7200	7400	5800	1200	6900
Total Kjeldahl Nitrogen (TKN)	100	2800	1500	2300	3600	4000
Total Organic Carbon (TOC)	1000	160000	80000	140000	160000	97000
Phosphorous (Dissolved)	10	1600	990	210	ND	80
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	NR	NR	NR	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
Volatiles						
Benzene	5	NR	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well B-34I
Elevation of open interval 556.4 - 554.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/03/1987
Parameters		
Total Organic Halide (TOX)	10	6400
Total Kjeldahl Nitrogen (TKN)	100	8800
Total Organic Carbon (TOC)	1000	24000
Phosphorous (Dissolved)	10	ND
Mercury	.2	ND
Arsenic	50	NR
Semi-Volatiles		
1,2-Dichlorobenzene	10	NR
1,4-Dichlorobenzene	10	NR
1,2,3-Trichlorobenzene	10	NR
1,2,4-Trichlorobenzene	10	NR
1,2,3,4-Tetrachlorobenzene	10	NR
1,2,4,5-Tetrachlorobenzene	10	NR
Hexachlorobenzene	10	NR
Alpha Hexachlorocyclohexane	10	NR
Beta Hexachlorocyclohexane	10	NR
Gamma Hexachlorocyclohexane	10	NR
Delta Hexachlorocyclohexane	10	NR
2,5-Dichloroaniline	10	NR
3,4-Dichloroaniline	10	NR
Phenol	10	NR
2-Chlorophenol	10	NR
4-Chlorophenol	10	NR
2,4-Dichlorophenol	10	NR
2,5-Dichlorophenol	10	NR
2,4,5-Trichlorophenol	50	NR
2,4,6-Trichlorophenol	10	NR
2-Chlorobenzoic Acid	100	NR
3-Chlorobenzoic Acid	100	NR
4-Chlorobenzoic Acid	100	NR
Volatiles		
Benzene	5	NR
Toluene	5	NR
Monochlorobenzene	5	NR
2-Monochlorotoluene	5	NR
4-Monochlorotoluene	5	NR
TOTAL SSI:		NR

All data reported in ug/L

002726

Analytical Data
FILL well MW-1
Elevation of open interval 569.0 - 564.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	02/25/1987	03/28/1987	04/20/1987	06/23/1987
Parameters						
Total Organic Halide (TOX)	10	330	580	1600	950	1100
Total Kjeldahl Nitrogen (TKN)	100	1800	720	1700	850	ND
Total Organic Carbon (TOC)	1000	12000	140000	43000	80000	84000
Phosphorous (Dissolved)	10	370	ND	ND	ND	ND
Mercury	.2	7.5	4.6	2.0	0.9	.6
Arsenic	50	NR	NR	NR	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
Pentachlorobenzene	10	NR	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
Volatiles						
Benzene	5	NR	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-3
Elevation of open interval 558.6 - 553.6
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/11/87	02/25/1987	03/28/1987	04/20/1987	06/23/1987
Parameters						
Total Organic Halide (TOX)	10	3000	460	2400	2400	1300
Total Kjeldahl Nitrogen (TKN)	100	2700	1100	1900	2400	2700
Total Organic Carbon (TOC)	1000	30000	34000	74000	100000	73000
Phosphorous (Dissolved)	10	340	ND	ND	ND	ND
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	180	NR	195	NR	NR
1,4-Dichlorobenzene	10	130	NR	123	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
[illegible]chlorobenzene	10	ND	NR	ND	NR	NR
[illegible]a Hexachlorocyclohexane	10	59	NR	72	NR	NR
Beta Hexachlorocyclohexane	10	ND	NR	11	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	160	NR	148	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	ND	NR	NR
2-Chlorophenol	10	12	NR	17	NR	NR
4-Chlorophenol	10	93	NR	96	NR	NR
2,4-Dichlorophenol	10	ND	NR	20(1)	NR	NR
2,5-Dichlorophenol	10	ND	NR	(1)	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	10	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	280	NR	350	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	2800	NR	3000	NR	NR
[illegible]nochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		3729	NR	4042	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-3
Elevation of open interval 558.6 - 553.6
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/30/1987	11/04/1987	11/05/1987
Parameters				
Total Organic Halide (TOX)	10	NR	NR	1900
Total Kjeldahl Nitrogen (TKN)	100	NR	NR	5200
Total Organic Carbon (TOC)	1000	NR	NR	17000
Phosphorous (Dissolved)	10	NR	NR	ND
Mercury	.2	NR	NR	4.3
Arsenic	50	NR	NR	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	140
1,4-Dichlorobenzene	10	NR	NR	90
1,2,3-Trichlorobenzene	10	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND
Hexachlorobenzene	10	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	23
Beta Hexachlorocyclohexane	10	NR	NR	76
Gamma Hexachlorocyclohexane	10	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	120
2,5-Dichloroaniline	10	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	ND
Phenol	10	NR	NR	ND
2-Chlorophenol	10	NR	NR	26
4-Chlorophenol	10	NR	NR	79
2,4-Dichlorophenol	10	NR	NR	ND
2,5-Dichlorophenol	10	NR	NR	ND
2,4,5-Trichlorophenol	50	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	ND
Volatiles				
Benzene	5	NR	NR	260
Toluene	5	NR	NR	ND
Monochlorobenzene	5	NR	NR	2800
2-Monochlorotoluene	5	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	ND
TOTAL SSI:		NR	NR	3619

All data reported in ug/L

Analytical Data
BEDROCK well MW-7
Elevation of open interval 534.8 - 520.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/11/1987	03/24/1987	06/30/1987	11/12/1987
Parameters					
Total Organic Halide (TOX)	10	ND	<50	NR	ND
Total Kjeldahl Nitrogen (TKN)	100	6300	1500	NR	800
Total Organic Carbon (TOC)	1000	12000	2000	NR	1000
Phosphorous (Dissolved)	10	ND	ND	NR	ND
Mercury	.2	ND	ND	NR	ND
Arsenic	50	ND	ND	NR	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	ND	ND	NR	ND
1,4-Dichlorobenzene	10	ND	ND	NR	ND
1,2,3-Trichlorobenzene	10	ND	ND	NR	ND
1,2,4-Trichlorobenzene	10	ND	ND	NR	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR	ND
Hexachlorobenzene	10	ND	ND	NR	ND
Alpha Hexachlorocyclohexane	10	ND	ND	NR	ND
Beta Hexachlorocyclohexane	10	ND	ND	NR	ND
Gamma Hexachlorocyclohexane	10	ND	ND	NR	ND
Delta Hexachlorocyclohexane	10	ND	ND	NR	ND
2,5-Dichloroaniline	10	ND	ND	NR	ND
3,4-Dichloroaniline	10	ND	ND	NR	ND
Phenol	10	ND	ND	NR	ND
2-Chlorophenol	10	ND	ND	NR	ND
4-Chlorophenol	10	ND	ND	NR	ND
2,4-Dichlorophenol	10	ND	ND	NR	ND
2,5-Dichlorophenol	10	ND	ND	NR	ND
2,4,5-Trichlorophenol	50	ND	ND	NR	ND
2,4,6-Trichlorophenol	10	ND	ND	NR	ND
2-Chlorobenzoic Acid	100	ND	ND	NR	ND
3-Chlorobenzoic Acid	100	ND	ND	NR	ND
4-Chlorobenzoic Acid	100	ND	ND	NR	ND
Volatiles					
Benzene	5	ND	ND	NR	ND
Toluene	5	ND	ND	NR	ND
Monochlorobenzene	5	ND	ND	NR	ND
2-Monochlorotoluene	5	ND	ND	NR	ND
4-Monochlorotoluene	5	ND	ND	NR	ND
TOTAL SSI:		0	0	NR	0

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-9
Elevation of open interval 559.8 - 554.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/02/1987	02/23/1987	02/24/1987	03/24/1987	04/22/1987
Parameters						
Total Organic Halide (TOX)	10	870	230	NR	900	880
Total Kjeldahl Nitrogen (TKN)	100	160	1500	NR	1200	2400
Total Organic Carbon (TOC)	1000	36000	14000	NR	10000	78000
Phosphorous (Dissolved)	10	510	ND	NR	ND	ND
Mercury	.2	1.3	ND	NR	ND	ND
Arsenic	50	ND	NR	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	47	NR	NR	18	NR
1,4-Dichlorobenzene	10	100	NR	NR	35	NR
1,2,3-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,4-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
1,[illegible]4,5-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
H[illegible]chlorobenzene	10	ND	NR	NR	ND	NR
A[illegible]a Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Beta Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Delta Hexachlorocyclohexane	10	77	NR	NR	64	NR
2,5-Dichloroaniline	10	ND	NR	NR	ND	NR
3,4-Dichloroaniline	10	ND	NR	NR	ND	NR
Phenol	10	ND	NR	NR	ND	NR
2-Chlorophenol	10	17	NR	NR	17	NR
4-Chlorophenol	10	27	NR	NR	37	NR
2,4-Dichlorophenol	10	ND	NR	NR	ND	NR
2,5-Dichlorophenol	10	ND	NR	NR	ND	NR
2,4,5-Trichlorophenol	50	ND	NR	NR	ND	NR
2,4,6-Trichlorophenol	10	ND	NR	NR	ND	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
Volatiles						
Benzene	5	240	NR	NR	325	NR
Toluene	5	ND	NR	NR	ND	NR
M[illegible]chlorobenzene	5	960	NR	NR	1200	NR
2[illegible]ochlorotoluene	5	ND	NR	NR	ND	NR
4-Monochlorotoluene	5	ND	NR	NR	ND	NR
TOTAL SSI:		1468	NR	NR	1696	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-9
Elevation of open interval 559.8 - 554.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/24/1987	06/30/1987	11/03/1987	11/04/1987	02/24/1988
Parameters						
Total Organic Halide (TOX)	10	780	NR	NR	820	740
Total Kjeldahl Nitrogen (TKN)	100	3400	NR	NR	2200	2900
Total Organic Carbon (TOC)	1000	70000	NR	NR	13000	140000
Phosphorous (Dissolved)	10	ND	NR	NR	ND	ND
Mercury	.2	ND	NR	NR	ND	.0005
Arsenic	50	NR	NR	NR	ND	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	26	14
1,4-Dichlorobenzene	10	NR	NR	NR	60	37
1,2,3-Trichlorobenzene	10	NR	NR	NR	ND	ND
1,2,4-Trichlorobenzene	10	NR	NR	NR	ND	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	ND	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	ND	ND
Hexachlorobenzene	10	NR	NR	NR	ND	ND
Alpha Hexachlorocyclohexane	10	NR	NR	NR	ND	ND
Beta Hexachlorocyclohexane	10	NR	NR	NR	ND	ND
Gamma Hexachlorocyclohexane	10	NR	NR	NR	ND	ND
Delta Hexachlorocyclohexane	10	NR	NR	NR	52	31
2,5-Dichloroaniline	10	NR	NR	NR	ND	ND
3,4-Dichloroaniline	10	NR	NR	NR	ND	ND
Phenol	10	NR	NR	NR	ND	ND
2-Chlorophenol	10	NR	NR	NR	14	11
4-Chlorophenol	10	NR	NR	NR	ND	26
2,4-Dichlorophenol	10	NR	NR	NR	ND	(1)
2,5-Dichlorophenol	10	NR	NR	NR	ND	(1)
2,4,5-Trichlorophenol	50	NR	NR	NR	ND	ND
2,4,6-Trichlorophenol	10	NR	NR	NR	ND	ND
2-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
3-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
4-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
Volatiles						
Benzene	5	NR	NR	NR	210	130
Toluene	5	NR	NR	NR	ND	ND
Monochlorobenzene	5	NR	NR	NR	1300	1100
2-Monochlorotoluene	5	NR	NR	NR	ND	ND
4-Monochlorotoluene	5	NR	NR	NR	ND	ND
TOTAL SSI:		NR	NR	NR	1667	1349

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-12
Elevation of open interval 569.2 - 567.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/06/1987	03/27/1987
Parameters			
Total Organic Halide (TOX)	10	280	<50
Total Kjeldahl Nitrogen (TKN)	100	NA	1400
Total Organic Carbon (TOC)	1000	NA	85000
Phosphorous (Dissolved)	10	ND	ND
Mercury	.2	ND	ND
Arsenic	50	ND	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	ND	ND
1,4-Dichlorobenzene	10	ND	ND
1,2,3-Trichlorobenzene	10	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND
Hexachlorobenzene	10	ND	ND
Alpha Hexachlorocyclohexane	10	ND	ND
Beta Hexachlorocyclohexane	10	ND	ND
Gamma Hexachlorocyclohexane	10	ND	ND
Delta Hexachlorocyclohexane	10	ND	ND
2,5-Dichloroaniline	10	ND	ND
3,4-Dichloroaniline	10	ND	ND
Phenol	10	ND	ND
2-Chlorophenol	10	ND	ND
4-Chlorophenol	10	ND	ND
2,4-Dichlorophenol	10	ND	ND
2,5-Dichlorophenol	10	ND	ND
2,4,5-Trichlorophenol	50	ND	ND
2,4,6-Trichlorophenol	10	ND	ND
2-Chlorobenzoic Acid	100	ND	ND
3-Chlorobenzoic Acid	100	ND	ND
4-Chlorobenzoic Acid	100	ND	ND
Volatiles			
Benzene	5	ND	ND
Toluene	5	ND	ND
Monochlorobenzene	5	ND	ND
2-Monochlorotoluene	5	ND	ND
4-Monochlorotoluene	5	ND	ND
TOTAL SSI:		0	0

All data reported in ug/L

Analytical Data
FILL well MW-13
Elevation of open interval 567.5 - 565.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/03/1987	03/31/1987	02/23/1988
Parameters				
Total Organic Halide (TOX)	10	130	170	140
Total Kjeldahl Nitrogen (TKN)	100	12000	11000	14000
Total Organic Carbon (TOC)	1000	240000	220000	280000
Phosphorous (Dissolved)	10	740	850	ND
Mercury	.2	ND	ND	ND
Arsenic	50	ND	ND	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	ND
1,4-Dichlorobenzene	10	ND	ND	ND
1,2,3-Trichlorobenzene	10	ND	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	ND
Pentachlorobenzene	10	ND	ND	ND
Alpha Hexachlorocyclohexane	10	ND	ND	ND
Beta Hexachlorocyclohexane	10	ND	ND	ND
Gamma Hexachlorocyclohexane	10	ND	ND	ND
Delta Hexachlorocyclohexane	10	ND	ND	ND
2,5-Dichloroaniline	10	ND	ND	ND
3,4-Dichloroaniline	10	ND	ND	ND
Phenol	10	ND	ND	ND
2-Chlorophenol	10	ND	ND	ND
4-Chlorophenol	10	ND	ND	ND
2,4-Dichlorophenol	10	ND	ND	(1)
2,5-Dichlorophenol	10	ND	ND	(1)
2,4,5-Trichlorophenol	50	ND	ND	ND
2,4,6-Trichlorophenol	10	ND	ND	ND
2-Chlorobenzoic Acid	100	ND	ND	ND
3-Chlorobenzoic Acid	100	ND	ND	ND
4-Chlorobenzoic Acid	100	ND	ND	ND
Volatiles				
Benzene	5	ND	ND	ND
Toluene	5	ND	ND	ND
Monochlorobenzene	5	11	10	8
2-Monochlorotoluene	5	ND	ND	ND
4-Monochlorotoluene	5	ND	ND	ND
TOTAL SSI:		11	10	8

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-14
Elevation of open interval 563.0 - 558.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	01/30/1987	02/03/1987	03/31/1987	02/23/1988	02/23/1988 Fld Dup	04/19/1988
Parameters							
Total Organic Halide (TOX)	10	61	NR	51	58	59	NR
Total Kjeldahl Nitrogen (TKN)	100	ND	NR	1700	3900	3000	NR
Total Organic Carbon (TOC)	1000	100000	NR	130000	190000	150000	NR
Phosphorous (Dissolved)	10	250	NR	ND	ND	ND	NR
Mercury	.2	ND	NR	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	ND	ND	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	ND	NR	ND	ND	ND	NA
1,4-Dichlorobenzene	10	ND	NR	ND	ND	ND	NA
1,2,3-Trichlorobenzene	10	ND	NR	ND	ND	ND	NA
1,2,4-Trichlorobenzene	10	ND	NR	ND	ND	ND	NA
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	ND	ND	NA
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	ND	ND	NA
Pentachlorobenzene	10	ND	NR	ND	ND	ND	NA
Alpha Hexachlorocyclohexane	10	ND	NR	ND	ND	ND	NA
Beta Hexachlorocyclohexane	10	ND	NR	ND	ND	ND	NA
Gamma Hexachlorocyclohexane	10	ND	NR	ND	ND	ND	NA
Delta Hexachlorocyclohexane	10	ND	NR	ND	ND	ND	NA
2,5-Dichloroaniline	10	ND	NR	ND	ND	ND	NA
3,4-Dichloroaniline	10	ND	NR	ND	ND	ND	NA
Phenol	10	48	NR	14	18	16	NA
2-Chlorophenol	10	ND	NR	ND	ND	ND	NA
4-Chlorophenol	10	ND	NR	ND	ND	ND	NA
2,4-Dichlorophenol	10	ND	NR	ND	(1)	(1)	NA
2,5-Dichlorophenol	10	ND	NR	ND	(1)	(1)	NA
2,4,5-Trichlorophenol	50	ND	NR	ND	ND	ND	NA
2,4,6-Trichlorophenol	10	ND	NR	ND	ND	ND	NA
2-Chlorobenzoic Acid	100	ND	NR	ND	ND	ND	NA
3-Chlorobenzoic Acid	100	ND	NR	ND	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	ND	ND	NR
Volatiles							
Benzene	5	745	NR	660	880	670	1100
Toluene	5	ND	NR	ND	ND	ND	ND
Monochlorobenzene	5	ND	NR	ND	ND	ND	ND
2-Monochlorotoluene	5	ND	NR	ND	ND	ND	ND
4-Monochlorotoluene	5	ND	NR	ND	ND	ND	ND
TOTAL SSI:		793	NR	674	898	686	1100

All data reported in ug/L

Analytical Data
FILL well MW-15
Elevation of open interval 566.4 - 563.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/06/1987	03/30/1987	02/24/1988	02/25/1988
Parameters					
Total Organic Halide (TOX)	10	<50	180	NR	70
Total Kjeldahl Nitrogen (TKN)	100	2600	1100	NR	3800
Total Organic Carbon (TOC)	1000	10000	80000	NR	150000
Phosphorous (Dissolved)	10	670	340	NR	ND
Mercury	.2	ND	ND	NR	ND
Arsenic	50	ND	ND	NR	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	ND	ND	NR	ND
1,4-Dichlorobenzene	10	ND	ND	NR	ND
1,2,3-Trichlorobenzene	10	ND	ND	NR	ND
1,2,4-Trichlorobenzene	10	ND	ND	NR	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR	ND
1,[illegible]4,5-Tetrachlorobenzene	10	ND	ND	NR	ND
M[illegible]chlorobenzene	10	ND	ND	NR	ND
A[illegible] Hexachlorocyclohexane	10	ND	ND	NR	ND
Beta Hexachlorocyclohexane	10	ND	ND	NR	ND
Gamma Hexachlorocyclohexane	10	ND	ND	NR	ND
Delta Hexachlorocyclohexane	10	ND	ND	NR	ND
2,5-Dichloroaniline	10	ND	ND	NR	ND
3,4-Dichloroaniline	10	ND	ND	NR	ND
Phenol	10	ND	ND	NR	ND
2-Chlorophenol	10	ND	ND	NR	ND
4-Chlorophenol	10	ND	ND	NR	ND
2,4-Dichlorophenol	10	ND	ND	NR	(1)
2,5-Dichlorophenol	10	ND	ND	NR	(1)
2,4,5-Trichlorophenol	50	ND	ND	NR	ND
2,4,6-Trichlorophenol	10	ND	ND	NR	ND
2-Chlorobenzoic Acid	100	ND	ND	NR	ND
3-Chlorobenzoic Acid	100	ND	ND	NR	ND
4-Chlorobenzoic Acid	100	ND	ND	NR	ND
Volatiles					
Benzene	5	ND	ND	NR	ND
Toluene	5	ND	ND	NR	ND
M[illegible]chlorobenzene	5	ND	19	NR	22
2[illegible]nochlorotoluene	5	ND	ND	NR	ND
4-Monochlorotoluene	5	ND	ND	NR	ND
TOTAL SSI:		2.5	19	NR	22

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-16
Elevation of open interval 558.4 - 553.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/03/1987	03/30/1987	02/26/1988
Parameters				
Total Organic Halide (TOX)	10	290	140	120
Total Kjeldahl Nitrogen (TKN)	100	2900	2200	5400
Total Organic Carbon (TOC)	1000	170000	120000	240000
Phosphorous (Dissolved)	10	740	ND	130
Mercury	.2	ND	ND	ND
Arsenic	50	ND	ND	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	ND
1,4-Dichlorobenzene	10	ND	ND	ND
1,2,3-Trichlorobenzene	10	ND	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	ND
Hexachlorobenzene	10	ND	ND	ND
Alpha Hexachlorocyclohexane	10	ND	ND	ND
Beta Hexachlorocyclohexane	10	ND	ND	ND
Gamma Hexachlorocyclohexane	10	ND	ND	ND
Delta Hexachlorocyclohexane	10	ND	ND	ND
2,5-Dichloroaniline	10	ND	ND	ND
3,4-Dichloroaniline	10	ND	ND	ND
Phenol	10	ND	ND	ND
2-Chlorophenol	10	ND	ND	ND
4-Chlorophenol	10	ND	ND	ND
2,4-Dichlorophenol	10	ND	ND	(1)
2,5-Dichlorophenol	10	ND	ND	(1)
2,4,5-Trichlorophenol	50	ND	ND	ND
2,4,6-Trichlorophenol	10	ND	ND	ND
2-Chlorobenzoic Acid	100	ND	ND	ND
3-Chlorobenzoic Acid	100	ND	ND	ND
4-Chlorobenzoic Acid	100	ND	ND	ND
Volatiles				
Benzene	5	ND	ND	ND
Toluene	5	ND	ND	ND
Monochlorobenzene	5	ND	5	ND
2-Monochlorotoluene	5	ND	ND	ND
4-Monochlorotoluene	5	ND	ND	ND
TOTAL SSI:		2.5	5	2.5

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-17
Elevation of open interval 552.3 - 547.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	02/24/1987	02/24/1987 Fld Dup	03/25/1987	03/25/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	8000	16000	5800	11000	11000
Total Kjeldahl Nitrogen (TKN)	100	12000	11000	10000	11000	11000
Total Organic Carbon (TOC)	1000	40000	73000	79000	100000	64000
Phosphorous (Dissolved)	10	1600	2000	2000	1500	1600
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	NR	ND	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	550	NR	NR	250	260
1,4-Dichlorobenzene	10	1300	NR	NR	570	570
1,2,3-Trichlorobenzene	10	1100	NR	NR	750	780
1,2,4-Trichlorobenzene	10	3500	NR	NR	3300	3400
1,2,3,4-Tetrachlorobenzene	10	970	NR	NR	660	670
1,2,4,5-Tetrachlorobenzene	10	130	NR	NR	100	110
Hexachlorobenzene	10	ND	NR	NR	ND	ND
Alpha Hexachlorocyclohexane	10	340	NR	NR	240	260
Beta Hexachlorocyclohexane	10	94	NR	NR	59	67
Gamma Hexachlorocyclohexane	10	42	NR	NR	25	27
Delta Hexachlorocyclohexane	10	300	NR	NR	200	220
2,5-Dichloroaniline	10	ND	NR	NR	ND	ND
3,4-Dichloroaniline	10	ND	NR	NR	ND	ND
Phenol	10	ND	NR	NR	ND	ND
2-Chlorophenol	10	ND	NR	NR	ND	ND
4-Chlorophenol	10	53	NR	NR	30	34
2,4-Dichlorophenol	10	ND	NR	NR	26(1)	28(1)
2,5-Dichlorophenol	10	ND	NR	NR	(1)	(1)
2,4,5-Trichlorophenol	50	ND	NR	NR	ND	ND
2,4,6-Trichlorophenol	10	ND	NR	NR	ND	ND
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	ND
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	ND
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	ND
Volatiles						
Benzene	5	3700	NR	NR	2700	2700
Toluene	5	ND	NR	NR	ND	ND
Monochlorobenzene	5	8300	NR	NR	9600	9400
2-Monochlorotoluene	5	ND	NR	NR	ND	ND
4-Monochlorotoluene	5	ND	NR	NR	ND	ND
TOTAL SSI:		20389	NR	NR	18510	18526

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-17
Elevation of open interval 552.3 - 547.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	04/21/1987	06/25/1987	06/30/1987	11/11/1987	11/11/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	9700	9300	NR	9300	7500
Total Kjeldahl Nitrogen (TKN)	100	13000	13000	NR	13000	11000
Total Organic Carbon (TOC)	1000	180000	110000	NR	27000	27000
Phosphorous (Dissolved)	10	1300	640	NR	1000	880
Mercury	.2	ND	ND	NR	ND	ND
Arsenic	50	NR	NR	NR	ND	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	390	530
1,4-Dichlorobenzene	10	NR	NR	NR	950	1300
1,2,3-Trichlorobenzene	10	NR	NR	NR	970	1200
1,2,4-Trichlorobenzene	10	NR	NR	NR	3900	4800
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	790	940
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	120	130
[illegible]chlorobenzene	10	NR	NR	NR	ND	ND
[illegible] Hexachlorocyclohexane	10	NR	NR	NR	280	280
Beta Hexachlorocyclohexane	10	NR	NR	NR	100	95
Gamma Hexachlorocyclohexane	10	NR	NR	NR	42	37
Delta Hexachlorocyclohexane	10	NR	NR	NR	350	310
2,5-Dichloroaniline	10	NR	NR	NR	ND	ND
3,4-Dichloroaniline	10	NR	NR	NR	ND	ND
Phenol	10	NR	NR	NR	ND	ND
2-Chlorophenol	10	NR	NR	NR	ND	ND
4-Chlorophenol	10	NR	NR	NR	36	37
2,4-Dichlorophenol	10	NR	NR	NR	15	16
2,5-Dichlorophenol	10	NR	NR	NR	15	16
2,4,5-Trichlorophenol	50	NR	NR	NR	ND	ND
2,4,6-Trichlorophenol	10	NR	NR	NR	ND	ND
2-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
3-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
4-Chlorobenzoic Acid	100	NR	NR	NR	ND	ND
Volatiles						
Benzene	5	NR	NR	NR	4800	4500
Toluene	5	NR	NR	NR	ND	ND
Monochlorobenzene	5	NR	NR	NR	9400	8800
[illegible]ochlorotoluene	5	NR	NR	NR	ND	ND
4-Monochlorotoluene	5	NR	NR	NR	ND	ND
TOTAL SSI:		NR	NR	NR	22158	22991

All data reported in ug/L

Analytical Data
FILL well MW-18
Elevation of open interval 569.3 - 564.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	02/26/1987	04/01/1987	04/21/1987	06/25/1987
Parameters						
Total Organic Halide (TOX)	10	680	880	6500	6900	7300
Total Kjeldahl Nitrogen (TKN)	100	2800	1500	NA	2000	1900
Total Organic Carbon (TOC)	1000	20000	30000	NA	120000	160000
Phosphorous (Dissolved)	10	640	3800	540	ND	ND
Mercury	.2	3.3	3	2.4	2.8	3
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	220	NR	310	NR	NR
1,4-Dichlorobenzene	10	270	NR	490	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	31	NR	49	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	200	NR	240	NR	NR
Beta Hexachlorocyclohexane	10	31	NR	31	NR	NR
Gamma Hexachlorocyclohexane	10	44	NR	90	NR	NR
Delta Hexachlorocyclohexane	10	390	NR	520	NR	NR
2,5-Dichloroaniline	10	13	NR	15	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	69	NR	39	NR	NR
2-Chlorophenol	10	36	NR	24	NR	NR
4-Chlorophenol	10	62	NR	75	NR	NR
2,4-Dichlorophenol	10	31(1)	NR	76(1)	NR	NR
2,5-Dichlorophenol	10	(1)	NR	(1)	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	1300	NR	3600	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	4700	NR	5500	NR	NR
2-Monochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		7397	NR	11059	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-19
Elevation of open interval 548.5 - 543.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/09/1987	02/24/1987	03/25/1987	04/21/1987	06/25/1987
Parameters						
Total Organic Halide (TOX)	10	9000	8300	14000	16000	16000
Total Kjeldahl Nitrogen (TKN)	100	8600	7400	7400	9800	9400
Total Organic Carbon (TOC)	1000	1200000	82000	55000	180000	68000
Phosphorous (Dissolved)	10	900000	55000	85000	1460000	2100000
Mercury	.2	7.8	11	7	13	6
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	490	NR	30	NR	NR
1,4-Dichlorobenzene	10	460	NR	26	NR	NR
1,2,3-Trichlorobenzene	10	1100	NR	94	NR	NR
1,2,4-Trichlorobenzene	10	3800	NR	370	NR	NR
1,2,3,4-Tetrachlorobenzene	10	1100	NR	110	NR	NR
1,[illegible],5-Tetrachlorobenzene	10	240	NR	21	NR	NR
H[illegible]chlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	440	NR	42	NR	NR
Beta Hexachlorocyclohexane	10	90	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	470	NR	40	NR	NR
Delta Hexachlorocyclohexane	10	750	NR	78	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	11	NR	NR
2-Chlorophenol	10	ND	NR	ND	NR	NR
4-Chlorophenol	10	77	NR	16	NR	NR
2,4-Dichlorophenol	10	12(1)	NR	ND	NR	NR
2,5-Dichlorophenol	10	(1)	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	200	NR	79	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	57000	NR	33000	NR	NR
Toluene	5	ND	NR	ND	NR	NR
M[illegible]chlorobenzene	5	9200	NR	7600	NR	NR
2-[illegible]onochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		75434	NR	41532	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-19
Elevation of open interval 548.5 - 543.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/30/1987	11/06/1987	11/06/1987 Fld Dup
Parameters				
Total Organic Halide (TOX)	10	NR	2100	2000
Total Kjeldahl Nitrogen (TKN)	100	NR	9900	9700
Total Organic Carbon (TOC)	1000	NR	15000	46000
Phosphorous (Dissolved)	10	NR	370000	420000
Mercury	.2	NR	4	4.7
Arsenic	50	NR	ND	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	540	440
1,4-Dichlorobenzene	10	NR	590	520
1,2,3-Trichlorobenzene	10	NR	1200	890
1,2,4-Trichlorobenzene	10	NR	4800	3800
1,2,3,4-Tetrachlorobenzene	10	NR	980	760
1,[illegible]4,5-Tetrachlorobenzene	10	NR	190	150
H[illegible]chlorobenzene	10	NR	ND	ND
A[illegible] Hexachlorocyclohexane	10	NR	480	430
Beta Hexachlorocyclohexane	10	NR	98	90
Gamma Hexachlorocyclohexane	10	NR	550	480
Delta Hexachlorocyclohexane	10	NR	970	970
2,5-Dichloroaniline	10	NR	ND	ND
3,4-Dichloroaniline	10	NR	ND	ND
Phenol	10	NR	10	ND
2-Chlorophenol	10	NR	ND	ND
4-Chlorophenol	10	NR	170	180
2,4-Dichlorophenol	10	NR	32	39
2,5-Dichlorophenol	10	NR	32	39
2,4,5-Trichlorophenol	50	NR	200	290
2,4,6-Trichlorophenol	10	NR	ND	ND
2-Chlorobenzoic Acid	100	NR	ND	ND
3-Chlorobenzoic Acid	100	NR	ND	ND
4-Chlorobenzoic Acid	100	NR	ND	ND
Volatiles				
Benzene	5	NR	79000	64000
Toluene	5	NR	ND	ND
M[illegible]chlorobenzene	5	NR	12000	9400
2[illegible]nochlorotoluene	5	NR	ND	ND
4-Monochlorotoluene	5	NR	ND	ND
TOTAL SSI:		NR	101842	82483

All data reported in ug/L

Analytical Data
FILL well MW-20
Elevation of open interval 569.0 - 564.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/09/1987	02/24/1987	04/01/1987	04/21/1987	06/25/1987
Parameters						
Total Organic Halide (TOX)	10	1400	6800	3800	4700	4600
Total Kjeldahl Nitrogen (TKN)	100	2200	330	27000	1600	1600
Total Organic Carbon (TOC)	1000	75000	42000	120000	110000	38000
Phosphorous (Dissolved)	10	10000	480	830	8200	580
Mercury	.2	21	41	6.1	15	50
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	146	NR	20	NR	NR
1,4-Dichlorobenzene	10	390	NR	23	NR	NR
1,2,3-Trichlorobenzene	10	75	NR	67	NR	NR
1,2,4-Trichlorobenzene	10	910	NR	830	NR	NR
1,2,3,4-Tetrachlorobenzene	10	440	NR	650	NR	NR
1,2,4,5-Tetrachlorobenzene	10	146	NR	230	NR	NR
H[illegible]hlorobenzene	10	ND	NR	ND	NR	NR
A[illegible] Hexachlorocyclohexane	10	99	NR	130	NR	NR
Beta Hexachlorocyclohexane	10	15	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	35	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	750	NR	900	NR	NR
2,5-Dichloroaniline	10	13	NR	13	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	42	NR	26	NR	NR
2-Chlorophenol	10	ND	NR	ND	NR	NR
4-Chlorophenol	10	115	NR	100	NR	NR
2,4-Dichlorophenol	10	80(1)	NR	200(1)	NR	NR
2,5-Dichlorophenol	10	(1)	NR	(1)	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	890	NR	3150	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	1400	NR	1700	NR	NR
2[illegible]ochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		5546	NR	8049	NR	NR

All data reported in ug/L

Analytical Data
FILL well MW-20
Elevation of open interval 569.0 - 564.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/26/1987	11/11/1987
Parameters			
Total Organic Halide (TOX)	10	NR	5400
Total Kjeldahl Nitrogen (TKN)	100	NR	ND
Total Organic Carbon (TOC)	1000	NR	17000
Phosphorous (Dissolved)	10	NR	120
Mercury	.2	NR	49
Arsenic	50	NR	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	NR	130
1,4-Dichlorobenzene	10	NR	350
1,2,3-Trichlorobenzene	10	NR	47
1,2,4-Trichlorobenzene	10	NR	1000
1,2,3,4-Tetrachlorobenzene	10	NR	300
1,2,4,5-Tetrachlorobenzene	10	NR	170
Hexachlorobenzene	10	NR	ND
Alpha Hexachlorocyclohexane	10	NR	111
Beta Hexachlorocyclohexane	10	NR	ND
Gamma Hexachlorocyclohexane	10	NR	25
Delta Hexachlorocyclohexane	10	NR	700
2,5-Dichloroaniline	10	NR	12
3,4-Dichloroaniline	10	NR	ND
Phenol	10	NR	32
2-Chlorophenol	10	NR	ND
4-Chlorophenol	10	NR	81
2,4-Dichlorophenol	10	NR	72
2,5-Dichlorophenol	10	NR	72
2,4,5-Trichlorophenol	50	NR	ND
2,4,6-Trichlorophenol	10	NR	ND
2-Chlorobenzoic Acid	100	NR	ND
3-Chlorobenzoic Acid	100	NR	ND
4-Chlorobenzoic Acid	100	NR	ND
Volatiles			
Benzene	5	NR	3300
Toluene	5	NR	ND
Monochlorobenzene	5	NR	2400
2-Monochlorotoluene	5	NR	ND
4-Monochlorotoluene	5	NR	ND
TOTAL SSI:		NR	8807

All data reported in ug/L

Analytical Data
FILL well MW-22
Elevation of open interval 567.4 - 564.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	02/25/1987	03/26/1987	04/22/1987	04/22/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	2400	260	910	NA	920
Total Kjeldahl Nitrogen (TKN)	100	2200	4300	5900	6000	5800
Total Organic Carbon (TOC)	1000	160000	48000	49000	137000	121000
Phosphorous (Dissolved)	10	570	ND	1100	ND	ND
Mercury	.2	1.4	.6	ND	.6	ND
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	27	NR	15	NR	NR
1,4-Dichlorobenzene	10	29	NR	15	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	67	NR	35	NR	NR
Beta Hexachlorocyclohexane	10	47	NR	32	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	101	NR	66	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	ND	NR	NR
2-Chlorophenol	10	45	NR	30	NR	NR
4-Chlorophenol	10	91	NR	58	NR	NR
2,4-Dichlorophenol	10	ND	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	ND	NR	58	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	1000	NR	1100	NR	NR
2-Monochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		1410	NR	1409	NR	NR

All data reported in ug/L

Analytical Data
FILL well MW-22
Elevation of open interval 567.4 - 564.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/24/1987	06/24/1987 Fld Dup	11/03/1987	11/04/1987
Parameters					
Total Organic Halide (TOX)	10	830	700	NR	50
Total Kjeldahl Nitrogen (TKN)	100	9600	8000	NR	2700
Total Organic Carbon (TOC)	1000	99000	110000	NR	20000
Phosphorous (Dissolved)	10	ND	ND	NR	ND
Mercury	.2	ND	ND	NR	3.1
Arsenic	50	NR	NR	NR	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	NR	20
1,4-Dichlorobenzene	10	NR	NR	NR	20
1,2,3-Trichlorobenzene	10	NR	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	ND
[illegible]chlorobenzene	10	NR	NR	NR	ND
[illegible]a Hexachlorocyclohexane	10	NR	NR	NR	ND
Beta Hexachlorocyclohexane	10	NR	NR	NR	33
Gamma Hexachlorocyclohexane	10	NR	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	NR	92
2,5-Dichloroaniline	10	NR	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	NR	ND
Phenol	10	NR	NR	NR	ND
2-Chlorophenol	10	NR	NR	NR	36
4-Chlorophenol	10	NR	NR	NR	63
2,4-Dichlorophenol	10	NR	NR	NR	ND
2,5-Dichlorophenol	10	NR	NR	NR	ND
2,4,5-Trichlorophenol	50	NR	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	NR	ND
Volatiles					
Benzene	5	NR	NR	NR	ND
Toluene	5	NR	NR	NR	ND
M[illegible]chlorobenzene	5	NR	NR	NR	1100
[illegible]nochlorotoluene	5	NR	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	NR	ND
TOTAL SSI:		NR	NR	NR	1372

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-Z3
Elevation of open interval 556.7 - 551.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	04/19/1988	04/19/1988 Fld Dup
Parameters			
Total Organic Halide (TOX)	10	280	340
Total Kjeldahl Nitrogen (TKN)	100	5200	5000
Total Organic Carbon (TOC)	1000	120000	120000
Phosphorous (Dissolved)	10	ND	220
Mercury	.2	ND	ND
Arsenic	50	ND	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	ND	ND
1,4-Dichlorobenzene	10	ND	ND
1,2,3-Trichlorobenzene	10	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND
Pentachlorobenzene	10	ND	ND
Alpha Hexachlorocyclohexane	10	ND	ND
Beta Hexachlorocyclohexane	10	ND	ND
Gamma Hexachlorocyclohexane	10	ND	ND
Delta Hexachlorocyclohexane	10	ND	ND
2,5-Dichloroaniline	10	ND	ND
3,4-Dichloroaniline	10	ND	ND
Phenol	10	ND	ND
2-Chlorophenol	10	ND	ND
4-Chlorophenol	10	ND	ND
2,4-Dichlorophenol	10	(1)	(1)
2,5-Dichlorophenol	10	(1)	(1)
2,4,5-Trichlorophenol	50	ND	ND
2,4,6-Trichlorophenol	10	ND	ND
2-Chlorobenzoic Acid	100	ND	ND
3-Chlorobenzoic Acid	100	ND	ND
4-Chlorobenzoic Acid	100	ND	ND
Volatiles			
Benzene	5	ND	ND
Toluene	5	ND	ND
Monochlorobenzene	5	ND	ND
2-Monochlorotoluene	5	ND	ND
4-Monochlorotoluene	5	ND	ND
TOTAL SSI:		0	0

All data reported in ug/L

Analytical Data
ALLUVIUM well MW-24
Elevation of open interval 557.1 - 552.1
102nd Street Landfill
Niagara Falls, New York

Parameters	Survey Level	02/25/1988
Total Organic Halide (TOX)	10	95
Total Kjeldahl Nitrogen (TKN)	100	8600
Total Organic Carbon (TOC)	1000	140000
Phosphorous (Dissolved)	10	ND
Mercury	.2	ND
Arsenic	50	ND
Semi-Volatiles		
1,2-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
1,2,3-Trichlorobenzene	10	ND
1,2,4-Trichlorobenzene	10	ND
1,2,3,4-Tetrachlorobenzene	10	ND
1,2,4,5-Tetrachlorobenzene	10	ND
Hexachlorobenzene	10	ND
Alpha Hexachlorocyclohexane	10	ND
Beta Hexachlorocyclohexane	10	ND
Gamma Hexachlorocyclohexane	10	ND
Delta Hexachlorocyclohexane	10	ND
2,5-Dichloroaniline	10	ND
3,4-Dichloroaniline	10	ND
Phenol	10	ND
2-Chlorophenol	10	ND
4-Chlorophenol	10	ND
2,4-Dichlorophenol	10	(1)
2,5-Dichlorophenol	10	(1)
2,4,5-Trichlorophenol	50	<10
2,4,6-Trichlorophenol	10	<50
2-Chlorobenzoic Acid	100	ND
3-Chlorobenzoic Acid	100	ND
4-Chlorobenzoic Acid	100	ND
Volatiles		
Benzene	5	ND
Toluene	5	ND
Monochlorobenzene	5	ND
2-Monochlorotoluene	5	ND
4-Monochlorotoluene	5	ND
TOTAL SSI:		0

All data reported in ug/L

Analytical Data
BEDROCK well OW1-79
Elevation of open interval 523.3 - 518.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/02/1987	02/23/1987	04/06/1987	04/24/1987	04/24/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	<50	<50	<50	<50	83
Total Kjeldahl Nitrogen (TKN)	100	250	330	770	2000	2200
Total Organic Carbon (TOC)	1000	ND	10000	50000	20000	19000
Phosphorous (Dissolved)	10	1000	550	ND	440	500
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	NR	NR	NR	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
Volatiles						
Benzene	5	NR	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
BEDROCK well OW1-79
Elevation of open interval 523.3 - 518.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/26/1987	06/26/1987 Fld Dup	06/30/1987	11/02/1987
Parameters					
Total Organic Halide (TOX)	10	<50	<50	NR	87
Total Kjeldahl Nitrogen (TKN)	100	1600	1400	NR	1100
Total Organic Carbon (TOC)	1000	16000	21000	NR	10000
Phosphorous (Dissolved)	10	310	250	NR	240
Mercury	.2	ND	ND	NR	ND
Arsenic	50	NR	NR	NR	NR
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR
Volatiles					
Benzene	5	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR

All data reported in ug/L

Analytical Data
TILL well OW9-79
Elevation of open interval 550.1 - 545.1
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/03/1987	02/26/1987	04/02/1987	04/23/1987	06/25/1987
Parameters						
Total Organic Halide (TOX)	10	14000	4800	11000	8700	NR
Total Kjeldahl Nitrogen (TKN)	100	7300	5500	6300	6000	NR
Total Organic Carbon (TOC)	1000	170000	100000	180000	130000	NR
Phosphorous (Dissolved)	10	670	ND	ND	ND	NR
Mercury	.2	ND	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NR	ND	NR	NR
1,4-Dichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	ND	NR	NR
2-Chlorophenol	10	ND	NR	ND	NR	NR
4-Chlorophenol	10	ND	NR	ND	NR	NR
2,4-Dichlorophenol	10	ND	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	ND	NR	ND	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	ND	NR	ND	NR	NR
2-Monochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		0	NR	0	NR	NR

All data reported in ug/L

Analytical Data
TILL well OW9-79
Elevation of open interval 550.1 - 545.1
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/26/1987	06/30/1987	11/09/1987	11/10/1987
Parameters					
Total Organic Halide (TOX)	10	6000	NR	NR	3600
Total Kjeldahl Nitrogen (TKN)	100	12000	NR	NR	15000
Total Organic Carbon (TOC)	1000	54000	NR	NR	67000
Phosphorous (Dissolved)	10	210	NR	NR	ND
Mercury	.2	ND	NR	NR	ND
Arsenic	50	NR	NR	NR	NR
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR
Volatiles					
Benzene	5	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW25-80
Elevation of open interval 556.0 - 551.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/18/1987	02/26/1987	04/01/1987	04/22/1987	04/23/1987
Parameters						
Total Organic Halide (TOX)	10	280	130	300	350	NR
Total Kjeldahl Nitrogen (TKN)	100	7800	10000	8400	12000	NR
Total Organic Carbon (TOC)	1000	230000	115000	150000	160000	NR
Phosphorous (Dissolved)	10	200000	47000	170000	150000	NR
Mercury	.2	ND	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NR	ND	NR	NR
1,4-Dichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	ND	NR	NR
2-Chlorophenol	10	ND	NR	ND	NR	NR
4-Chlorophenol	10	ND	NR	ND	NR	NR
2,4-Dichlorophenol	10	ND	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	ND	NR	ND	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	ND	NR	ND	NR	NR
2-Monochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		0	NR	0	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW25-80
Elevation of open interval 556.0 - 551.0
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/24/1987	06/30/1987	11/09/1987	11/09/1987 Fld Dup
Parameters					
Total Organic Halide (TOX)	10	280	NR	400	330
Total Kjeldahl Nitrogen (TKN)	100	16000	NR	13000	11000
Total Organic Carbon (TOC)	1000	230000	NR	46000	44000
Phosphorous (Dissolved)	10	50000	NR	29000	27000
Mercury	.2	ND	NR	ND	ND
Arsenic	50	NR	NR	ND	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	ND	ND
1,4-Dichlorobenzene	10	NR	NR	ND	ND
1,2,3-Trichlorobenzene	10	NR	NR	ND	ND
1,2,4-Trichlorobenzene	10	NR	NR	ND	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND	ND
Hexachlorobenzene	10	NR	NR	ND	ND
Alpha Hexachlorocyclohexane	10	NR	NR	ND	ND
Beta Hexachlorocyclohexane	10	NR	NR	ND	ND
Gamma Hexachlorocyclohexane	10	NR	NR	ND	ND
Delta Hexachlorocyclohexane	10	NR	NR	ND	ND
2,5-Dichloroaniline	10	NR	NR	ND	ND
3,4-Dichloroaniline	10	NR	NR	ND	ND
Phenol	10	NR	NR	ND	ND
2-Chlorophenol	10	NR	NR	ND	ND
4-Chlorophenol	10	NR	NR	ND	ND
2,4-Dichlorophenol	10	NR	NR	ND	ND
2,5-Dichlorophenol	10	NR	NR	ND	ND
2,4,5-Trichlorophenol	50	NR	NR	ND	ND
2,4,6-Trichlorophenol	10	NR	NR	ND	ND
2-Chlorobenzoic Acid	100	NR	NR	ND	ND
3-Chlorobenzoic Acid	100	NR	NR	ND	ND
4-Chlorobenzoic Acid	100	NR	NR	ND	ND
Volatiles					
Benzene	5	NR	NR	ND	ND
Toluene	5	NR	NR	ND	ND
Monochlorobenzene	5	NR	NR	ND	ND
2-Monochlorotoluene	5	NR	NR	ND	ND
4-Monochlorotoluene	5	NR	NR	ND	ND
TOTAL SSI:		NR	NR	0	0

All data reported in ug/L

Analytical Data
ALLUVIUM well OW26-80
Elevation of open interval 558.7 - 553.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/16/1987	02/25/1987	04/01/1987	04/22/1987	06/24/1987
Parameters						
Total Organic Halide (TOX)	10	1200	470	1300	1200	NR
Total Kjeldahl Nitrogen (TKN)	100	18000	23000	23000	26000	NR
Total Organic Carbon (TOC)	1000	270000	190000	210000	180000	NR
Phosphorous (Dissolved)	10	2800	3300	1600	3200	NR
Mercury	.2	ND	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR	NR	NR
Phenol	10	NR	NR	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	NR	NR
Volatiles						
Benzene	5	NR	NR	NR	NR	NR
Toluene	5	NR	NR	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR	NR	NR
TOTAL SSI:		NR	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW26-80
Elevation of open interval 558.7 - 553.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/25/1987	06/30/1987	11/09/1987
Parameters				
Total Organic Halide (TOX)	10	1000	NR	850
Total Kjeldahl Nitrogen (TKN)	100	41000	NR	23000
Total Organic Carbon (TOC)	1000	230000	NR	86000
Phosphorous (Dissolved)	10	4200	NR	4400
Mercury	.2	ND	NR	ND
Arsenic	50	NR	NR	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR
Hexachlorobenzene	10	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	NR
Phenol	10	NR	NR	NR
2-Chlorophenol	10	NR	NR	NR
4-Chlorophenol	10	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	NR	NR
Volatiles				
Benzene	5	NR	NR	NR
Toluene	5	NR	NR	NR
Monochlorobenzene	5	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	NR
TOTAL SSI:		NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well 0430-80
Elevation of open interval 555.8 - 550.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/03/1987	02/24/1987	03/23/1987	04/20/1987	04/20/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	32000	6400	28000	32000	31000
Total Kjeldahl Nitrogen (TKN)	100	8800	18000	20000	17000	18000
Total Organic Carbon (TOC)	1000	850000	200000	210000	270000	270000
Phosphorous (Dissolved)	10	1400	110	790	ND	ND
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	220	NR	NR
1,4-Dichlorobenzene	10	NR	NR	4800	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	780	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND	NR	NR
Hexachlorobenzene	10	NR	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	ND	NR	NR
2,5-Dichloroaniline	10	NR	NR	13000	NR	NR
3,4-Dichloroaniline	10	NR	NR	ND	NR	NR
Phenol	10	NR	NR	73	NR	NR
2-Chlorophenol	10	NR	NR	260	NR	NR
4-Chlorophenol	10	NR	NR	3900	NR	NR
2,4-Dichlorophenol	10	NR	NR	1700	NR	NR
2,5-Dichlorophenol	10	NR	NR	1700	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	590	NR	450	NR	NR
3-Chlorobenzoic Acid	100	320	NR	210	NR	NR
4-Chlorobenzoic Acid	100	2210	NR	2000	NR	NR
Volatiles						
Benzene	5	NR	NR	3600	NR	NR
Toluene	5	NR	NR	ND	NR	NR
Monochlorobenzene	5	NR	NR	8200	NR	NR
2-Monochlorotoluene	5	NR	NR	ND	NR	NR
4-Monochlorotoluene	5	NR	NR	ND	NR	NR
TOTAL SSI:		NR	NR	40893	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW30-80
Elevation of open interval 555.8 - 550.8
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/22/1987	06/30/1987	11/06/1987
Parameters				
Total Organic Halide (TOX)	10	27000	NR	13000
Total Kjeldahl Nitrogen (TKN)	100	22000	NR	18000
Total Organic Carbon (TOC)	1000	230000	NR	43000
Phosphorous (Dissolved)	10	590	NR	ND
Mercury	.2	ND	NR	ND
Arsenic	50	NR	NR	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	140
1,4-Dichlorobenzene	10	NR	NR	3000
1,2,3-Trichlorobenzene	10	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	450
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND
Hexachlorobenzene	10	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	ND
Beta Hexachlorocyclohexane	10	NR	NR	ND
Gamma Hexachlorocyclohexane	10	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	ND
2,5-Dichloroaniline	10	NR	NR	6700
3,4-Dichloroaniline	10	NR	NR	ND
Phenol	10	NR	NR	50
2-Chlorophenol	10	NR	NR	170
4-Chlorophenol	10	NR	NR	2500
2,4-Dichlorophenol	10	NR	NR	1000
2,5-Dichlorophenol	10	NR	NR	1000
2,4,5-Trichlorophenol	50	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	430
3-Chlorobenzoic Acid	100	NR	NR	220
4-Chlorobenzoic Acid	100	NR	NR	1880
Volatiles				
Benzene	5	NR	NR	3600
Toluene	5	NR	NR	ND
Monochlorobenzene	5	NR	NR	8400
2-Monochlorotoluene	5	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	ND
TOTAL SSI:		NR	NR	29540

All data reported in ug/L

Analytical Data
FILL well 0431-85
Elevation of open interval 569.3 - 564.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/16/1987	02/25/1987	02/25/1987 Fld Dup	04/01/1987	04/22/1987
Parameters						
Total Organic Halide (TOX)	10	460	470	290	600	670
Total Kjeldahl Nitrogen (TKN)	100	580	330	1500	2200	2600
Total Organic Carbon (TOC)	1000	60000	90000	90000	70000	60000
Phosphorous (Dissolved)	10	ND	100	ND	ND	ND
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NR	NR	ND	NR
1,4-Dichlorobenzene	10	ND	NR	NR	ND	NR
1,2,3-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,4-Trichlorobenzene	10	ND	NR	NR	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	NR	ND	NR
Hexachlorobenzene	10	ND	NR	NR	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Beta Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
Delta Hexachlorocyclohexane	10	ND	NR	NR	ND	NR
2,5-Dichloroaniline	10	ND	NR	NR	ND	NR
3,4-Dichloroaniline	10	ND	NR	NR	ND	NR
Phenol	10	ND	NR	NR	ND	NR
2-Chlorophenol	10	ND	NR	NR	ND	NR
4-Chlorophenol	10	ND	NR	NR	ND	NR
2,4-Dichlorophenol	10	ND	NR	NR	ND	NR
2,5-Dichlorophenol	10	ND	NR	NR	ND	NR
2,4,5-Trichlorophenol	50	ND	NR	NR	ND	NR
2,4,6-Trichlorophenol	10	ND	NR	NR	ND	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
Volatiles						
Benzene	5	ND	NR	NR	ND	NR
Toluene	5	ND	NR	NR	ND	NR
Monochlorobenzene	5	ND	NR	NR	ND	NR
2-Monochlorotoluene	5	ND	NR	NR	ND	NR
4-Monochlorotoluene	5	ND	NR	NR	ND	NR
TOTAL SSI:		0	NR	NR	0	NR

All data reported in ug/L

Analytical Data
FILL well OW31-85
Elevation of open interval 569.3 - 564.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/24/1987	06/24/1987 Fld Dup	06/30/1987	11/13/1987	11/13/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	520	540	NR	360	400
Total Kjeldahl Nitrogen (TKN)	100	6000	7000	NR	2300	2200
Total Organic Carbon (TOC)	1000	92000	65000	NR	8000	8000
Phosphorous (Dissolved)	10	160	160	NR	ND	ND
Mercury	.2	ND	ND	NR	ND	ND
Arsenic	50	NR	NR	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	NR	NR	ND	NR
1,4-Dichlorobenzene	10	NR	NR	NR	ND	NR
1,2,3-Trichlorobenzene	10	NR	NR	NR	ND	NR
1,2,4-Trichlorobenzene	10	NR	NR	NR	ND	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	ND	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	ND	NR
Hexachlorobenzene	10	NR	NR	NR	ND	NR
Alpha Hexachlorocyclohexane	10	NR	NR	NR	ND	NR
Beta Hexachlorocyclohexane	10	NR	NR	NR	ND	NR
Gamma Hexachlorocyclohexane	10	NR	NR	NR	ND	NR
Delta Hexachlorocyclohexane	10	NR	NR	NR	ND	NR
2,5-Dichloroaniline	10	NR	NR	NR	ND	NR
3,4-Dichloroaniline	10	NR	NR	NR	ND	NR
Phenol	10	NR	NR	NR	ND	NR
2-Chlorophenol	10	NR	NR	NR	ND	NR
4-Chlorophenol	10	NR	NR	NR	ND	NR
2,4-Dichlorophenol	10	NR	NR	NR	ND	NR
2,5-Dichlorophenol	10	NR	NR	NR	ND	NR
2,4,5-Trichlorophenol	50	NR	NR	NR	ND	NR
2,4,6-Trichlorophenol	10	NR	NR	NR	ND	NR
2-Chlorobenzoic Acid	100	NR	NR	NR	ND	NR
3-Chlorobenzoic Acid	100	NR	NR	NR	ND	NR
4-Chlorobenzoic Acid	100	NR	NR	NR	ND	NR
Volatiles						
Benzene	5	NR	NR	NR	ND	NR
Toluene	5	NR	NR	NR	ND	NR
Monochlorobenzene	5	NR	NR	NR	ND	NR
2-Monochlorotoluene	5	NR	NR	NR	ND	NR
4-Monochlorotoluene	5	NR	NR	NR	ND	NR
TOTAL SSI:		NR	NR	NR	0	NR

All data reported in ug/L

Analytical Data
FILL well OW33-85
Elevation of open interval 569.5 - 564.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/18/1987	02/18/1987 Fld Dup	02/26/1987	04/02/1987	04/22/1987	06/24/1987
Parameters							
Total Organic Halide (TOX)	10	330	NR	140	340	340	320
Total Kjeldahl Nitrogen (TKN)	100	1500	NR	1500	1900	2400	4100
Total Organic Carbon (TOC)	1000	90000	NR	40000	80000	60000	120000
Phosphorous (Dissolved)	10	3700	NR	5500	3100	3200	2900
Mercury	.2	ND	NR	ND	ND	ND	ND
Arsenic	50	ND	NR	NR	ND	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	ND	ND	NR	ND	NR	NR
1,4-Dichlorobenzene	10	ND	ND	NR	ND	NR	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR	ND	NR	NR
2,5-Dichloroaniline	10	ND	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	ND	NR	ND	NR	NR
Phenol	10	ND	ND	NR	ND	NR	NR
2-Chlorophenol	10	ND	ND	NR	ND	NR	NR
4-Chlorophenol	10	ND	ND	NR	ND	NR	NR
2,4-Dichlorophenol	10	ND	ND	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	ND	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
Volatiles							
Benzene	5	ND	ND	NR	ND	NR	NR
Toluene	5	ND	ND	NR	ND	NR	NR
Monochlorobenzene	5	ND	ND	NR	ND	NR	NR
2-Monochlorotoluene	5	ND	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	ND	NR	ND	NR	NR
TOTAL SSI:		0	0	NR	0	NR	NR

All data reported in ug/L

Analytical Data
FILL well OW33-85
Elevation of open interval 569.5 - 564.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/30/1987	11/09/1987
Parameters			
Total Organic Halide (TOX)	10	NR	390
Total Kjeldahl Nitrogen (TKN)	100	NR	3400
Total Organic Carbon (TOC)	1000	NR	6000
Phosphorous (Dissolved)	10	NR	2900
Mercury	.2	NR	ND
Arsenic	50	NR	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	NR	ND
1,4-Dichlorobenzene	10	NR	ND
1,2,3-Trichlorobenzene	10	NR	ND
1,2,4-Trichlorobenzene	10	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	ND
Hexachlorobenzene	10	NR	ND
Alpha Hexachlorocyclohexane	10	NR	ND
Beta Hexachlorocyclohexane	10	NR	ND
Gamma Hexachlorocyclohexane	10	NR	ND
Delta Hexachlorocyclohexane	10	NR	ND
2,5-Dichloroaniline	10	NR	ND
3,4-Dichloroaniline	10	NR	ND
Phenol	10	NR	ND
2-Chlorophenol	10	NR	ND
4-Chlorophenol	10	NR	ND
2,4-Dichlorophenol	10	NR	ND
2,5-Dichlorophenol	10	NR	ND
2,4,5-Trichlorophenol	50	NR	ND
2,4,6-Trichlorophenol	10	NR	ND
2-Chlorobenzoic Acid	100	NR	ND
3-Chlorobenzoic Acid	100	NR	ND
4-Chlorobenzoic Acid	100	NR	ND
Volatiles			
Benzene	5	NR	ND
Toluene	5	NR	ND
Monochlorobenzene	5	NR	ND
2-Monochlorotoluene	5	NR	ND
4-Monochlorotoluene	5	NR	ND
TOTAL SSI:		NR	0

All data reported in ug/L

Analytical Data
FILL well OW34-85
Elevation of open interval 570.4 - 565.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/06/1987	02/27/1987	04/03/1987	04/23/1987	06/25/1987
Parameters						
Total Organic Halide (TOX)	10	500	<50	410	970	300
Total Kjeldahl Nitrogen (TKN)	100	4900	3500	4100	4400	3900
Total Organic Carbon (TOC)	1000	11000	45000	60000	25000	33000
Phosphorous (Dissolved)	10	14000	5500	5100	43000	4800
Mercury	.2	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	47	NR	33	NR	NR
1,4-Dichlorobenzene	10	19	NR	15	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	35	NR	38	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NR	ND	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	10	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR
2,5-Dichloroaniline	10	ND	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR
Phenol	10	ND	NR	ND	NR	NR
2-Chlorophenol	10	ND	NR	ND	NR	NR
4-Chlorophenol	10	ND	NR	ND	NR	NR
2,4-Dichlorophenol	10	ND	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR
Volatiles						
Benzene	5	ND	NR	ND	NR	NR
Toluene	5	ND	NR	ND	NR	NR
Monochlorobenzene	5	ND	NR	ND	NR	NR
2-Monochlorotoluene	5	ND	NR	ND	NR	NR
4-Monochlorotoluene	5	ND	NR	ND	NR	NR
TOTAL SSI:		116	NR	96	NR	NR

All data reported in ug/L

Analytical Data
FILL well 0434-85
Elevation of open interval 570.4 - 565.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/30/1987	11/05/1987
Parameters			
Total Organic Halide (TOX)	10	NR	450
Total Kjeldahl Nitrogen (TKN)	100	NR	3300
Total Organic Carbon (TOC)	1000	NR	15000
Phosphorous (Dissolved)	10	NR	3700
Mercury	.2	NR	ND
Arsenic	50	NR	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	NR	ND
1,4-Dichlorobenzene	10	NR	ND
1,2,3-Trichlorobenzene	10	NR	ND
1,2,4-Trichlorobenzene	10	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	ND
Hexachlorobenzene	10	NR	ND
Alpha Hexachlorocyclohexane	10	NR	ND
Beta Hexachlorocyclohexane	10	NR	ND
Gamma Hexachlorocyclohexane	10	NR	ND
Delta Hexachlorocyclohexane	10	NR	ND
2,5-Dichloroaniline	10	NR	ND
3,4-Dichloroaniline	10	NR	ND
Phenol	10	NR	ND
2-Chlorophenol	10	NR	ND
4-Chlorophenol	10	NR	ND
2,4-Dichlorophenol	10	NR	ND
2,5-Dichlorophenol	10	NR	ND
2,4,5-Trichlorophenol	50	NR	ND
2,4,6-Trichlorophenol	10	NR	ND
2-Chlorobenzoic Acid	100	NR	ND
3-Chlorobenzoic Acid	100	NR	ND
4-Chlorobenzoic Acid	100	NR	ND
Volatiles			
Benzene	5	NR	10
Toluene	5	NR	ND
Monochlorobenzene	5	NR	18
2-Monochlorotoluene	5	NR	ND
4-Monochlorotoluene	5	NR	ND
TOTAL SSI:		NR	48

All data reported in ug/L

Analytical Data
FILL well OW35-85
Elevation of open interval 568.4 - 563.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/04/1987	02/24/1987	03/23/1987	04/20/1987	06/22/1987	06/30/1987
Parameters							
Total Organic Halide (TOX)	10	29000	8700	25000	29000	26000	NR
Total Kjeldahl Nitrogen (TKN)	100	16000	13000	19000	12000	19000	NR
Total Organic Carbon (TOC)	1000	260000	200000	160000	240000	250000	NR
Phosphorous (Dissolved)	10	210	110	790	ND	1100	NR
Mercury	.2	ND	ND	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	NR	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	220	NR	220	NR	NR	NR
1,4-Dichlorobenzene	10	420	NR	450	NR	NR	NR
1,2,3-Trichlorobenzene	10	ND	NR	ND	NR	NR	NR
1,2,4-Trichlorobenzene	10	960	NR	770	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	550	NR	450	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	120	NR	100	NR	NR	NR
Hexachlorobenzene	10	ND	NR	ND	NR	NR	NR
Alpha Hexachlorocyclohexane	10	730	NR	550	NR	NR	NR
Beta Hexachlorocyclohexane	10	ND	NR	ND	NR	NR	NR
Gamma Hexachlorocyclohexane	10	ND	NR	ND	NR	NR	NR
Delta Hexachlorocyclohexane	10	260	NR	280	NR	NR	NR
2,5-Dichloroaniline	10	>6400	NR	9100	NR	NR	NR
3,4-Dichloroaniline	10	ND	NR	ND	NR	NR	NR
Phenol	10	ND	NR	ND	NR	NR	NR
2-Chlorophenol	10	250	NR	190	NR	NR	NR
4-Chlorophenol	10	720	NR	720	NR	NR	NR
2,4-Dichlorophenol	10	2000	NR	1600	NR	NR	NR
2,5-Dichlorophenol	10	ND	NR	1600	NR	NR	NR
2,4,5-Trichlorophenol	50	150	NR	190	NR	NR	NR
2,4,6-Trichlorophenol	10	190	NR	220	NR	NR	NR
2-Chlorobenzoic Acid	100	750	NR	600	NR	NR	NR
3-Chlorobenzoic Acid	100	680	NR	530	NR	NR	NR
4-Chlorobenzoic Acid	100	1950	NR	2160	NR	NR	NR
Volatiles							
Benzene	5	2200	NR	1800	NR	NR	NR
Toluene	5	2200	NR	1500	NR	NR	NR
Monochlorobenzene	5	2600	NR	2800	NR	NR	NR
2-Monochlorotoluene	5	240	NR	ND	NR	NR	NR
4-Monochlorotoluene	5	200	NR	ND	NR	NR	NR
TOTAL SSI:		23800	NR	25850	NR	NR	NR

All data reported in ug/L

Analytical Data
FILL well OW35-85
Elevation of open interval 568.4 - 563.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/06/1987
Parameters		
Total Organic Halide (TOX)	10	17000
Total Kjeldahl Nitrogen (TKN)	100	17000
Total Organic Carbon (TOC)	1000	7000
Phosphorous (Dissolved)	10	ND
Mercury	.2	ND
Arsenic	50	ND
Semi-Volatiles		
1,2-Dichlorobenzene	10	290
1,4-Dichlorobenzene	10	600
1,2,3-Trichlorobenzene	10	ND
1,2,4-Trichlorobenzene	10	810
1,2,3,4-Tetrachlorobenzene	10	380
1,2,4,5-Tetrachlorobenzene	10	97
Hexachlorobenzene	10	ND
Alpha Hexachlorocyclohexane	10	630
Beta Hexachlorocyclohexane	10	140
Gamma Hexachlorocyclohexane	10	100
Delta Hexachlorocyclohexane	10	400
2,5-Dichloroaniline	10	14000
3,4-Dichloroaniline	10	ND
Phenol	10	66
2-Chlorophenol	10	280
4-Chlorophenol	10	1000
2,4-Dichlorophenol	10	2100
2,5-Dichlorophenol	10	2100
2,4,5-Trichlorophenol	50	190
2,4,6-Trichlorophenol	10	230
2-Chlorobenzoic Acid	100	860
3-Chlorobenzoic Acid	100	860
4-Chlorobenzoic Acid	100	1850
Volatiles		
Benzene	5	2600
Toluene	5	2300
Monochlorobenzene	5	2800
2-Monochlorotoluene	5	360
4-Monochlorotoluene	5	300
TOTAL SSI:		35343

All data reported in ug/L

Analytical Data
FILL well OW36-85
Elevation of open interval 569.4 - 564.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/04/1987	02/24/1987	02/24/1987 Fld Dup	03/24/1987	04/21/1987	06/23/1987
Parameters							
Total Organic Halide (TOX)	10	350	210	650	500	340	490
Total Kjeldahl Nitrogen (TKN)	100	1000	720	920	750	ND	3900
Total Organic Carbon (TOC)	1000	22000	60000	60000	50000	70000	120000
Phosphorous (Dissolved)	10	25000	110000	160000	63000	36000	20000
Mercury	.2	ND	ND	ND	ND	ND	ND
Arsenic	50	ND	NR	NR	ND	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	860	NR	NR	ND	NR	NR
1,4-Dichlorobenzene	10	1500	NR	NR	ND	NR	NR
1,2,3-Trichlorobenzene	10	>2700	NR	NR	ND	NR	NR
1,2,4-Trichlorobenzene	10	>5300	NR	NR	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	>8100	NR	NR	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	>2400	NR	NR	ND	NR	NR
Hexachlorobenzene	10	140	NR	NR	ND	NR	NR
Alpha Hexachlorocyclohexane	10	610	NR	NR	ND	NR	NR
Beta Hexachlorocyclohexane	10	100	NR	NR	ND	NR	NR
Gamma Hexachlorocyclohexane	10	440	NR	NR	ND	NR	NR
Delta Hexachlorocyclohexane	10	660	NR	NR	ND	NR	NR
2,5-Dichloroaniline	10	330	NR	NR	ND	NR	NR
3,4-Dichloroaniline	10	ND	NR	NR	ND	NR	NR
Phenol	10	120	NR	NR	ND	NR	NR
2-Chlorophenol	10	14	NR	NR	ND	NR	NR
4-Chlorophenol	10	ND	NR	NR	ND	NR	NR
2,4-Dichlorophenol	10	14	NR	NR	ND	NR	NR
2,5-Dichlorophenol	10	ND	NR	NR	ND	NR	NR
2,4,5-Trichlorophenol	50	95	NR	NR	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	NR	NR	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR	NR
Volatiles							
Benzene	5	6	NR	NR	ND	NR	NR
Toluene	5	ND	NR	NR	ND	NR	NR
Monochlorobenzene	5	13	NR	NR	12	NR	NR
2-Monochlorotoluene	5	7	NR	NR	10	NR	NR
4-Monochlorotoluene	5	ND	NR	NR	6	NR	NR
TOTAL SSI:			NR	NR	31	NR	NR

All data reported in ug/L

NOTE: SEMI-VOLATILE RESULTS FOR 2/4/87 WERE DEEMED IN ERROR DUE TO MISLABELING

Analytical Data
FILL well 0436-85
Elevation of open interval 569.4 - 564.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/30/1987	11/04/1987
Parameters			
Total Organic Halide (TOX)	10	NR	1500
Total Kjeldahl Nitrogen (TKN)	100	NR	3200
Total Organic Carbon (TOC)	1000	NR	16000
Phosphorous (Dissolved)	10	NR	26000
Mercury	.2	NR	ND
Arsenic	50	NR	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	NR	ND
1,4-Dichlorobenzene	10	NR	ND
1,2,3-Trichlorobenzene	10	NR	ND
1,2,4-Trichlorobenzene	10	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	ND
Hexachlorobenzene	10	NR	ND
Alpha Hexachlorocyclohexane	10	NR	ND
Beta Hexachlorocyclohexane	10	NR	ND
Gamma Hexachlorocyclohexane	10	NR	ND
Delta Hexachlorocyclohexane	10	NR	ND
2,5-Dichloroaniline	10	NR	ND
3,4-Dichloroaniline	10	NR	ND
Phenol	10	NR	ND
2-Chlorophenol	10	NR	ND
4-Chlorophenol	10	NR	ND
2,4-Dichlorophenol	10	NR	ND
2,5-Dichlorophenol	10	NR	ND
2,4,5-Trichlorophenol	50	NR	ND
2,4,6-Trichlorophenol	10	NR	ND
2-Chlorobenzoic Acid	100	NR	ND
3-Chlorobenzoic Acid	100	NR	ND
4-Chlorobenzoic Acid	100	NR	ND
Volatiles			
Benzene	5	NR	6
Toluene	5	NR	ND
Monochlorobenzene	5	NR	12
2-Monochlorotoluene	5	NR	7
4-Monochlorotoluene	5	NR	ND
TOTAL SSI:		NR	28

All data reported in ug/L

Analytical Data
FILL well OW37-85
Elevation of open interval 568.7 - 563.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/02/1987	02/25/1987	03/25/1987	04/21/1987	06/23/1987	06/30/1987
Parameters							
Total Organic Halide (TOX)	10	130	390	610	590	510	NR
Total Kjeldahl Nitrogen (TKN)	100	1000	330	1200	2000	1500	NR
Total Organic Carbon (TOC)	1000	155000	60000	100000	98000	73000	NR
Phosphorous (Dissolved)	10	49000	150000	205000	64000	62000	NR
Mercury	.2	ND	.6	ND	ND	ND	NR
Arsenic	50	ND	NR	ND	NR	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	NR	NR	ND	NR	NR	NR
1,4-Dichlorobenzene	10	NR	NR	ND	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	NR	ND	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	NR	ND	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND	NR	NR	NR
Hexachlorobenzene	10	NR	NR	ND	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	NR	ND	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	NR	ND	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	NR	ND	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	NR	ND	NR	NR	NR
2,5-Dichloroaniline	10	NR	NR	ND	NR	NR	NR
3,4-Dichloroaniline	10	NR	NR	ND	NR	NR	NR
Phenol	10	NR	NR	ND	NR	NR	NR
2-Chlorophenol	10	NR	NR	ND	NR	NR	NR
4-Chlorophenol	10	NR	NR	ND	NR	NR	NR
2,4-Dichlorophenol	10	NR	NR	ND	NR	NR	NR
2,5-Dichlorophenol	10	NR	NR	ND	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	NR	ND	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	NR	ND	NR	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	NR	NR	NR
Volatiles							
Benzene	5	NR	NR	180	NR	NR	NR
Toluene	5	NR	NR	ND	NR	NR	NR
Monochlorobenzene	5	NR	NR	68	NR	NR	NR
2-Monochlorotoluene	5	NR	NR	ND	NR	NR	NR
4-Monochlorotoluene	5	NR	NR	ND	NR	NR	NR
TOTAL SSI:		50	NR	298	NR	NR	NR

All data reported in ug/L

Analytical Data
FILL well OW37-85
Elevation of open interval 568.7 - 563.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/03/1987	11/03/1987 Fld Dup
Parameters			
Total Organic Halide (TOX)	10	360	780
Total Kjeldahl Nitrogen (TKN)	100	1700	1700
Total Organic Carbon (TOC)	1000	17000	19000
Phosphorous (Dissolved)	10	250000	300000
Mercury	.2	ND	.6
Arsenic	50	ND	ND
Semi-Volatiles			
1,2-Dichlorobenzene	10	ND	ND
1,4-Dichlorobenzene	10	ND	ND
1,2,3-Trichlorobenzene	10	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND
Hexachlorobenzene	10	ND	ND
Alpha Hexachlorocyclohexane	10	ND	ND
Beta Hexachlorocyclohexane	10	ND	ND
Gamma Hexachlorocyclohexane	10	ND	ND
Delta Hexachlorocyclohexane	10	ND	ND
2,5-Dichloroaniline	10	ND	ND
3,4-Dichloroaniline	10	ND	ND
Phenol	10	ND	ND
2-Chlorophenol	10	ND	ND
4-Chlorophenol	10	ND	ND
2,4-Dichlorophenol	10	ND	ND
2,5-Dichlorophenol	10	ND	ND
2,4,5-Trichlorophenol	50	ND	ND
2,4,6-Trichlorophenol	10	ND	ND
2-Chlorobenzoic Acid	100	ND	ND
3-Chlorobenzoic Acid	100	ND	ND
4-Chlorobenzoic Acid	100	123	120
Volatiles			
Benzene	5	130	140
Toluene	5	ND	ND
Monochlorobenzene	5	51	53
2-Monochlorotoluene	5	ND	ND
4-Monochlorotoluene	5	ND	ND
TOTAL SSI:		304	313

All data reported in ug/L

Analytical Data
ALLUVIUM well OW40-85
Elevation of open interval 550.5 - 545.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/05/1987	02/05/1987 Fld Dup	02/25/1987	03/24/1987	04/21/1987
Parameters						
Total Organic Halide (TOX)	10	11000	9600	5200	9300	12000
Total Kjeldahl Nitrogen (TKN)	100	8800	7900	8300	7100	850
Total Organic Carbon (TOC)	1000	60000	100000	130000	140000	170000
Phosphorous (Dissolved)	10	1300000	1300000	400000	3420000	3070000
Mercury	.2	1.2	1.2	1.5	ND	.5
Arsenic	50	ND	ND	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	120	NA	NR	190	NR
1,4-Dichlorobenzene	10	610	NA	NR	720	NR
1,2,3-Trichlorobenzene	10	96	NA	NR	140	NR
1,2,4-Trichlorobenzene	10	960	NA	NR	1200	NR
1,2,3,4-Tetrachlorobenzene	10	480	NA	NR	760	NR
1,2,4,5-Tetrachlorobenzene	10	102	NA	NR	140	NR
Hexachlorobenzene	10	ND	NA	NR	ND	NR
Alpha Hexachlorocyclohexane	10	61	NA	NR	81	NR
Beta Hexachlorocyclohexane	10	ND	NA	NR	ND	NR
Gamma Hexachlorocyclohexane	10	16	NA	NR	ND	NR
Delta Hexachlorocyclohexane	10	19	NA	NR	ND	NR
2,5-Dichloroaniline	10	ND	NA	NR	ND	NR
3,4-Dichloroaniline	10	ND	NA	NR	ND	NR
Phenol	10	12	NA	NR	ND	NR
2-Chlorophenol	10	ND	NA	NR	ND	NR
4-Chlorophenol	10	510	NA	NR	470	NR
2,4-Dichlorophenol	10	16	NA	NR	ND	NR
2,5-Dichlorophenol	10	ND	NA	NR	ND	NR
2,4,5-Trichlorophenol	50	ND	NA	NR	ND	NR
2,4,6-Trichlorophenol	10	ND	NA	NR	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR	ND	NR
Volatiles						
Benzene	5	55000	NA	NR	52000	NR
Toluene	5	ND	NA	NR	ND	NR
Monochlorobenzene	5	16000	NA	NR	15000	NR
2-Monochlorotoluene	5	ND	NA	NR	ND	NR
4-Monochlorotoluene	5	ND	NA	NR	ND	NR
TOTAL SSI:		74007	NA	NR	70726	NR

All data reported in ug/L

Analytical Data
ALLUVIUM Well 0940-85
Elevation of open interval 550.5 - 545.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/23/1987	06/30/1987	11/03/1987
Parameters				
Total Organic Halide (TOX)	10	9800	NR	16000
Total Kjeldahl Nitrogen (TKN)	100	8000	NR	7500
Total Organic Carbon (TOC)	1000	210000	NR	ND
Phosphorous (Dissolved)	10	590000	NR	1700000
Mercury	.2	3	NR	ND
Arsenic	50	NR	NR	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	95
1,4-Dichlorobenzene	10	NR	NR	670
1,2,3-Trichlorobenzene	10	NR	NR	60
1,2,4-Trichlorobenzene	10	NR	NR	430
1,2,3,4-Tetrachlorobenzene	10	NR	NR	270
1,2,4,5-Tetrachlorobenzene	10	NR	NR	50
Hexachlorobenzene	10	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	68
Beta Hexachlorocyclohexane	10	NR	NR	ND
Gamma Hexachlorocyclohexane	10	NR	NR	14
Delta Hexachlorocyclohexane	10	NR	NR	21
2,5-Dichloroaniline	10	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	ND
Phenol	10	NR	NR	ND
2-Chlorophenol	10	NR	NR	ND
4-Chlorophenol	10	NR	NR	500
2,4-Dichlorophenol	10	NR	NR	11
2,5-Dichlorophenol	10	NR	NR	11
2,4,5-Trichlorophenol	50	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	ND
Volatiles				
Benzene	5	NR	NR	50000
Toluene	5	NR	NR	ND
Monochlorobenzene	5	NR	NR	17000
2-Monochlorotoluene	5	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	ND
TOTAL SSI:		NR	NR	69985

All data reported in ug/L

002771

Analytical Data
BEDROCK Well 0341-85
Elevation of open interval 534.2 - 518.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/18/1987	02/18/1987 Fld Dup	03/25/1987	06/30/1987	11/03/1987
Parameters						
Total Organic Halide (TOX)	10	<50	<50	<50	NR	ND
Total Kjeldahl Nitrogen (TKN)	100	ND	ND	960	NR	1200
Total Organic Carbon (TOC)	1000	12000	22000	10000	NR	8000
Phosphorous (Dissolved)	10	ND	ND	ND	NR	130
Mercury	.2	ND	ND	ND	NR	ND
Arsenic	50	ND	ND	ND	NR	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,4-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
Hexachlorobenzene	10	ND	ND	ND	NR	ND
Alpha Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Beta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Gamma Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Delta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
2,5-Dichloroaniline	10	ND	ND	ND	NR	ND
3,4-Dichloroaniline	10	ND	ND	ND	NR	ND
Phenol	10	ND	ND	ND	NR	ND
2-Chlorophenol	10	ND	ND	ND	NR	ND
4-Chlorophenol	10	ND	ND	ND	NR	ND
2,4-Dichlorophenol	10	ND	ND	ND	NR	ND
2,5-Dichlorophenol	10	ND	ND	ND	NR	ND
2,4,5-Trichlorophenol	50	ND	ND	ND	NR	ND
2,4,6-Trichlorophenol	10	ND	ND	ND	NR	ND
2-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
3-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
4-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
Volatiles						
Benzene	5	ND	ND	ND	NR	ND
Toluene	5	ND	ND	ND	NR	ND
Monochlorobenzene	5	ND	ND	ND	NR	ND
2-Monochlorotoluene	5	ND	ND	ND	NR	ND
4-Monochlorotoluene	5	ND	ND	ND	NR	ND
TOTAL SSI:		0	0	0	NR	0

All data reported in ug/L

Analytical Data
ALLUVIUM Well 0463-85
Elevation of open interval 550.7 - 545.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	02/17/1987	02/27/1987	04/03/1987	04/23/1987
Parameters						
Total Organic Halide (TOX)	10	NR	1900	310	2400	2400
Total Kjeldahl Nitrogen (TKN)	100	NR	5500	5800	4800	6000
Total Organic Carbon (TOC)	1000	NR	90000	90000	120000	74000
Phosphorous (Dissolved)	10	NR	11000	5700	2200	5300
Mercury	.2	NR	ND	ND	ND	ND
Arsenic	50	NR	ND	ND	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	NR	22	NR	15	NR
1,4-Dichlorobenzene	10	NR	180	NR	94	NR
1,2,3-Trichlorobenzene	10	NR	ND	NR	ND	NR
1,2,4-Trichlorobenzene	10	NR	590	NR	620	NR
1,2,3,4-Tetrachlorobenzene	10	NR	ND	NR	ND	NR
1,2,4,5-Tetrachlorobenzene	10	NR	ND	NR	ND	NR
Hexachlorobenzene	10	NR	ND	NR	ND	NR
Alpha Hexachlorocyclohexane	10	NR	ND	NR	ND	NR
Beta Hexachlorocyclohexane	10	NR	ND	NR	ND	NR
Gamma Hexachlorocyclohexane	10	NR	ND	NR	ND	NR
Delta Hexachlorocyclohexane	10	NR	ND	NR	ND	NR
2,5-Dichloroaniline	10	NR	18	NR	18	NR
3,4-Dichloroaniline	10	NR	ND	NR	ND	NR
Phenol	10	NR	ND	NR	ND	NR
2-Chlorophenol	10	NR	ND	NR	ND	NR
4-Chlorophenol	10	NR	ND	NR	18	NR
2,4-Dichlorophenol	10	NR	ND	NR	ND	NR
2,5-Dichlorophenol	10	NR	ND	NR	ND	NR
2,4,5-Trichlorophenol	50	NR	ND	NR	ND	NR
2,4,6-Trichlorophenol	10	NR	ND	NR	ND	NR
2-Chlorobenzoic Acid	100	NR	ND	NR	ND	NR
3-Chlorobenzoic Acid	100	NR	ND	NR	ND	NR
4-Chlorobenzoic Acid	100	NR	ND	NR	ND	NR
Volatiles						
Benzene	5	NR	77	NR	78	NR
Toluene	5	NR	ND	NR	ND	NR
Monochlorobenzene	5	NR	1000	NR	1000	NR
2-Monochlorotoluene	5	NR	ND	NR	ND	NR
4-Monochlorotoluene	5	NR	ND	NR	ND	NR
TOTAL SSI:		NR	1892	NR	1843	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW43-85
Elevation of open interval 550.7 - 545.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	06/26/1987	06/30/1987	11/05/1987
Parameters				
Total Organic Halide (TOX)	10	2600	NR	2200
Total Kjeldahl Nitrogen (TKN)	100	6700	NR	7300
Total Organic Carbon (TOC)	1000	50000	NR	15000
Phosphorous (Dissolved)	10	3100	NR	2900
Mercury	.2	ND	NR	ND
Arsenic	50	NR	NR	ND
Semi-Volatiles				
1,2-Dichlorobenzene	10	NR	NR	ND
1,4-Dichlorobenzene	10	NR	NR	ND
1,2,3-Trichlorobenzene	10	NR	NR	ND
1,2,4-Trichlorobenzene	10	NR	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	NR	ND
Hexachlorobenzene	10	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	ND
Beta Hexachlorocyclohexane	10	NR	NR	ND
Gamma Hexachlorocyclohexane	10	NR	NR	ND
Delta Hexachlorocyclohexane	10	NR	NR	ND
2,5-Dichloroaniline	10	NR	NR	ND
3,4-Dichloroaniline	10	NR	NR	ND
Phenol	10	NR	NR	ND
2-Chlorophenol	10	NR	NR	ND
4-Chlorophenol	10	NR	NR	ND
2,4-Dichlorophenol	10	NR	NR	ND
2,5-Dichlorophenol	10	NR	NR	ND
2,4,5-Trichlorophenol	50	NR	NR	ND
2,4,6-Trichlorophenol	10	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	ND
Volatiles				
Benzene	5	NR	NR	98
Toluene	5	NR	NR	ND
Monochlorobenzene	5	NR	NR	1300
2-Monochlorotoluene	5	NR	NR	ND
4-Monochlorotoluene	5	NR	NR	ND
TOTAL SSI:		NR	NR	1423

All data reported in ug/L

Analytical Data
BEDROCK well OW45-85
Elevation of open interval 531.5 - 516.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/17/1987	04/03/1987	04/03/1987 Fld Dup	06/30/1987	11/05/1987
Parameters						
Total Organic Halide (TOX)	10	<100	<100	<100	NR	ND
Total Kjeldahl Nitrogen (TKN)	100	ND	770	590	NR	1600
Total Organic Carbon (TOC)	1000	40000	8000	3000	NR	5000
Phosphorous (Dissolved)	10	ND	ND	ND	NR	ND
Mercury	.2	ND	ND	ND	NR	ND
Arsenic	50	ND	ND	ND	NR	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,4-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
Hexachlorobenzene	10	ND	ND	ND	NR	ND
Alpha Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Beta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Gamma Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Delta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
2,5-Dichloroaniline	10	ND	ND	ND	NR	ND
3,4-Dichloroaniline	10	ND	ND	ND	NR	ND
Phenol	10	ND	ND	ND	NR	ND
2-Chlorophenol	10	ND	ND	ND	NR	ND
4-Chlorophenol	10	ND	ND	ND	NR	ND
2,4-Dichlorophenol	10	ND	ND	ND	NR	ND
2,5-Dichlorophenol	10	ND	ND	ND	NR	ND
2,4,5-Trichlorophenol	50	ND	ND	ND	NR	ND
2,4,6-Trichlorophenol	10	ND	ND	ND	NR	ND
2-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
3-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
4-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
Volatiles						
Benzene	5	ND	ND	ND	NR	ND
Toluene	5	ND	ND	ND	NR	ND
Monochlorobenzene	5	ND	ND	ND	NR	ND
2-Monochlorotoluene	5	ND	ND	ND	NR	ND
4-Monochlorotoluene	5	ND	ND	ND	NR	ND
TOTAL SSI:		0	0	0	NR	0

All data reported in ug/L

Analytical Data
BEDROCK Well OW46-85
Elevation of open interval 537.6 - 522.6
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/16/1987	04/01/1987	04/01/1987 Fld Dup	06/30/1987	11/13/1987
Parameters						
Total Organic Halide (TOX)	10	<100	<100	<100	NR	ND
Total Kjeldahl Nitrogen (TKN)	100	530	ND	220	NR	1600
Total Organic Carbon (TOC)	1000	30000	50000	60000	NR	ND
Phosphorous (Dissolved)	10	ND	ND	ND	NR	ND
Mercury	.2	ND	ND	ND	NR	ND
Arsenic	50	ND	ND	ND	NR	ND
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,4-Dichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND	NR	ND
1,2,3,4-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
1,2,4,5-Tetrachlorobenzene	10	ND	ND	ND	NR	ND
Hexachlorobenzene	10	ND	ND	ND	NR	ND
Alpha Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Beta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Gamma Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
Delta Hexachlorocyclohexane	10	ND	ND	ND	NR	ND
2,5-Dichloroaniline	10	ND	ND	ND	NR	ND
3,4-Dichloroaniline	10	ND	ND	ND	NR	ND
Phenol	10	ND	ND	ND	NR	ND
2-Chlorophenol	10	ND	ND	ND	NR	ND
4-Chlorophenol	10	ND	ND	ND	NR	ND
2,4-Dichlorophenol	10	ND	ND	ND	NR	ND
2,5-Dichlorophenol	10	ND	ND	ND	NR	ND
2,4,5-Trichlorophenol	50	ND	ND	ND	NR	ND
2,4,6-Trichlorophenol	10	ND	ND	ND	NR	ND
2-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
3-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
4-Chlorobenzoic Acid	100	ND	ND	ND	NR	ND
Volatiles						
Benzene	5	ND	ND	ND	NR	ND
Toluene	5	ND	ND	ND	NR	ND
Monochlorobenzene	5	ND	ND	ND	NR	ND
2-Monochlorotoluene	5	ND	ND	ND	NR	ND
4-Monochlorotoluene	5	ND	ND	ND	NR	ND
TOTAL SSI:		0	0	0	NR	0

All data reported in ug/L

Analytical Data
ALLUVIUM well OW47-85
Elevation of open interval 547.4 - 542.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/04/1987	02/04/1987 Fld Dup	02/24/1987	03/24/1987	03/24/1987 Fld Dup
Parameters						
Total Organic Halide (TOX)	10	13000	NR	8100	13000	NR
Total Kjeldahl Nitrogen (TKN)	100	ND	NR	6600	8900	NR
Total Organic Carbon (TOC)	1000	110000	NR	100000	120000	NR
Phosphorous (Dissolved)	10	4000	NR	22000	11000	NR
Mercury	.2	ND	NR	ND	ND	NR
Arsenic	50	ND	NR	NR	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	920	NA	NR	1100	700
1,4-Dichlorobenzene	10	1700	NA	NR	1900	1200
1,2,3-Trichlorobenzene	10	3200	NA	NR	4500	2900
1,2,4-Trichlorobenzene	10	>8500	NA	NR	15000	6400
1,2,3,4-Tetrachlorobenzene	10	>13000	NA	NR	40000	12000
1,2,4,5-Tetrachlorobenzene	10	2500	NA	NR	6000	2100
Hexachlorobenzene	10	120	NA	NR	360	75
Alpha Hexachlorocyclohexane	10	620	NA	NR	840	450
Beta Hexachlorocyclohexane	10	104	NA	NR	120	96
Gamma Hexachlorocyclohexane	10	470	NA	NR	720	390
Delta Hexachlorocyclohexane	10	730	NA	NR	1200	860
2,5-Dichloroaniline	10	380	NA	NR	290	200
3,4-Dichloroaniline	10	ND	NA	NR	ND	ND
Phenol	10	120	NA	NR	180	170
2-Chlorophenol	10	10	NA	NR	22	17
4-Chlorophenol	10	ND	NA	NR	180	51
2,4-Dichlorophenol	10	12	NA	NR	15	18
2,5-Dichlorophenol	10	ND	NA	NR	15	18
2,4,5-Trichlorophenol	50	90	NA	NR	74	50
2,4,6-Trichlorophenol	10	ND	NA	NR	ND	ND
2-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	ND	NR
Volatiles						
Benzene	5	18000	NA	NR	14000	16000
Toluene	5	213	NA	NR	320	300
Monochlorobenzene	5	5800	NA	NR	5800	5600
2-Monochlorotoluene	5	98	NA	NR	ND	ND
4-Monochlorotoluene	5	73	NA	NR	ND	ND
TOTAL SSI:		56670	NA	NR	92641	49600

All data reported in ug/L

Analytical Data
ALLUVIUM Well OW47-85
Elevation of open interval 547.4 - 542.4
102nd Street Landfill
Niagara Falls, New York

	Survey Level	04/21/1987	06/23/1987	06/30/1987	11/04/1987
Parameters					
Total Organic Halide (TOX)	10	14000	<1000	NR	12000
Total Kjeldahl Nitrogen (TKN)	100	7600	11000	NR	9700
Total Organic Carbon (TOC)	1000	155000	150000	NR	23000
Phosphorous (Dissolved)	10	3900	6100	NR	3300
Mercury	.2	ND	ND	NR	ND
Arsenic	50	NR	NR	NR	ND
Semi-Volatiles					
1,2-Dichlorobenzene	10	NR	NR	NR	620
1,4-Dichlorobenzene	10	NR	NR	NR	1200
1,2,3-Trichlorobenzene	10	NR	NR	NR	1300
1,2,4-Trichlorobenzene	10	NR	NR	NR	4600
1,2,3,4-Tetrachlorobenzene	10	NR	NR	NR	2500
1,2,4,5-Tetrachlorobenzene	10	NR	NR	NR	260
Hexachlorobenzene	10	NR	NR	NR	ND
Alpha Hexachlorocyclohexane	10	NR	NR	NR	340
Beta Hexachlorocyclohexane	10	NR	NR	NR	91
Gamma Hexachlorocyclohexane	10	NR	NR	NR	230
Delta Hexachlorocyclohexane	10	NR	NR	NR	500
2,5-Dichloroaniline	10	NR	NR	NR	210
3,4-Dichloroaniline	10	NR	NR	NR	ND
Phenol	10	NR	NR	NR	69
2-Chlorophenol	10	NR	NR	NR	19
4-Chlorophenol	10	NR	NR	NR	33
2,4-Dichlorophenol	10	NR	NR	NR	13
2,5-Dichlorophenol	10	NR	NR	NR	13
2,4,5-Trichlorophenol	50	NR	NR	NR	62
2,4,6-Trichlorophenol	10	NR	NR	NR	ND
2-Chlorobenzoic Acid	100	NR	NR	NR	ND
3-Chlorobenzoic Acid	100	NR	NR	NR	ND
4-Chlorobenzoic Acid	100	NR	NR	NR	ND
Volatiles					
Benzene	5	NR	NR	NR	6400
Toluene	5	NR	NR	NR	300
Monochlorobenzene	5	NR	NR	NR	5100
2-Monochlorotoluene	5	NR	NR	NR	150
4-Monochlorotoluene	5	NR	NR	NR	110
TOTAL SSI:		NR	NR	NR	24125

All data reported in ug/L

Analytical Data
FILL well OW48-86
Elevation of open interval 568.2 - 563.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/09/1987	03/30/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	250	300	NR
Total Kjeldahl Nitrogen (TKN)	100	2500	770	NR
Total Organic Carbon (TOC)	1000	600000	100000	NR
Phosphorous (Dissolved)	10	280	ND	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	22	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		22	5	NR

All data reported in ug/L

Analytical Data
FILL well OW49-86
Elevation of open interval 567.9 - 562.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	03/30/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	430	570	NR
Total Kjeldahl Nitrogen (TKN)	100	4900	2300	NR
Total Organic Carbon (TOC)	1000	NA	120000	NR
Phosphorous (Dissolved)	10	410	ND	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	5	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		5	2.5	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW50-86
Elevation of open interval 555.9 - 550.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	03/30/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	600	690	NR
Total Kjeldahl Nitrogen (TKN)	100	33000	24000	NR
Total Organic Carbon (TOC)	1000	200000	190000	NR
Phosphorous (Dissolved)	10	1500	340	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		0	0	NR

All data reported in ug/L

Analytical Data
FILL well OW51-86
Elevation of open interval 567.7 - 562.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	03/27/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	160	160	NR
Total Kjeldahl Nitrogen (TKN)	100	6600	4800	NR
Total Organic Carbon (TOC)	1000	50000	110000	NR
Phosphorous (Dissolved)	10	640	730	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		0	0	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW52-86
Elevation of open interval 556.7 - 551.7
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	03/27/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	150	93	NR
Total Kjeldahl Nitrogen (TKN)	100	9900	8200	NR
Total Organic Carbon (TOC)	1000	215000	120000	NR
Phosphorous (Dissolved)	10	1400	1600	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	100	ND	NR
3-Chlorobenzoic Acid	100	100	ND	NR
4-Chlorobenzoic Acid	100	100	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		300	150	NR

All data reported in ug/L

Analytical Data
BEDROCK well OW53-86
Elevation of open interval 530.3 - 514.3
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/10/1987	02/10/1987 Fld Dup	03/27/1987	03/27/1987 Fld Dup	06/30/1987
Parameters						
Total Organic Halide (TOX)	10	32	36	<20	NR	NR
Total Kjeldahl Nitrogen (TKN)	100	1800	1600	210	NR	NR
Total Organic Carbon (TOC)	1000	20000	3000	2000	NR	NR
Phosphorous (Dissolved)	10	ND	ND	ND	NR	NR
Mercury	.2	ND	ND	ND	NR	NR
Arsenic	50	ND	ND	ND	NR	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,4-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
Hexachlorobenzene	10	ND	NA	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
2,5-Dichloroaniline	10	ND	NA	ND	ND	NR
3,4-Dichloroaniline	10	ND	NA	ND	ND	NR
Phenol	10	ND	NA	ND	ND	NR
2-Chlorophenol	10	ND	NA	ND	ND	NR
4-Chlorophenol	10	ND	NA	ND	ND	NR
2,4-Dichlorophenol	10	ND	NA	ND	ND	NR
2,5-Dichlorophenol	10	ND	NA	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	NA	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	NA	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	ND	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	ND	ND	NR	NR
Volatiles						
Benzene	5	ND	NA	ND	ND	NR
Toluene	5	ND	NA	ND	ND	NR
Monochlorobenzene	5	ND	NA	ND	ND	NR
2-Monochlorotoluene	5	ND	NA	ND	ND	NR
4-Monochlorotoluene	5	ND	NA	ND	ND	NR
TOTAL SSI:		0	NA	0	0	NR

All data reported in ug/L

Analytical Data
FILL well OW54-86
Elevation of open interval 566.5 - 561.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/09/1987	03/26/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	100	61	NR
Total Kjeldahl Nitrogen (TKN)	100	6300	3800	NR
Total Organic Carbon (TOC)	1000	130000	190000	NR
Phosphorous (Dissolved)	10	280	ND	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	22	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		22	5	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW55-86
Elevation of open interval 553.6 - 548.6
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/09/1987	02/09/1987 Fld Dup	03/26/1987	03/26/1987 Fld Dup	06/30/1987
Parameters						
Total Organic Halide (TOX)	10	100	NR	97	90	NR
Total Kjeldahl Nitrogen (TKN)	100	12000	NR	9800	12000	NR
Total Organic Carbon (TOC)	1000	40000	NR	260000	210000	NR
Phosphorous (Dissolved)	10	760	NR	170	210	NR
Mercury	.2	ND	NR	ND	ND	NR
Arsenic	50	ND	NR	ND	ND	NR
Semi-Volatiles						
1,2-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,4-Dichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	NA	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	NA	ND	ND	NR
Hexachlorobenzene	10	ND	NA	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	NA	ND	ND	NR
2,5-Dichloroaniline	10	ND	NA	ND	ND	NR
3,4-Dichloroaniline	10	ND	NA	ND	ND	NR
Phenol	10	ND	NA	ND	ND	NR
2-Chlorophenol	10	ND	NA	ND	ND	NR
4-Chlorophenol	10	ND	NA	ND	ND	NR
2,4-Dichlorophenol	10	ND	NA	ND	ND	NR
2,5-Dichlorophenol	10	ND	NA	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	NA	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	NA	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	NR	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	NR	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	NR	ND	ND	NR
Volatiles						
Benzene	5	ND	NA	ND	ND	NR
Toluene	5	ND	NA	ND	ND	NR
Monochlorobenzene	5	ND	NA	ND	ND	NR
2-Monochlorotoluene	5	ND	NA	ND	ND	NR
4-Monochlorotoluene	5	ND	NA	ND	ND	NR
TOTAL SSI:		0	NA	0	0	NR

All data reported in ug/L

Analytical Data
FILL well OW56-86
Elevation of open interval 568.5 - 563.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/12/1987	03/26/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	34	20	NR
Total Kjeldahl Nitrogen (TKN)	100	3900	3800	NR
Total Organic Carbon (TOC)	1000	150000	190000	NR
Phosphorous (Dissolved)	10	140	ND	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		0	0	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW57-86
Elevation of open interval 552.6 - 547.6
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/06/1987	03/26/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	87	94	NR
Total Kjeldahl Nitrogen (TKN)	100	8800	6800	NR
Total Organic Carbon (TOC)	1000	90000	230000	NR
Phosphorous (Dissolved)	10	990	690	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		0	0	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW58-86
Elevation of open interval 569.2 - 564.2
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/13/1987	03/31/1987	06/30/1987
Parameters				
Total Organic Halide (TOX)	10	<50	<50	NR
Total Kjeldahl Nitrogen (TKN)	100	ND	ND	NR
Total Organic Carbon (TOC)	1000	60000	70000	NR
Phosphorous (Dissolved)	10	ND	ND	NR
Mercury	.2	ND	ND	NR
Arsenic	50	ND	ND	NR
Semi-Volatiles				
1,2-Dichlorobenzene	10	ND	ND	NR
1,4-Dichlorobenzene	10	ND	ND	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR
Hexachlorobenzene	10	ND	ND	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR
2,5-Dichloroaniline	10	ND	ND	NR
3,4-Dichloroaniline	10	ND	ND	NR
Phenol	10	ND	ND	NR
2-Chlorophenol	10	ND	ND	NR
4-Chlorophenol	10	ND	ND	NR
2,4-Dichlorophenol	10	ND	ND	NR
2,5-Dichlorophenol	10	ND	ND	NR
2,4,5-Trichlorophenol	50	ND	ND	NR
2,4,6-Trichlorophenol	10	ND	ND	NR
2-Chlorobenzoic Acid	100	ND	ND	NR
3-Chlorobenzoic Acid	100	ND	ND	NR
4-Chlorobenzoic Acid	100	ND	ND	NR
Volatiles				
Benzene	5	ND	ND	NR
Toluene	5	ND	ND	NR
Monochlorobenzene	5	ND	ND	NR
2-Monochlorotoluene	5	ND	ND	NR
4-Monochlorotoluene	5	ND	ND	NR
TOTAL SSI:		0	0	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW60-86
Elevation of open interval 568.9 - 563.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	02/13/1987	03/31/1987	04/02/1987	06/30/1987
Parameters					
Total Organic Halide (TOX)	10	<50	<50	NR	NR
Total Kjeldahl Nitrogen (TKN)	100	ND	ND	NR	NR
Total Organic Carbon (TOC)	1000	40000	50000	NR	NR
Phosphorous (Dissolved)	10	550	630	NR	NR
Mercury	.2	ND	ND	NR	NR
Arsenic	50	ND	ND	NR	NR
Semi-Volatiles					
1,2-Dichlorobenzene	10	ND	ND	NR	NR
1,4-Dichlorobenzene	10	ND	ND	NR	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR	NR
Hexachlorobenzene	10	ND	ND	NR	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR	NR
2,5-Dichloroaniline	10	ND	ND	NR	NR
3,4-Dichloroaniline	10	ND	ND	NR	NR
Phenol	10	ND	ND	NR	NR
2-Chlorophenol	10	ND	ND	NR	NR
4-Chlorophenol	10	ND	ND	NR	NR
2,4-Dichlorophenol	10	ND	ND	NR	NR
2,5-Dichlorophenol	10	ND	ND	NR	NR
2,4,5-Trichlorophenol	50	ND	ND	NR	NR
2,4,6-Trichlorophenol	10	ND	ND	NR	NR
2-Chlorobenzoic Acid	100	ND	ND	NR	NR
3-Chlorobenzoic Acid	100	ND	ND	NR	NR
4-Chlorobenzoic Acid	100	ND	ND	NR	NR
Volatiles					
Benzene	5	ND	ND	NR	NR
Toluene	5	ND	ND	NR	NR
Monochlorobenzene	5	ND	ND	NR	NR
2-Monochlorotoluene	5	ND	ND	NR	NR
4-Monochlorotoluene	5	ND	ND	NR	NR
TOTAL SSI:		0	0	NR	NR

All data reported in ug/L

Analytical Data
TILL well OW62-87
Elevation of open interval 547.9 - 542.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	04/02/1987	04/03/1987	04/23/1987	06/25/1987	06/30/1987	11/09/1987
Parameters							
Total Organic Halide (TOX)	10	NR	380	470	610	NR	NR
Total Kjeldahl Nitrogen (TKN)	100	NR	5200	7600	8000	NR	NR
Total Organic Carbon (TOC)	1000	NR	130000	89000	91000	NR	NR
Phosphorous (Dissolved)	10	NR	210	240	ND	NR	NR
Mercury	.2	NR	ND	ND	ND	NR	NR
Arsenic	50	NR	ND	NR	NR	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	NR	ND	NR	NR	NR	NR
1,4-Dichlorobenzene	10	NR	ND	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	NR	ND	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	NR	ND	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	NR	ND	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	NR	ND	NR	NR	NR	NR
Hexachlorobenzene	10	NR	ND	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	NR	ND	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	NR	ND	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	NR	ND	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	NR	ND	NR	NR	NR	NR
2,5-Dichloroaniline	10	NR	ND	NR	NR	NR	NR
3,4-Dichloroaniline	10	NR	ND	NR	NR	NR	NR
Phenol	10	NR	ND	NR	NR	NR	NR
2-Chlorophenol	10	NR	ND	NR	NR	NR	NR
4-Chlorophenol	10	NR	ND	NR	NR	NR	NR
2,4-Dichlorophenol	10	NR	ND	NR	NR	NR	NR
2,5-Dichlorophenol	10	NR	ND	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	NR	ND	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	NR	ND	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	NR	ND	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	NR	ND	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	NR	ND	NR	NR	NR	NR
Volatiles							
Benzene	5	NR	ND	NR	NR	NR	NR
Toluene	5	NR	ND	NR	NR	NR	NR
Monochlorobenzene	5	NR	ND	NR	NR	NR	NR
2-Monochlorotoluene	5	NR	ND	NR	NR	NR	NR
4-Monochlorotoluene	5	NR	ND	NR	NR	NR	NR
TOTAL SSI:		NR	0	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
TILL well OW62-87
Elevation of open interval 547.9 - 542.9
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/10/1987
Parameters		
Total Organic Halide (TOX)	10	440
Total Kjeldahl Nitrogen (TKN)	100	7700
Total Organic Carbon (TOC)	1000	17000
Phosphorous (Dissolved)	10	ND
Mercury	.2	ND
Arsenic	50	NR
Semi-Volatiles		
1,2-Dichlorobenzene	10	NR
1,4-Dichlorobenzene	10	NR
1,2,3-Trichlorobenzene	10	NR
1,2,4-Trichlorobenzene	10	NR
1,2,3,4-Tetrachlorobenzene	10	NR
1,2,4,5-Tetrachlorobenzene	10	NR
Hexachlorobenzene	10	NR
Alpha Hexachlorocyclohexane	10	NR
Beta Hexachlorocyclohexane	10	NR
Gamma Hexachlorocyclohexane	10	NR
Delta Hexachlorocyclohexane	10	NR
2,5-Dichloroaniline	10	NR
3,4-Dichloroaniline	10	NR
Phenol	10	NR
2-Chlorophenol	10	NR
4-Chlorophenol	10	NR
2,4-Dichlorophenol	10	NR
2,5-Dichlorophenol	10	NR
2,4,5-Trichlorophenol	50	NR
2,4,6-Trichlorophenol	10	NR
2-Chlorobenzoic Acid	100	NR
3-Chlorobenzoic Acid	100	NR
4-Chlorobenzoic Acid	100	NR
Volatiles		
Benzene	5	NR
Toluene	5	NR
Monochlorobenzene	5	NR
2-Monochlorotoluene	5	NR
4-Monochlorotoluene	5	NR
TOTAL SSI:		NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW63-87
Elevation of open interval 566.5 - 561.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	04/02/1987	04/02/1987 Fld Dup	04/23/1987	06/25/1987	06/30/1987	11/09/1987
Parameters							
Total Organic Halide (TOX)	10	3700	NR	3200	13000	NR	NR
Total Kjeldahl Nitrogen (TKN)	100	4100	NR	2400	2400	NR	NR
Total Organic Carbon (TOC)	1000	60000	NR	160000	360000	NR	NR
Phosphorous (Dissolved)	10	5100	NR	180	160	NR	NR
Mercury	.2	ND	NR	ND	ND	NR	NR
Arsenic	50	ND	NR	NR	NR	NR	NR
Semi-Volatiles							
1,2-Dichlorobenzene	10	ND	ND	NR	NR	NR	NR
1,4-Dichlorobenzene	10	ND	ND	NR	NR	NR	NR
1,2,3-Trichlorobenzene	10	ND	ND	NR	NR	NR	NR
1,2,4-Trichlorobenzene	10	ND	ND	NR	NR	NR	NR
1,2,3,4-Tetrachlorobenzene	10	ND	ND	NR	NR	NR	NR
1,2,4,5-Tetrachlorobenzene	10	ND	ND	NR	NR	NR	NR
Hexachlorobenzene	10	ND	ND	NR	NR	NR	NR
Alpha Hexachlorocyclohexane	10	ND	ND	NR	NR	NR	NR
Beta Hexachlorocyclohexane	10	ND	ND	NR	NR	NR	NR
Gamma Hexachlorocyclohexane	10	ND	ND	NR	NR	NR	NR
Delta Hexachlorocyclohexane	10	ND	ND	NR	NR	NR	NR
2,5-Dichloroaniline	10	ND	ND	NR	NR	NR	NR
3,4-Dichloroaniline	10	ND	ND	NR	NR	NR	NR
Phenol	10	ND	ND	NR	NR	NR	NR
2-Chlorophenol	10	ND	ND	NR	NR	NR	NR
4-Chlorophenol	10	ND	ND	NR	NR	NR	NR
2,4-Dichlorophenol	10	ND	ND	NR	NR	NR	NR
2,5-Dichlorophenol	10	ND	ND	NR	NR	NR	NR
2,4,5-Trichlorophenol	50	ND	ND	NR	NR	NR	NR
2,4,6-Trichlorophenol	10	ND	ND	NR	NR	NR	NR
2-Chlorobenzoic Acid	100	ND	NR	NR	NR	NR	NR
3-Chlorobenzoic Acid	100	ND	NR	NR	NR	NR	NR
4-Chlorobenzoic Acid	100	ND	NR	NR	NR	NR	NR
Volatiles							
Benzene	5	ND	ND	NR	NR	NR	NR
Toluene	5	ND	ND	NR	NR	NR	NR
Monochlorobenzene	5	ND	ND	NR	NR	NR	NR
2-Monochlorotoluene	5	ND	ND	NR	NR	NR	NR
4-Monochlorotoluene	5	ND	ND	NR	NR	NR	NR
TOTAL SSI:		0	0	NR	NR	NR	NR

All data reported in ug/L

Analytical Data
ALLUVIUM well OW63-87
Elevation of open interval 566.5 - 561.5
102nd Street Landfill
Niagara Falls, New York

	Survey Level	11/10/1987	11/14/1987
Parameters			
Total Organic Halide (TOX)	10	6600	NR
Total Kjeldahl Nitrogen (TKN)	100	21000	NR
Total Organic Carbon (TOC)	1000	110000	NR
Phosphorous (Dissolved)	10	1800	NR
Mercury	.2	ND	NR
Arsenic	50	200	NR
Semi-Volatiles			
1,2-Dichlorobenzene	10	NR	ND
1,4-Dichlorobenzene	10	NR	ND
1,2,3-Trichlorobenzene	10	NR	ND
1,2,4-Trichlorobenzene	10	NR	ND
1,2,3,4-Tetrachlorobenzene	10	NR	ND
1,2,4,5-Tetrachlorobenzene	10	NR	ND
Hexachlorobenzene	10	NR	ND
Alpha Hexachlorocyclohexane	10	NR	ND
Beta Hexachlorocyclohexane	10	NR	ND
Gamma Hexachlorocyclohexane	10	NR	ND
Delta Hexachlorocyclohexane	10	NR	ND
2,5-Dichloroaniline	10	NR	ND
3,4-Dichloroaniline	10	NR	ND
Phenol	10	NR	ND
2-Chlorophenol	10	NR	ND
4-Chlorophenol	10	NR	ND
2,4-Dichlorophenol	10	NR	ND
2,5-Dichlorophenol	10	NR	ND
2,4,5-Trichlorophenol	50	NR	ND
2,4,6-Trichlorophenol	10	NR	ND
2-Chlorobenzoic Acid	100	NR	ND
3-Chlorobenzoic Acid	100	NR	ND
4-Chlorobenzoic Acid	100	NR	ND
Volatiles			
Benzene	5	NR	ND
Toluene	5	NR	ND
Monochlorobenzene	5	NR	ND
2-Monochlorotoluene	5	NR	ND
4-Monochlorotoluene	5	NR	ND
TOTAL SSI:		NR	0

All data reported in ug/L

APPENDIX B

OFF-SITE SOILS INVESTIGATION DATA

Report Date: 10/27/88

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
ND - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/21/86	A	50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1260	230
10/21/86	A	50	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/86	A	100		F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/87	A	125			ND	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	A	125	F	M												
04/08/87	A	180		M												
10/23/87	A	180			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	AB	1	100		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/86	AB	2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	AB	3	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	B	50		F	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	B	50	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/87	B	75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	B	75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	B	75	F	M												
04/08/87	B	415		M												
06/04/87	BB	100	-4	M												
10/23/87	BC	1-50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	BC	1-50	REP	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	BC	1-50	REP RRUN	ND												

002796

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:				100	100	100	100	100	100	100	100	100	100	100	100
10/23/87	BC 1-50 RRUN		M												
10/23/87	BC 2-50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	BC 2-50 RRUN		M												
10/23/87	BC 3-50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	C 20			ND	ND	137	113	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	C 20 RRUN			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/87	C 50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/87	C 75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	C 75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	C 75 F		M												
07/16/87	C 75 REP		D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	C 275 F		M												
04/08/87	C 456		M												
06/04/87	CC 100 -4		M												
10/23/87	CD 1 50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	CD 2 40			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	CD 3 30			ND	ND	ND	ND	ND	ND	ND	ND	118	ND	ND	ND
10/21/86	D 11			ND	ND	ND	ND400	ND	ND	128	ND	ND	ND	ND	ND
10/21/86	D 11 RRUN			ND	ND	ND	288	ND	ND	ND	103	ND	ND	ND	ND
04/07/87	D 30			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

002797

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100	100	100	100	100	100
07/16/87	D	75				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	D	75	F		M												
07/22/87	D	75	F	REP	MD												
07/22/87	D	450	F		M												
04/08/87	D	757			M												
06/04/87	DD	100	-4		M												
10/23/87	DE	1	50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/87	DE	2	50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	DE	2	75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/87	DE	3	50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	E	50				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	E	50	ARUM			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/87	E	75				ND	1430	1570	430	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	E	75	F		M												
10/22/87	E	75	F			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	75	S			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	100	F			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	100	S			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	100	S	REP	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	125	F			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	E	125	S			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
07/22/87	E	350	F	M												
04/08/87	E	631		M												
12/17/87	EF	1	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/87	EF	2	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/87	EF	3	60		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	F	50		1	ND	ND	ND	103	ND	ND	ND	ND	ND	ND	266	ND
10/21/86	F	50	RRUN	F1	ND	ND	ND	136	ND	ND	ND	ND	ND	ND	ND	ND
04/07/87	F	75		F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/87	F	100		F	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	F	100	F	M												
04/10/87	F	500		M												
04/10/87	F	500	REP	MD												
04/07/87	FB	#4	-87	Q	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/87	FB	4	27	Q												
04/10/87	FB	4	60	Q												
06/04/87	FB	200	-4 F BLNK		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/87	FG	1	95		ND	ND	ND	ND	ND	208	493	361	235	2850	4570	7880
11/22/87	FG	1	200	C	ND	ND	ND	ND	ND	115	164	273	ND	613	328	1320
12/17/87	FG	1	350		ND	ND	ND	ND	ND	ND	ND	ND	ND	200	ND	225
12/17/87	FG	1	500		ND	ND	ND	ND	ND	ND	ND	ND	ND	984	142	4950

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100	100	100	100	100	100
12/17/87	FG	1	500	REP D		ND	ND	ND	ND	ND	ND	ND	105	ND	1010	127	3210
10/21/87	FG	2	210			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/87	FG	3	125			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/86	G	6.5				ND	220	5810	313	ND	124	152	138	ND	294	ND	179
10/27/86	G	6.5	RRUN			ND	ND	ND	ND	ND	117	166	175	ND	305	ND	217
12/19/86	G	18.7				ND	ND	ND	ND	ND	ND	ND	ND	ND	156	ND	ND
04/07/87	G	56				ND	ND	ND	ND	ND	377	250	548	ND	2000	150	2400
04/10/87	G	100			M												
06/04/87	G	100	-4			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/86	H	3				ND	ND	198	267	147	216	308	304	101	243	289	627
10/27/86	H	3	RRUN			ND	167	ND	557	ND	159	230	205	ND	153	143	270
12/19/86	H	18.2				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/87	H	122			M												
06/04/87	H	122	-4			ND	ND	ND	118	ND	ND	ND	ND	ND	ND	ND	ND
06/05/87	HH	119F	-4		M												
06/05/87	HH	119S	-4		M												
10/27/86	I	3.5				390	ND	382	567	ND	410	752	446	147	1640	315	283
10/27/86	I	3.5	RRUN			127	265	410	732	ND	384	800	490	185	2000	451	2940
12/19/86	I	18.3				ND	ND	ND	ND	ND	ND	171	295	ND	594	144	1350
04/07/87	I	55				ND	ND	ND	ND	ND	239	627	553	130	3400	170	1300

002800

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100	100	100	100	100	100
04/10/87	I	137			M												
06/04/87	I	137	-4		F1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/04/87	I	137	-4	REP	D	ND	ND	ND	142	ND	ND	ND	ND	ND	ND	ND	ND
06/05/87	II	100F	-4		M												
06/05/87	II	100F	-4	REP	MD												
06/05/87	II	100S	-4		M												
06/05/87	II	100S	-4	REP	MD												
10/27/86	J	2.5				298	455	1700	2440	859	4040	11300	4670	736	9510	1580	6020
10/27/86	J	2.5	RRUN			881	917	2770	4280	798	3360	11000	4880	640	7840	1980	5260
12/19/86	J	18.9				ND	ND	ND	ND	ND	ND	162	119	ND	358	ND	462
04/07/87	J	55				ND	ND	ND	ND	ND	114	150	153	ND	463	ND	463
04/07/87	J	55	REP		D	ND	ND	ND	ND	ND	124	159	159	ND	500	ND	459
04/10/87	J	163			M												
06/04/87	J	163	-4			ND	ND	ND	133	ND	ND	ND	ND	ND	ND	ND	ND
06/05/87	JJ	100F	-4		M												
06/05/87	JJ	100S	-4		M												
10/27/86	K	4				ND	ND	218	155	ND	ND	ND	ND	ND	140	ND	172
10/27/86	K	4	RRUN		1	ND	ND	ND	ND	ND	ND	ND	ND	ND	152	ND	230
12/19/86	K	18.1				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/87	K	170			M												

002801

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:				100	100	100	100	100	100	100	100	100	100	100	100
07/20/87	K 170			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/87	K 170	REP	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/05/87	KK 100F	-4	M1												
06/05/87	KK 100S	-4	M												
10/27/86	L 2.3			ND	ND	ND	ND	108	ND	ND	ND	ND	ND	ND	206
10/27/86	L 2.3	RRUN		ND	ND	ND	199	ND	ND	105	ND	ND	117	109	294
12/19/86	L 19.3			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/87	L 190		M												
07/20/87	L 190			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/87	L 190	REP	MD												
06/05/87	LL 100F	-4	M1												
06/05/87	LL 100S	-4	M												
10/23/86	M 2			ND200	ND200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/86	M 2	RRUN	C	ND	ND										
12/10/86	M 12.5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/25/87	M 20			ND	ND	ND	ND	ND	131	117	122	ND	306	155	2640
06/09/87	M 75	5W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	M 75	5W RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/87	M 215		M												
04/06/87	M 215	RRUN	M												

002802

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:				100	100	100	100	100	100	100	100	100	100	100	100
10/23/86	N	2		ND200	ND200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/86	N	12.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	387	220
03/24/87	N	20		ND	129	ND	258	ND	179	182	215	ND	180	220	2700
04/06/87	N	235	M												
07/17/87	N	235		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/87	N	235 RRUN	M												
10/23/86	O	2		ND200	ND200	ND	ND	ND	ND	ND	ND	ND	ND	ND	507
12/11/86	O	12.5		ND400	ND400	ND400	ND400	ND	164	ND	123	ND	ND	341	1850
12/11/86	O	12.5	D	ND	ND200	ND	ND	ND	ND	ND	ND	ND	ND	174	607
03/24/87	O	17		ND	ND	ND	267	ND	156	ND	108	ND	ND	147	2800
03/24/87	O	17	D	ND	ND	ND	193	ND	162	ND	ND	ND	ND	120	1600
06/09/87	O	75 5W		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	O	75 5W RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/14/87	O	231		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/88	O	231													
06/09/88	O	231	D												
08/14/87	O	231 RRUN	M												
04/06/87	O	245	M												
04/06/87	O	245 RRUN	M												
10/23/86	P	2		ND200	ND200	ND	ND	ND	ND	ND	ND	ND	ND	ND	340
12/11/86	P	12.5		ND	ND	ND	440	ND	174	ND	ND	ND	ND	273	342
03/24/87	P	18		ND	ND	ND	199	ND	153	ND	ND	ND	ND	130	1600

002803

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
07/20/87	P	205			302	113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/88	P	205			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/87	P	205	RRUN	C	ND	ND	ND	ND								
10/23/86	Q	2		Z	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
10/28/86	Q	2			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	286	2150
10/28/86	Q	2	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	790
10/28/86	Q	2	RRUN	C											460	2800
12/11/86	Q	12.5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	114	1050
06/08/87	Q	50			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/08/87	Q	50	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/25/87	Q	75			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110
06/08/87	Q	100			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	116
06/08/87	Q	100	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/08/87	Q	100	D		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	221
06/08/87	Q	100	D	RRUN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	239
10/28/86	R	6			ND200	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	1090
10/28/86	R	6	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	1020
12/11/86	R	12			ND400	ND400	ND400	ND400	ND	ND	ND	ND	ND	ND	ND	423
03/25/87	R	62			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1390
06/09/87	R	90			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	466
06/09/87	R	90	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	225

002804

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
				↓												
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/28/86	S	6			ND200	ND	ND	164	ND	ND	ND	ND	ND	ND	ND	418
10/28/86	S	6	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	254
12/11/86	S	12			ND400	ND400	ND400	ND400	ND	ND	ND	ND	ND	ND	198	654
10/29/86	S	35			ND	ND	ND	142	ND	ND	ND	ND	ND	ND	ND	206
10/29/86	S	35		D	ND200	ND	102	ND	ND	ND	ND	ND	ND	ND	ND	368
10/29/86	S	35	RRUN		ND	ND	ND	127	ND	ND	ND	ND	ND	ND	ND	170
10/29/86	S	35	RRUN	D	ND	ND	ND	133	ND	ND	ND	ND	ND	ND	ND	214
12/12/86	S	45			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	276
03/26/87	S	90			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/08/87	S	100			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/08/87	S	100	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	ST	1	45		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	266
06/09/87	ST	1	45	RRUN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	125
06/09/87	ST	2	40		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	ST	2	40	RRUN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	ST	3	35		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	ST	3	35	RRUN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/28/86	T	6			ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/28/86	T	6	RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/12/86	T	20			ND	288	ND	ND	ND	ND	ND	ND	ND	ND	ND	109
12/12/86	T	20	RRUN	C		ND										ND
03/25/87	T	37.5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

002805

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:				100	100	100	100	100	100	100	100	100	100	100	100
06/09/87	T	62		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	T	62 RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/14/87	T	75		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/05/87	XX	100	M												
12/12/86	Z	1 0		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/26/87	Z	2 0		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	Z	3		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/09/87	Z	3 RRUN		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/87	Z	500 FLD BLNK		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/87	Z	600 FLD BLNK M													
10/22/87	Z	700		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	Z	800		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/17/87	Z	900		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

002806

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:						100	100	100	100	100	100	100	
10/21/86	A	50				ND	ND	ND	ND	253	ND	220	26
10/21/86	A	50	RRUN			ND	ND	ND	ND	ND	ND		
12/19/86	A	100			F1	ND	ND	ND	ND	ND	ND	676	28
07/16/87	A	125				ND	185	ND	ND	ND	ND	698	15
07/22/87	A	125	F		M							2310	19
04/08/87	A	180			M							518	24
10/23/87	A	180				ND	ND	ND	ND	ND	ND	531	22
10/23/87	AB	1	100			ND	ND	ND	ND	ND	ND	880	18
12/19/86	AB	2	50			ND	ND	ND	ND	ND	ND	549	19
10/23/87	AB	3	50			ND	ND	ND	ND	ND	ND	132	23
10/21/86	B	50			F	ND	ND	ND	ND	ND	ND	177	21
10/21/86	B	50	RRUN			ND	ND	ND	ND	ND	ND		
07/16/87	B	75				ND	ND	ND	ND	ND	ND	569	12
10/23/87	B	75				ND	ND	ND	ND	ND	ND	956	21
07/22/87	B	75	F		M							715	28
04/08/87	B	415			M							440	18
06/04/87	BB	100	-4		M							168	10
10/23/87	BC	1-50				ND	ND	ND	ND	ND	ND	756	23
10/23/87	BC	1-50	REP		D	ND	ND	ND	ND	ND	ND	1350	22
10/23/87	BC	1-50	REP	RRUN	MD							404	

002807

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes:
F1 - FOUND & 1ST REPL.
MD - Hg ONLY & FIELD DUP.
M1 - Hg ONLY & 1st REPL.
M - Analyzed for Hg only
1 - 1ST REPLICATE
Z - UNSUITABLE SAMPLE
F - FOUND
Q - QA SAMPLE
D - FIELD DUPLICATE
C - CONFIRMED BY GC/MS

		[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:			100	100	100	100	100	100	100	
10/23/87	BC 1-50 RRUN	M							417	
10/23/87	BC 2-50		ND	ND	ND	ND	ND	ND	19100	21
10/23/87	BC 2-50 RRUN	M							26000	
10/23/87	BC 3-50		ND	ND	ND	ND	ND	ND	2660	17
10/21/86	C 20		ND	ND	ND	ND	ND	ND	1110	22
10/21/86	C 20 RRUN		ND	ND	ND	ND	ND	ND		
04/07/87	C 50		ND	ND	ND	ND	ND	ND	1610	21
07/16/87	C 75		ND	ND	ND	ND	ND	ND	463	21
10/23/87	C 75		ND	ND	ND	ND	ND	ND	ND	15
07/22/87	C 75 F	M							746	29
07/16/87	C 75 REP	D	ND	ND	ND	ND	ND	ND	388	20
07/22/87	C 275 F	M							501	32
04/08/87	C 456	M							821	19
06/04/87	CC 100 -4	M							201	13
10/23/87	CD 1 50		ND	ND	ND	ND	ND	ND	ND	17
10/23/87	CD 2 40		ND	ND	ND	ND	ND	ND	321	13
10/23/87	CD 3 30		ND	ND	ND	ND	ND	ND	1480	28
10/21/86	D 11		ND	ND	ND	ND	ND	ND	686	25
10/21/86	D 11 RRUN		ND	ND	ND	ND	ND	ND		
04/07/87	D 30		ND	ND	ND	ND	ND	ND	1200	26

00280

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:						100	100	100	100	100	100	100	
07/16/87	D	75				ND	ND	ND	ND	ND	ND	555	17
07/22/87	D	75	F		M							945	29
07/22/87	D	75	F	REP	MD							1010	30
07/22/87	D	450	F		M							543	22
04/08/87	D	757			M							518	18
06/04/87	DD	100	-4		M							ND	15
10/23/87	DE	1	50			ND	ND	ND	ND	ND	ND	1430	21
12/17/87	DE	2	50			ND	ND	ND	ND	ND	ND	1880	21
10/22/87	DE	2	75			ND	ND	ND	ND	ND	ND	389	20
12/17/87	DE	3	50			ND	ND	ND	ND	ND	ND	4760	23
10/21/86	E	50				ND	ND	ND	ND	ND	ND	562	25
10/21/86	E	50	RRUN			ND	ND	ND	ND	ND	ND		
07/16/87	E	75				ND	ND	ND	ND	ND	ND	1030	17
07/22/87	E	75	F		M							2000	20
10/22/87	E	75	F			ND	ND	ND	ND	ND	ND	1600	21
10/22/87	E	75	S			ND	ND	ND	ND	ND	ND	744	32
10/22/87	E	100	F			ND	ND	ND	ND	ND	ND	555	23
10/22/87	E	100	S			ND	ND	ND	ND	ND	ND	142	14
10/22/87	E	100	S	REP	D	ND	ND	ND	ND	ND	ND	130	14
10/22/87	E	125	F			ND	ND	ND	ND	ND	ND	759	13
10/22/87	E	125	S			ND	ND	ND	ND	ND	ND	ND	15

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

ND - Not Detected above survey level

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:					100	100	100	100	100	100	100	
07/22/87	E	350	F	M							966	23
04/08/87	E	631		M							684	30
12/17/87	EF	1	50		ND	ND	ND	ND	ND	ND	311	15
04/07/87	EF	2	50		ND	ND	ND	ND	ND	ND	197	18
10/22/87	EF	3	60		ND	ND	ND	ND	ND	ND	425	26
10/21/86	F	50		1	ND	ND	ND	ND	ND	ND	1760	22
10/21/86	F	50	RRUN	F1	ND	ND	ND	ND	ND	ND		
04/07/87	F	75		F1	ND	ND	ND	ND	ND	ND	1520	23
07/16/87	F	100		F	ND	ND	ND	ND	ND	ND	1120	21
07/22/87	F	100	F	M							1740	32
04/10/87	F	500		M							709	23
04/10/87	F	500	REP	MD							1120	23
04/07/87	FB	#4	-87	Q	ND	ND	ND	ND	ND	ND	ND	64
04/10/87	FB	4	27	Q							193	8.6
04/10/87	FB	4	60	Q							181	15
06/04/87	FB	200	-4 F BLNK		ND	ND	ND	ND	ND	ND	ND	37
07/17/87	FG	1	95		150	ND	ND	ND	ND	ND	1770	17
10/22/87	FG	1	200	C	ND	ND	ND	ND	ND	ND	9290	20
12/17/87	FG	1	350		ND	ND	ND	ND	ND	ND	3520	19
12/17/87	FG	1	500		ND	ND	ND	ND	ND	ND	2360	19

000034

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:						100	100	100	100	100	100	100	
12/17/87	FG	1	500	REP D		ND	ND	ND	ND	ND	ND	3080	19
10/21/87	FG	2	210			ND	ND	ND	ND	ND	ND	247	18
10/21/87	FG	3	125			ND	ND	ND	ND	ND	ND	161	17
10/27/86	G	6.5				ND	ND	457	ND	ND	ND	1930	42
10/27/86	G	6.5	RRUN			ND	ND	ND	ND	ND	ND		
12/19/86	G	18.7				ND	136	ND	ND	ND	ND	1290	18
04/07/87	G	56				ND	ND	ND	ND	ND	ND	3660	19
04/10/87	G	100			M							551	18
06/04/87	G	100	-4			ND	ND	ND	ND	ND	ND	ND	15
10/27/86	N	3				489	113	546	ND	ND	ND	2270	44
10/27/86	N	3	RRUN			ND	ND	ND	ND	ND	ND		
12/19/86	N	18.2				ND	ND	ND	ND	ND	ND	126	15
04/10/87	N	122			M							ND	22
06/04/87	N	122	-4			ND	ND	ND	ND	ND	ND	ND	14
06/05/87	HH	119F	-4		M							1530	26
06/05/87	HH	119S	-4		M							471	24
10/27/86	I	3.5				ND	199	123	ND	ND	ND	1870	29
10/27/86	I	3.5	RRUN			ND	ND	ND	ND	ND	ND		
12/19/86	I	18.3				ND	ND	ND	ND	ND	ND	1150	16
04/07/87	I	55				ND	ND	ND	ND	ND	ND	1950	15

002811

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:						100	100	100	100	100	100	100	
04/10/87	I	137			M							407	20
06/04/87	I	137	-4		F1	ND	ND	ND	ND	ND	ND	205	13
06/04/87	I	137	-4	REP	D	ND	ND	ND	ND	ND	ND	406	14
06/05/87	II	100F	-4		M							ND	22
06/05/87	II	100F	-4	REP	MD							ND	23
06/05/87	II	100S	-4		M							342	15
06/05/87	II	100S	-4	REP	MD							334	16
10/27/86	J	2.5				1180	916	273	ND	ND	ND	2350	31
10/27/86	J	2.5	RRUN			1650	1210	ND	ND	132	ND		
12/19/86	J	18.9				ND	ND	ND	ND	ND	ND	625	16
04/07/87	J	55				ND	ND	ND	ND	ND	ND	1880	9.0
04/07/87	J	55		REP	D	ND	ND	ND	ND	ND	ND	1460	8.9
04/10/87	J	163			M							ND	20
06/04/87	J	163	-4			ND	ND	ND	ND	ND	ND	ND	17
06/05/87	JJ	100F	-4		M							2990	9.6
06/05/87	JJ	100S	-4		M							1340	7.8
10/27/86	K	4				ND	ND	ND	ND	ND	ND	486	20
10/27/86	K	4	RRUN		1	ND	ND	ND	ND	ND	ND		
12/19/86	K	18.1				ND	ND	ND	ND	ND	ND	252	15
04/10/87	K	170			M							164	20

002819

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:					100	100	100	100	100	100	100	
07/20/87	K	170			ND	ND	ND	ND	ND	ND		15
07/20/87	K	170	REP	D	ND	ND	ND	ND	ND	ND		16
06/05/87	KK	100F	-4	M1							45100	17
06/05/87	KK	100S	-4	M							310	7.2
10/27/86	L	2.3			ND	ND	117	ND	ND	ND	636	34
10/27/86	L	2.3	RRUN		ND	ND	ND	ND	ND	ND		
12/19/86	L	19.3			ND	ND	ND	ND	ND	ND	748	18
04/10/87	L	190		M							ND	19
07/20/87	L	190			ND	ND	ND	ND	ND	ND		17
04/10/87	L	190	REP	MD							160	18
06/05/87	LL	100F	-4	M1							620	16
06/05/87	LL	100S	-4	M							3040	9.4
10/23/86	M	2			ND	ND	115	ND	ND	ND	4760	19
10/23/86	M	2	RRUN	C			ND					
12/10/86	M	12.5			ND	ND	ND	ND	ND	ND	1880	20
03/25/87	M	20			ND	ND	ND	ND	ND	ND	7450	15
06/09/87	M	75	5W		ND	ND	ND	ND	ND	ND	ND	13
06/09/87	M	75	5W RRUN		ND	ND	ND	ND	ND	ND		
04/06/87	M	215		M							ND130	19
04/06/87	M	215	RRUN	M							ND	

002813

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:				100	100	100	100	100	100	100	
10/23/86	N	2		ND	ND	ND	ND	ND	ND	231	14
12/10/86	N	12.5		ND	ND	ND	ND	ND	ND	2260	19
03/24/87	N	20		ND	ND	ND	ND	ND	ND	4930	8.9
04/06/87	N	235	M							ND140	19
07/17/87	N	235		ND	ND	ND	ND	ND	ND		17
04/06/87	N	235 RRUN	M							ND	
10/23/86	O	2		ND	ND	ND	ND	ND	ND	9200	19
12/11/86	O	12.5		ND	ND	ND	ND	ND	ND	>3600	19
12/11/86	O	12.5	D	ND	ND	ND	ND	ND	ND	>3000	19
03/24/87	O	17		ND	ND	ND	ND	ND	ND	9000	14
03/24/87	O	17	D	ND	ND	ND	ND	ND	ND	6360	12
06/09/87	O	75 5W		ND	ND	ND	ND	ND	ND	2060	12
06/09/87	O	75 5W RRUN		ND	ND	ND	ND	ND	ND		
08/14/87	O	231		ND	ND	ND	ND	ND	ND	11500	17
06/09/88	O	231								3280	28
06/09/88	O	231	D							3050	23
08/14/87	O	231 RRUN	M							3690	
04/06/87	O	245	M							ND180	14
04/06/87	O	245 RRUN	M							110	
10/23/86	P	2		ND	ND	ND	ND	ND	ND	2890	15
12/11/86	P	12.5		ND	ND	ND	ND	ND	ND	>2800	18
03/24/87	P	18		ND	ND	ND	ND	ND	ND	2380	9.0

002814

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

| ND - Not Detected above survey level |

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:					100	100	100	100	100	100	100	
07/20/87	P	205			ND	ND	ND	ND	ND	ND	300	13
06/09/88	P	205			ND	ND	ND	ND	ND	ND		11
07/20/87	P	205	RRUN	C								
10/23/86	Q	2		Z	ND	ND	ND	ND	ND	ND	1220	25
10/28/86	Q	2			ND	ND	ND	ND	ND	ND	>4000	28
10/28/86	Q	2	RRUN		ND	ND	ND	ND	ND	ND		
10/28/86	Q	2	RRUN	C								
12/11/86	Q	12.5			ND	ND	ND	ND	ND	ND	>2600	25
06/08/87	Q	50			ND	ND	ND	ND	ND	ND	1070	16
06/08/87	Q	50	RRUN		ND	ND	ND	ND	ND	ND		
03/25/87	Q	75			ND	ND	ND	ND	ND	ND	1530	19
06/08/87	Q	100			ND	ND	ND	ND	ND	ND	1150	12
06/08/87	Q	100	RRUN		ND	ND	ND	ND	ND	ND		
06/08/87	Q	100	D		ND	ND	ND	ND	ND	ND	1950	13
06/08/87	Q	100	D RRUN		ND	ND	ND	ND	ND	ND		
10/28/86	R	6			ND	ND	ND	ND	ND	ND	>2000	19
10/28/86	R	6	RRUN		ND	ND	ND	ND	ND	ND		
12/11/86	R	12			ND	ND	ND	ND	ND	ND	>2700	23
03/25/87	R	62			ND	ND	ND	ND	ND	ND	4370	20
06/09/87	R	90			ND	ND	ND	ND	ND	ND	ND	13
06/09/87	R	90	RRUN		ND	ND	ND	ND	ND	ND		

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SOILS

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
MD - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:					100	100	100	100	100	100	100	
10/28/86	S	6			ND	ND	ND	ND	ND	ND	>2000	14
10/28/86	S	6	RRUN		ND	ND	ND	ND	ND	ND		
12/11/86	S	12			ND	ND	ND	ND	ND	ND	>2800	18
10/29/86	S	35			ND	ND	ND	ND	ND	ND	>2000	18
10/29/86	S	35		D	ND	ND	ND	ND	ND	ND	>2000	20
10/29/86	S	35	RRUN		ND	ND	ND	ND	ND	ND		
10/29/86	S	35	RRUN	D	ND	ND	ND	ND	ND	ND		
12/12/86	S	45			ND	ND	ND	ND	ND	ND	>3100	24
03/26/87	S	90			ND	ND	ND	ND	ND	ND	153	14
06/08/87	S	100			ND	ND	ND	ND	ND	ND	385	14
06/08/87	S	100	RRUN		ND	ND	ND	ND	ND	ND		
06/09/87	ST	1	45		ND	ND	ND	ND	ND	ND	5080	20
06/09/87	ST	1	45	RRUN	ND	ND	ND	ND	ND	ND		
06/09/87	ST	2	40		ND	ND	ND	ND	ND	ND	2090	18
06/09/87	ST	2	40	RRUN	ND	ND	ND	ND	ND	ND		
06/09/87	ST	3	35		ND	ND	ND	ND	ND	ND	863	17
06/09/87	ST	3	35	RRUN	ND	ND	ND	ND	ND	ND		
10/28/86	T	6			ND	ND	ND	ND	ND	ND	767	16
10/28/86	T	6	RRUN		ND	ND	ND	ND	ND	ND		
12/12/86	T	20			ND	ND	ND	ND	ND	ND	1290	16
12/12/86	T	20	RRUN	C								
03/25/87	T	37.5			ND	ND	ND	ND	ND	ND	647	30

002816

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SOILS

ND - Not Detected above survey level

Special Codes: F1 - FOUND & 1ST REPL. M - Analyzed for Hg only F - FOUND D - FIELD DUPLICATE
ND - Hg ONLY & FIELD DUP. 1 - 1ST REPLICATE Q - QA SAMPLE C - CONFIRMED BY GC/MS
M1 - Hg ONLY & 1st REPL. Z - UNSUITABLE SAMPLE

			(SC)	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg	WATER
Units:				ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	%
Survey Levels:				100	100	100	100	100	100	100	
06/09/87	T	62		ND	ND	ND	ND	ND	ND	248	18
06/09/87	T	62 RAUN		ND	ND	ND	ND	ND	ND		
08/14/87	T	75		ND	ND	ND	ND	ND	ND	1480	20
06/05/87	HH	100	M							ND	50
12/12/86	Z	1	Q	ND	ND	ND	ND	ND	ND	113	9.3
03/26/87	Z	2	Q	ND	ND	ND	ND	ND	ND	ND130	12
06/09/87	Z	3		ND	ND	ND	ND	ND	ND	ND	10
06/09/87	Z	3 RAUN		ND	ND	ND	ND	ND	ND		
07/20/87	Z	500	FLD BLNK	ND	ND	ND	ND	ND	ND	ND	47
07/22/87	Z	600	FLD BLNK M							ND	49
10/22/87	Z	700		ND	ND	ND	ND	ND	ND	376	73
10/23/87	Z	800		ND	ND	ND	ND	ND	ND	ND	73
12/17/87	Z	900		ND	ND	ND	ND	ND	ND	ND	52

APPENDIX C

NIAGARA RIVER SEDIMENT PROGRAM DATA

Report Date: 10/27/88

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/17/86	A	46	A		ND	150	ND	193	ND	ND	ND	108	ND	ND	ND	ND
10/17/86	A	46	A RRUN	C		ND		410				ND				
10/17/86	A	97	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	A	146			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	A	198	A	M												
06/29/87	A	206	A	M												
07/30/87	A	222	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/87	A	250	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	A	457	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	A	465	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	915	ND
10/21/86	A	465	A RRUN	C											700	
10/13/87	AB	123	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/86	B	106	A		ND	ND	ND	119	ND	ND	ND	ND	ND	ND	ND	189
10/17/86	B	106	A	D	ND	ND	ND	106	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	B	145	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/87	B	150S	B	SM												
10/26/87	B	150S	C	M												
11/06/86	B	153	A		ND	ND	ND	202	ND	128	ND	ND	ND	ND	128	993
11/06/86	B	153	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06/86	B	153	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06/86	B	153	C RRUN	M												
06/29/87	B	160	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	226

Report Date: 10/27/88

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
04/08/87	B	200	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/87	B	251	A	M												
07/30/87	B	298	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	B	298	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/87	BC	123	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/87	BC	123	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	C	75	A		1470	1550	1190	13200	19700	295000	454000	153000	147000	10100	2550000	296000
10/21/86	C	75	A RRUN	C	790	460	110	6500	2100	43000	83000	72000	54000	1700	820000	310000
10/27/87	C	85+	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+	B RRUN	M												
10/27/87	C	85+	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+S	B	S	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+S	C	S	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	A		ND	ND	ND	114	ND	ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	B		ND	ND	ND	147	ND	ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	C		ND	ND	ND	109	ND	ND	ND	ND	ND	ND	ND	ND
10/17/86	C	141	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	686
10/17/86	C	141	A	D	ND	ND	ND	106	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	C	144			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	C	144		D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/87	C	162	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
06/29/87	C	162	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	C	227	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	C	227	A	C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/86	C	240	A		ND	ND	ND	147	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	C	247	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	C	267	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	C	452	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/87	CD	123	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/86	D	92	A	D	ND	ND	ND	103	ND	ND	ND	ND	ND	ND	100	ND
10/21/86	D	92	A		ND	ND	ND	ND	ND	ND	ND	ND	176	140	120	ND
11/04/86	D	92	A		ND	ND	ND	233	ND	ND	ND	ND	ND	ND	ND	173
10/21/86	D	92	A RRUN MD													
11/04/86	D	92	B		ND	ND	ND	149	ND	ND	ND	ND	ND	ND	ND	ND
11/04/86	D	92	C		ND	ND	388	649	ND	ND	ND	ND	ND	ND	ND	ND
11/04/86	D	92	C RRUN C				ND	ND								
10/17/86	D	149	A		ND	ND	ND	152	ND	ND	ND	ND	ND	ND	ND	2570
10/17/86	D	149	A RRUN C					ND								3600
10/23/87	D	150	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	A RRUN M													
10/23/87	D	150	A RRUN MD													
10/23/87	D	150	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

T2027

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				(SC)	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/23/87	D	150	B	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	B RRUN	M												
10/23/87	D	150	B RRUN	MD												
10/23/87	D	150	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	C	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/87	D	163	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/03/86	D	196	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/03/86	D	196	B		ND	ND	ND	142	ND	ND	ND	ND	ND	ND	ND	ND
11/03/86	D	196	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	D	245			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	D	245		C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/86	D	253	A		ND	ND	ND	154	ND	ND	ND	ND	ND	ND	ND	ND
10/17/86	D	253	A RRUN	C				ND								
06/29/87	D	263	A	M												
09/11/87	D	268	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/87	D	268	A	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	DE	1	250A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	DE	1	275		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	DE	2	220A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	DE	2	220A RRUN	M												
12/10/87	DE	2	250		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	DE	3	200A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	DE	3	225		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

					[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100	100	100	100	100	100
10/26/87	E	35A				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/87	E	35B				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/87	E	35C				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/87	E	35C		RRUN	M												
10/17/86	E	129				ND	ND	ND	ND	ND	ND	ND	799	ND	ND	ND	ND
10/17/86	E	129	RRUN			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	E	164				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/86	E	528				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	1	150	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	EF	1	175			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	2	150	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	EF	2	175			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	3	150	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	EF	3	175			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/86	F	47				ND	ND	ND	ND	ND	ND	ND	ND	ND	236	ND	ND
01/27/87	F	94				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	F	120	A			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/87	F	145			M												
10/13/87	F	150	A			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/87	F	150	A		D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/87	F	150	A	RRUN	M												
10/13/87	F	150	A	RRUN	MD												

002823

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/13/87	F	150	A RRUN M													
10/13/87	F	150	A RRUN MD													
04/09/87	FG	80	-90		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/86	G	32			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/87	G	60	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/87	G	60	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/87	G	60	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06/86	G	80	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06/86	G	80	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/06/86	G	80	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/86	G	427			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	1	120	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	GH	1	150		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	2	120	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	GH	2	150		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	3	120	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	GH	3	150		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/87	GH	82	-87		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/87	GH	82	-87	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/86	M	35			ND	ND	ND	ND	ND	ND	ND	125	ND	ND	175000	22300

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/19/87	H	35	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/87	H	35	B		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/87	H	35	C		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	H	99			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	H	123	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/87	H	148		M												
10/14/87	HI	1	120	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	HI	1	150		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	HI	2	100	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	HI	2	140		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	HI	3	80A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	HI	3	80A RRUN	M												
12/10/87	HI	3	100		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/87	HI	66	-80		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/86	I	27			ND	ND	ND	ND	ND	358	196	ND	ND	233	4077000	153000
10/18/86	I	27		D	ND	ND	ND	ND	ND	ND	ND	193	ND	ND	480	297
11/07/86	I	50	A		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/07/86	I	50	B		ND	ND	ND	108	ND	ND	ND	ND	ND	ND	ND	ND
11/07/86	I	50	C		ND	ND	ND	112	ND	ND	ND	ND	ND	ND	ND	ND
10/22/86	I	405			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	IJ	1	69	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	2MCT	4MCT	12DCB	14DCB	123TCB	124TCB	1234TECB	1245TECB	pentaCB	HCB	a-HCCH	b-HCCH
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100	100	100	100	100	100
10/14/87	IJ	1	80	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	IJ	2	60	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	IJ	2	80	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/87	IJ	2	80	A D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/30/87	IJ	3	60	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/87	IJ	35	-45		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/87	J	46			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	KM	1	140	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/87	NO	1	150	D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

002826

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
10/17/86	A	46	A		ND	ND	ND	ND	ND	ND	1570
10/17/86	A	46	A RRUN	C							1870
10/17/86	A	97	A		ND	ND	ND	ND	ND	ND	341
01/27/87	A	146			ND	ND	ND	ND	ND	ND	983
04/08/87	A	198	A	M							255
06/29/87	A	206	A	M							167
07/30/87	A	222	A		ND	ND	ND	ND	ND	ND	325
09/11/87	A	250	A		ND	ND	ND	ND	ND	ND	ND
07/30/87	A	457	A		ND	ND	ND	ND	ND	ND	ND
10/21/86	A	465	A		ND	ND	ND	ND	ND	ND	110
10/21/86	A	465	A RRUN	C							
10/13/87	AB	123	A		ND	ND	ND	ND	ND	ND	130
10/17/86	B	106	A		ND	ND	ND	ND	ND	ND	976
10/17/86	B	106	A	D	ND	ND	ND	ND	ND	ND	392
01/27/87	B	145	A		ND	ND	ND	ND	ND	ND	1410
10/26/87	B	150S	B	SM							122
10/26/87	B	150S	C	M							ND
11/06/86	B	153	A		ND	ND	ND	ND	ND	ND	>7000
11/06/86	B	153	B		ND	ND	ND	ND	ND	ND	ND
11/06/86	B	153	C		ND	ND	ND	ND	ND	ND	>6000
11/06/86	B	153	C RRUN	M							ND
06/29/87	B	160	A		ND	ND	ND	ND	ND	ND	10200

002827

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
04/08/87	B	200	A		ND	ND	ND	ND	ND	ND	277
06/29/87	B	251	A	M							966
07/30/87	B	298	A		ND	ND	ND	ND	ND	ND	ND
07/30/87	B	298	A	D	ND	ND	ND	ND	ND	ND	ND
10/12/87	BC	123	A		ND	ND	ND	ND	ND	ND	125
10/12/87	BC	123	A	D	ND	ND	ND	ND	ND	ND	146
10/21/86	C	75	A		11300	6820	ND	ND	ND	6450	>5000
10/21/86	C	75	A RRUN	C	4400	1800			ND	ND	200000
10/27/87	C	85+	A		ND	ND	ND	ND	ND	ND	2140
10/27/87	C	85+	B		ND	ND	ND	ND	ND	ND	564
10/27/87	C	85+	B RRUN	M							255
10/27/87	C	85+	C		ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+S	B	S	ND	ND	ND	ND	ND	ND	ND
10/27/87	C	85+S	C	S	ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	A		ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	B		ND	ND	ND	ND	ND	ND	ND
11/05/86	C	128	C		ND	ND	ND	ND	ND	ND	ND
10/17/86	C	141	A		ND	ND	ND	ND	ND	ND	217
10/17/86	C	141	A	D	ND	ND	ND	ND	ND	ND	979
01/27/87	C	144			ND	ND	ND	ND	ND	ND	1300
01/27/87	C	144		D	ND	ND	ND	ND	ND	ND	909
06/29/87	C	162	A		ND	ND	ND	ND	ND	ND	905

002828

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
06/29/87	C	162	A	D	ND	ND	ND	ND	ND	ND	571
04/08/87	C	227	A		ND	ND	ND	ND	ND	ND	ND
04/08/87	C	227	A	C	ND	ND	ND	ND	ND	ND	
10/17/86	C	240	A		ND	ND	ND	ND	ND	ND	ND
07/30/87	C	247	A		ND	ND	ND	ND	ND	ND	ND
07/30/87	C	267	A		ND	ND	ND	ND	ND	ND	ND
10/21/86	C	452	A		ND	ND	ND	ND	ND	ND	ND
10/13/87	CD	123	A		ND	ND	ND	ND	ND	ND	158
10/21/86	D	92	A	D	ND	ND	ND	ND	ND	ND	1790
10/21/86	D	92	A		ND	ND	208	ND	ND	ND	446
11/04/86	D	92	A		ND	ND	ND	109	ND	ND	140
10/21/86	D	92	A RRUN ND								950
11/04/86	D	92	B		ND	ND	ND	ND	ND	ND	ND
11/04/86	D	92	C		ND	ND	ND	143	ND	ND	ND
11/04/86	D	92	C RRUN C					470			
10/17/86	D	149	A		ND	ND	ND	ND	ND	ND	1350
10/17/86	D	149	A RRUN C								2740
10/23/87	D	150	A		ND	ND	ND	ND	ND	ND	7810
10/23/87	D	150	A	D	ND	ND	ND	ND	ND	ND	4010
10/23/87	D	150	A RRUN M								3450
10/23/87	D	150	A RRUN MD								5800
10/23/87	D	150	B		ND	ND	ND	ND	ND	ND	513

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

ND - Not Detected above survey level

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
10/23/87	D	150	B	D	ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	B RRUN	M							146
10/23/87	D	150	B RRUN	MD							ND
10/23/87	D	150	C		ND	ND	ND	ND	ND	ND	ND
10/23/87	D	150	C	D	ND	ND	ND	ND	ND	ND	ND
06/29/87	D	163	A		ND	ND	ND	ND	ND	ND	2660
11/03/86	D	196	A		ND	ND	ND	ND	ND	ND	198
11/03/86	D	196	B		ND	ND	ND	ND	ND	ND	ND
11/03/86	D	196	C		ND	ND	ND	ND	ND	ND	ND
04/08/87	D	245			ND	ND	ND	ND	ND	ND	360
04/08/87	D	245		C	ND	ND	ND	ND	ND	ND	
10/17/86	D	253	A		ND	ND	ND	ND	ND	ND	172
10/17/86	D	253	A RRUN	C							
06/29/87	D	263	A	M							ND
09/11/87	D	268	A		ND	ND	ND	ND	ND	ND	ND
09/11/87	D	268	A	D	ND	ND	ND	ND	ND	ND	141
10/14/87	DE	1	250A		ND	ND	ND	ND	ND	ND	424
12/10/87	DE	1	275		ND	ND	ND	ND	ND	ND	ND
10/14/87	DE	2	220A		ND	ND	ND	ND	ND	ND	1250
10/14/87	DE	2	220A RRUN	M							224
12/10/87	DE	2	250		ND	ND	ND	ND	ND	ND	274
10/14/87	DE	3	200A		ND	ND	ND	ND	ND	ND	221
12/10/87	DE	3	225		ND	ND	ND	ND	ND	ND	515

002830

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level |

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100
10/26/87	E	35A				ND	ND	ND	ND	ND	ND	540
10/26/87	E	35B				ND	ND	ND	ND	ND	ND	471
10/26/87	E	35C				ND	ND	ND	ND	ND	ND	1220
10/26/87	E	35C		RRUN	M							ND
10/17/86	E	129				ND	ND	ND	ND	ND	ND	196
10/17/86	E	129	RRUN			ND	ND	ND	ND	ND	ND	
04/08/87	E	164				ND	ND	ND	ND	ND	ND	154
10/22/86	E	528				ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	1	150	A		ND	ND	ND	ND	ND	ND	381
12/10/87	EF	1	175			ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	2	150	A		ND	ND	ND	ND	ND	ND	370
12/10/87	EF	2	175			ND	ND	ND	ND	ND	ND	ND
10/14/87	EF	3	150	A		ND	ND	ND	ND	ND	ND	242
12/10/87	EF	3	175			ND	ND	ND	ND	ND	ND	221
10/18/86	F	47				ND	ND	ND	ND	367	ND	108
01/27/87	F	94				ND	ND	ND	ND	ND	ND	449
07/30/87	F	120	A			ND	ND	ND	ND	ND	ND	286
04/08/87	F	145			M							ND
10/13/87	F	150	A			ND	ND	ND	ND	ND	ND	ND
10/13/87	F	150	A		D	ND	ND	ND	ND	ND	ND	128
10/13/87	F	150	A	RRUN	M							145
10/13/87	F	150	A	RRUN	MD							ND

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

102ND STREET
SEDIMENTS

| ND - Not Detected above survey level

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

					[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:						ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:						100	100	100	100	100	100	100
10/13/87	F	150	A	RRUN M								176
10/13/87	F	150	A	RRUN MD								ND
04/09/87	FG	80	-90			ND	ND	ND	ND	ND	ND	138
10/18/86	G	32				ND	ND	ND	ND	ND	ND	195
10/20/87	G	60	A			ND	ND	ND	ND	ND	ND	307
10/20/87	G	60	B			ND	ND	ND	ND	ND	ND	154
10/20/87	G	60	C			ND	ND	ND	ND	ND	ND	ND
11/06/86	G	80	A			ND	ND	ND	ND	ND	ND	151
11/06/86	G	80	B			ND	ND	ND	ND	ND	ND	ND
11/06/86	G	80	C			ND	ND	ND	ND	ND	ND	1590
10/22/86	G	427				ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	1	120		A	ND	ND	ND	ND	ND	ND	289
12/10/87	GH	1	150			ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	2	120		A	ND	ND	ND	ND	ND	ND	339
12/10/87	GH	2	150			ND	ND	ND	ND	ND	ND	ND
10/14/87	GH	3	120		A	ND	ND	ND	ND	ND	ND	264
12/10/87	GH	3	150			ND	ND	ND	ND	ND	ND	ND
04/09/87	GH	82	-87			ND	ND	ND	ND	ND	ND	214
04/09/87	GH	82	-87		D	ND	ND	ND	ND	ND	ND	112
10/18/86	H	35				210	843	ND	ND	ND	ND	220

002832

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
10/19/87	H	35	A		ND	ND	ND	ND	ND	ND	448
10/19/87	H	35	B		ND	ND	ND	ND	ND	ND	ND
10/19/87	H	35	C		ND	ND	ND	ND	ND	ND	ND
01/27/87	H	99			ND	ND	ND	ND	ND	ND	300
07/30/87	H	123	A		ND	ND	ND	ND	ND	ND	140
04/09/87	H	148		M							110
10/14/87	HI	1	120	A	ND	ND	ND	ND	ND	ND	223
12/10/87	HI	1	150		ND	ND	ND	ND	ND	ND	ND
10/14/87	HI	2	100	A	ND	ND	ND	ND	ND	ND	564
12/10/87	HI	2	140		ND	ND	ND	ND	ND	ND	ND
10/14/87	HI	3	80A		ND	ND	ND	ND	ND	ND	573
10/14/87	HI	3	80A RRUN	M							120
12/10/87	HI	3	100		ND	ND	ND	ND	ND	ND	ND
04/09/87	HI	66	-80		ND	ND	ND	ND	ND	ND	228
10/18/86	I	27			9790	55400	137	ND	ND	4300	391
10/18/86	I	27		D	ND	ND	ND	ND	ND	ND	466
11/07/86	I	50	A		ND	ND	ND	ND	ND	ND	ND
11/07/86	I	50	B		ND	ND	ND	ND	ND	ND	ND
11/07/86	I	50	C		ND	ND	ND	ND	ND	ND	ND
10/22/86	I	405			ND	ND	ND	ND	ND	ND	ND
07/30/87	IJ	1	69	A	ND	ND	ND	ND	ND	ND	392

002833

OCCIDENTAL CHEMICAL CORPORATION & OLIN CHEMICALS GROUP
ENVIRONMENTAL DATABASE SYSTEM

| ND - Not Detected above survey level |

102ND STREET
SEDIMENTS

Special Codes: C - CONFIRMED BY GC/MS M - Analyzed for Hg only D - FIELD DUPLICATE SM - SHORT CORE, Hg ONLY
S - SHORT CORE MD - Hg ONLY & FIELD DUP.

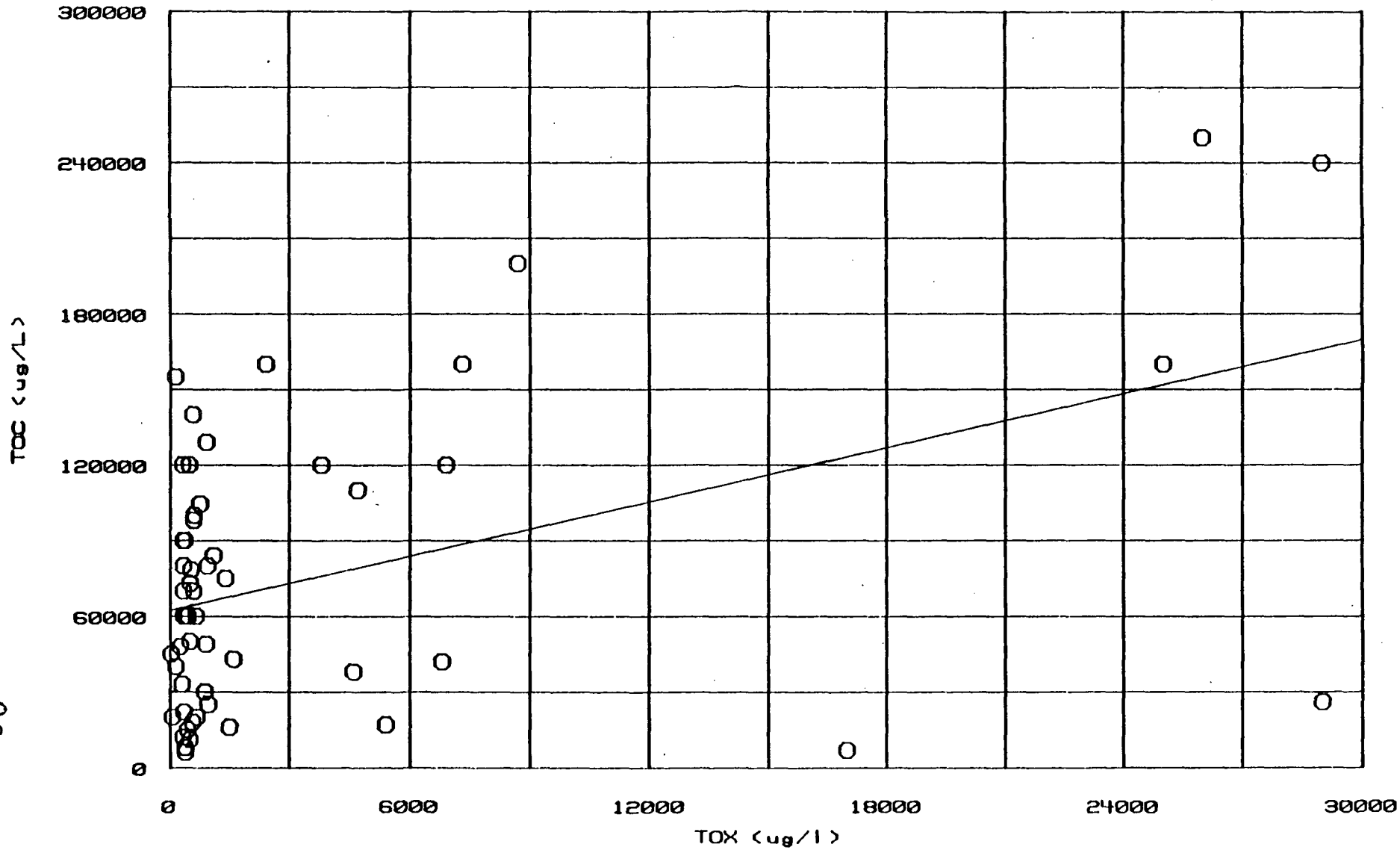
				[SC]	d-HCCH	g-HCCH	24DCP	25DCP	245TCP	246TCP	Hg
Units:					ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Survey Levels:					100	100	100	100	100	100	100
10/14/87	IJ	1	80	A	ND	ND	ND	ND	ND	ND	216
07/30/87	IJ	2	60	A	ND	ND	ND	ND	ND	ND	218
10/14/87	IJ	2	80	A	ND	ND	ND	ND	ND	ND	138
10/14/87	IJ	2	80	A D	ND	ND	ND	ND	ND	ND	173
07/30/87	IJ	3	60	A	ND	ND	ND	ND	ND	ND	ND
04/09/87	IJ	35	-45		ND	ND	ND	ND	ND	ND	922
01/27/87	J	46			ND	ND	ND	ND	ND	ND	173
12/10/87	KM	1	140	D	ND	ND	ND	ND	ND	ND	ND
12/10/87	NO	1	150	D	ND	ND	ND	ND	ND	ND	ND

002834

APPENDIX D

REGRESSION ANALYSES

ON-SITE FILL WELLS
LINEAR REGRESSION: TOC VS TOX



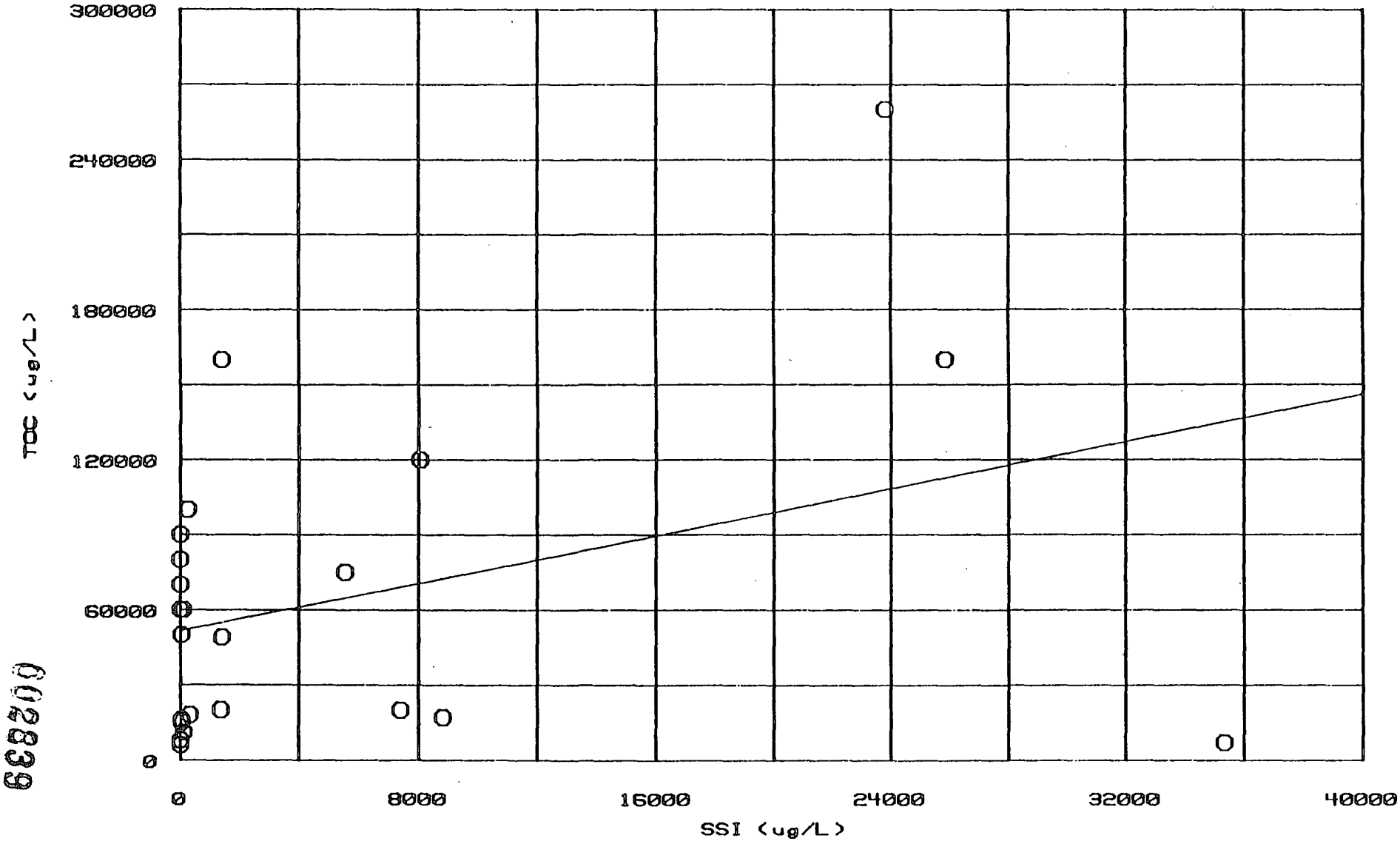
002836

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
toxtoc.fil

mean of x:	3526.
mean of y:	0.7505E+05
standard deviation of x:	7130.
standard deviation of y:	0.5664E+05
varience of x:	0.5084E+08
varience of y:	0.3208E+10
slope of linear regression:	3.581
y-intercept of linear regression:	0.6243E+05
correlation coefficient:	0.4508
standard error of estimate of Y on X	0.5056E+05
standard error of estimate of X on Y	0.1412E+05

TOXTOC.FIL
680,20000
880,30000
6900,120000
7300,160000
1400,75000
6800,42000
3800,120000
4700,110000
4600,38000
5400,17000
330,12000
580,140000
1600,43000
950,80000
1100,84000
2400,160000
260,48000
910,49000
920,129000
765,104500
50,20000
460,60000
380,90000
600,70000
670,60000
530,78500
380,8000
330,90000
140,40000
340,80000
340,60000
320,120000
390,6000
29000,26000
8700,200000
25000,160000
29000,240000
26000,250000
17000,7000
350,22000
430,60000
500,50000
340,70000
1500,16000
130,155000
390,60000
610,100000
590,98000
510,73000
570,18000
500,11000
25,45000
410,60000
970,25000
300,33000
450,15000
490,120000

ON-SITE FILL WELLS
LINEAR REGRESSION: TOC VS TOTAL SSI



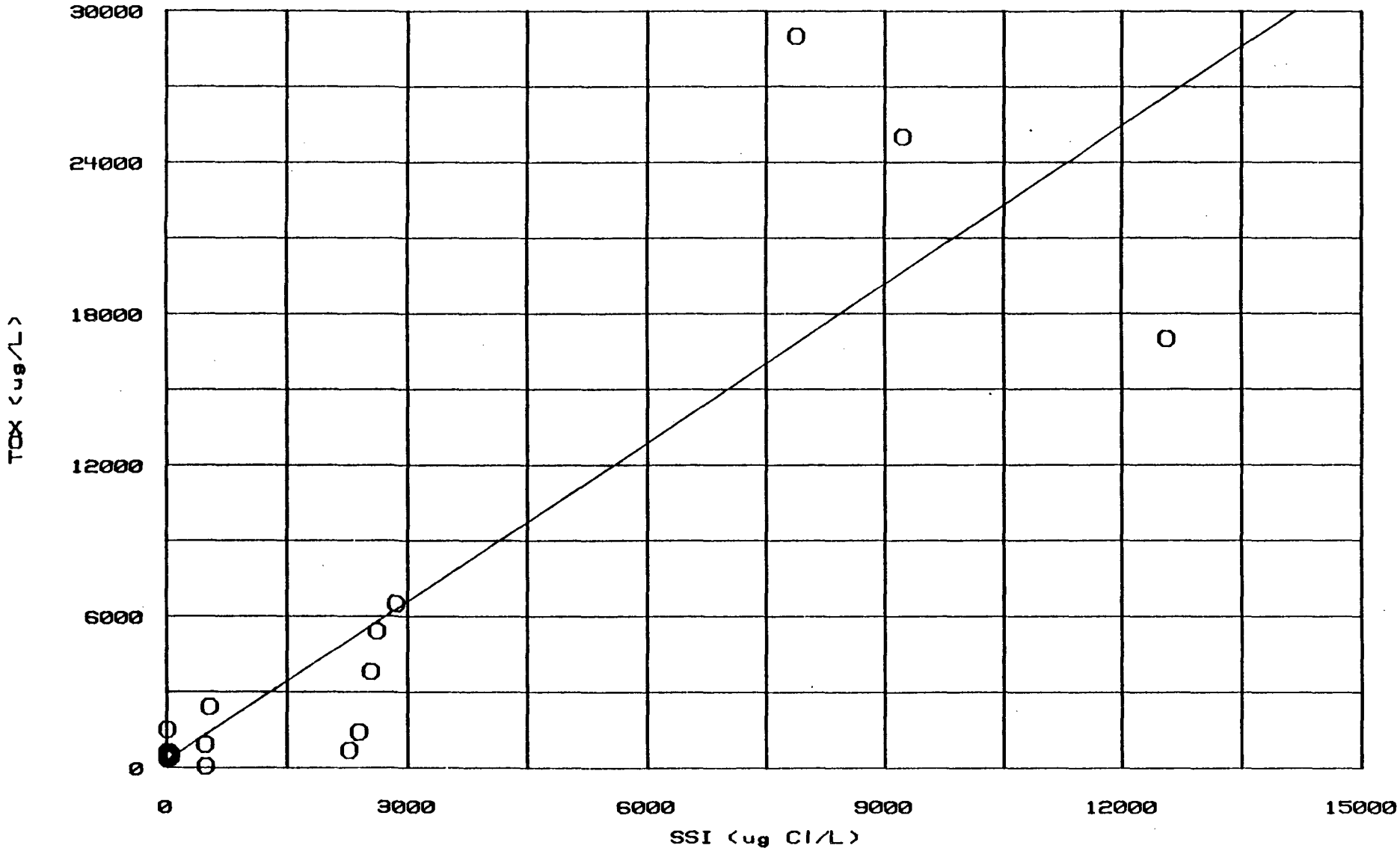
002839

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
SSITOC.FIL

mean of x:	5213.
mean of y:	0.6400E+05
standard deviation of x:	9539.
standard deviation of y:	0.6195E+05
varience of x:	0.9099E+08
varience of y:	0.3838E+10
slope of linear regression:	2.363
y-intercept of linear regression:	0.5168E+05
correlation coefficient:	0.3638
standard error of estimate of Y on X	0.5771E+05
standard error of estimate of X on Y	0.2442E+05

SSITOC.FIL
7397,20000
5546,75000
8049,120000
8807,17000
1410,160000
1409,49000
1372,20000
0,60000
0,70000
0,8000
0,90000
0,80000
0,6000
23800,260000
25850,160000
35343,7000
28,50000
25,16000
298,100000
309,18000
116,11000
96,60000
40,15000

ON-SITE FILL WELLS
LINEAR REGRESSION: TOX VS TOTAL SSI



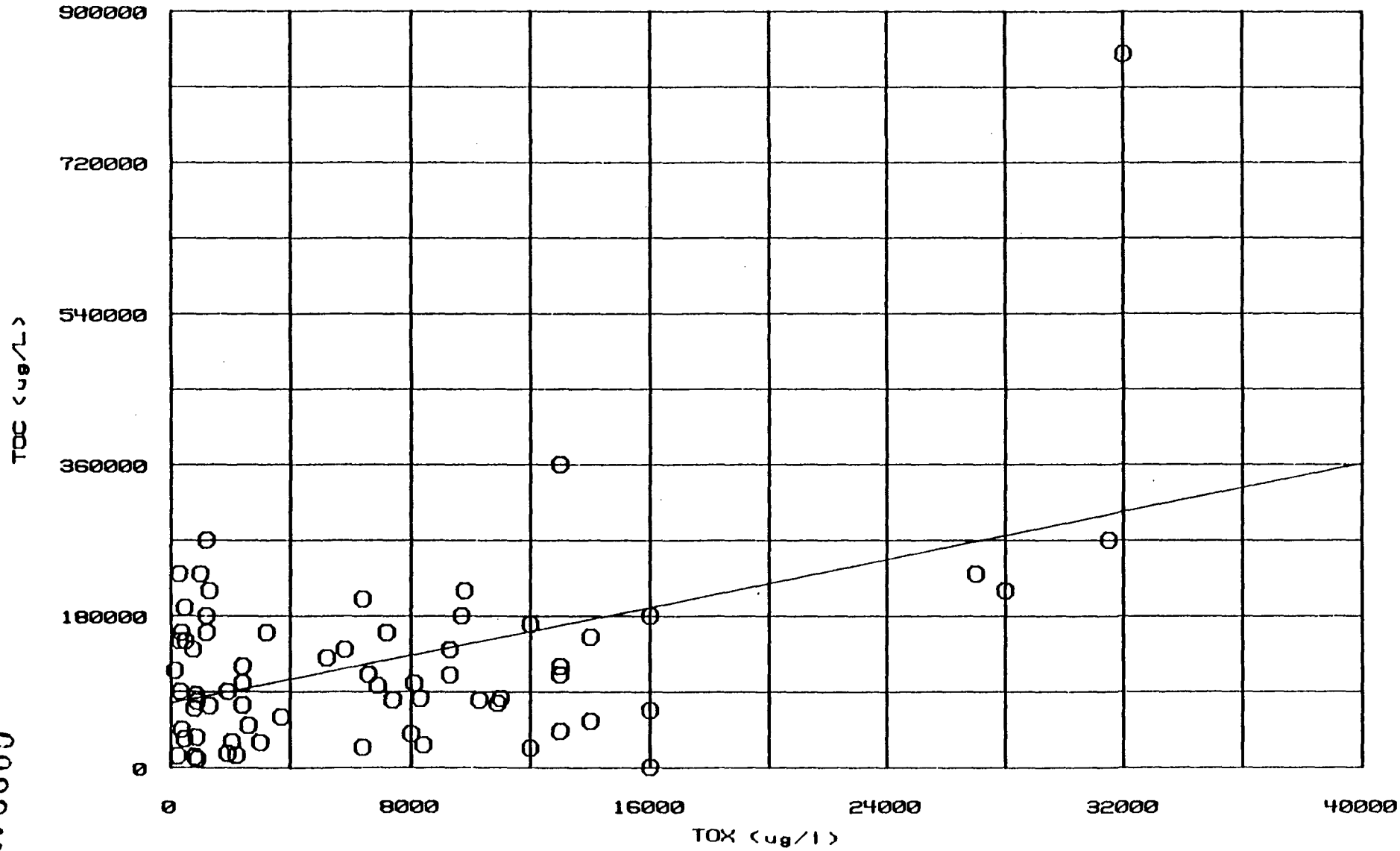
002842

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
SSITOX.FIL

mean of x:	1836.
mean of y:	4132.
standard deviation of x:	3273.
standard deviation of y:	7759.
varience of x:	0.1071E+08
varience of y:	0.6020E+08
slope of linear regression:	2.099
y-intercept of linear regression:	280.3
correlation coefficient:	0.8853
standard error of estimate of Y on X	3608.
standard error of estimate of X on Y	1719.

SSITOX.FIL
2267,680
2859,6500
2391,1400
2541,3800
2615,5400
536,2400
481,910
488,50
0,460
0,600
0,380
0,330
0,340
0,390
7875,29000
9227,25000
12560,17000
8,500
6,1500
32,610
44,570
60,500
50,410
14,450

ON-SITE ALLUVIUM WELLS
LINEAR REGRESSION: TOC VS TOX



002845

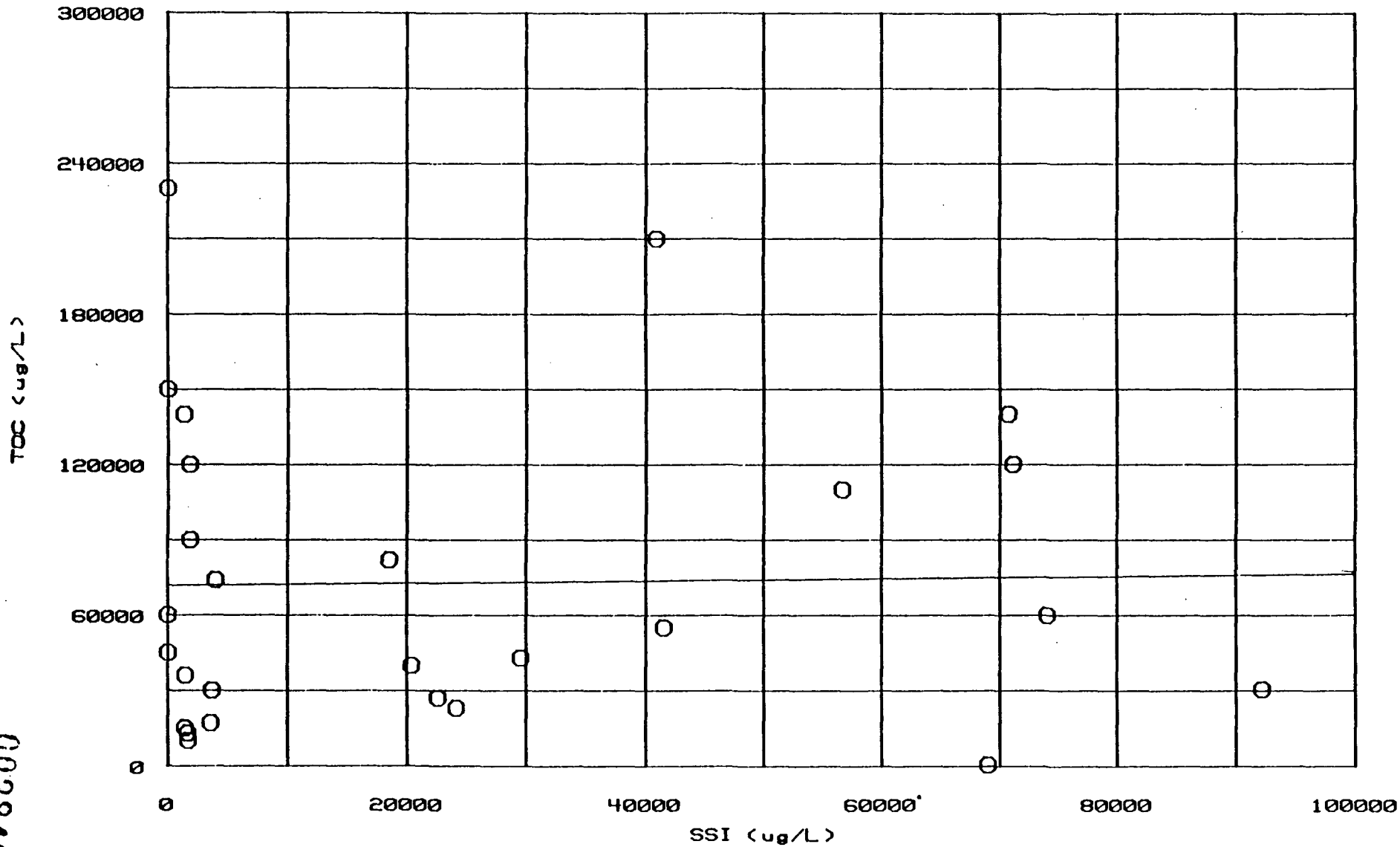
STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
TOXTOC.ALL

mean of x:	6748.
mean of y:	0.1242E+06
standard deviation of x:	7443.
standard deviation of y:	0.1151E+06
varience of x:	0.5540E+08
varience of y:	0.1325E+11
slope of linear regression:	7.127
y-intercept of linear regression:	0.7615E+05
correlation coefficient:	0.4608
standard error of estimate of Y on X	0.1022E+06
standard error of estimate of X on Y	0.1433E+05

TOXTOC.ALL

3000,30000
460,34000
2400,74000
2400,100000
1300,73000
1900,17000
870,36000
230,14000
900,10000
880,78000
780,70000
820,13000
740,140000
8000,40000
10900,76000
11000,82000
9700,180000
9300,110000
8400,27000
8300,82000
14000,55000
16000,180000
16000,68000
2050,30500
7200,160000
7400,80000
5800,140000
1200,160000
6900,97000
6400,24000
280,230000
130,115000
300,150000
350,160000
280,230000
365,45000
10300,80000
5200,130000
9300,140000
12000,170000
9800,210000
16000,500
1900,90000
310,90000
2400,120000
2400,74000
2600,50000
2200,15000
13000,120000
13000,110000
8100,100000
14000,155000
500,150000
12000,23000
32000,850000
6400,200000
28000,210000
31500,270000
27000,230000
13000,43000
1200,270000
470,190000
1300,210000
1000,230000
850,86000
3700,60000
3200,160000
13000,360000
6600,110000
1200,180000

ON-SITE ALLUVIUM WELLS
LINEAR REGRESSION: TOC VS TOTAL SSI



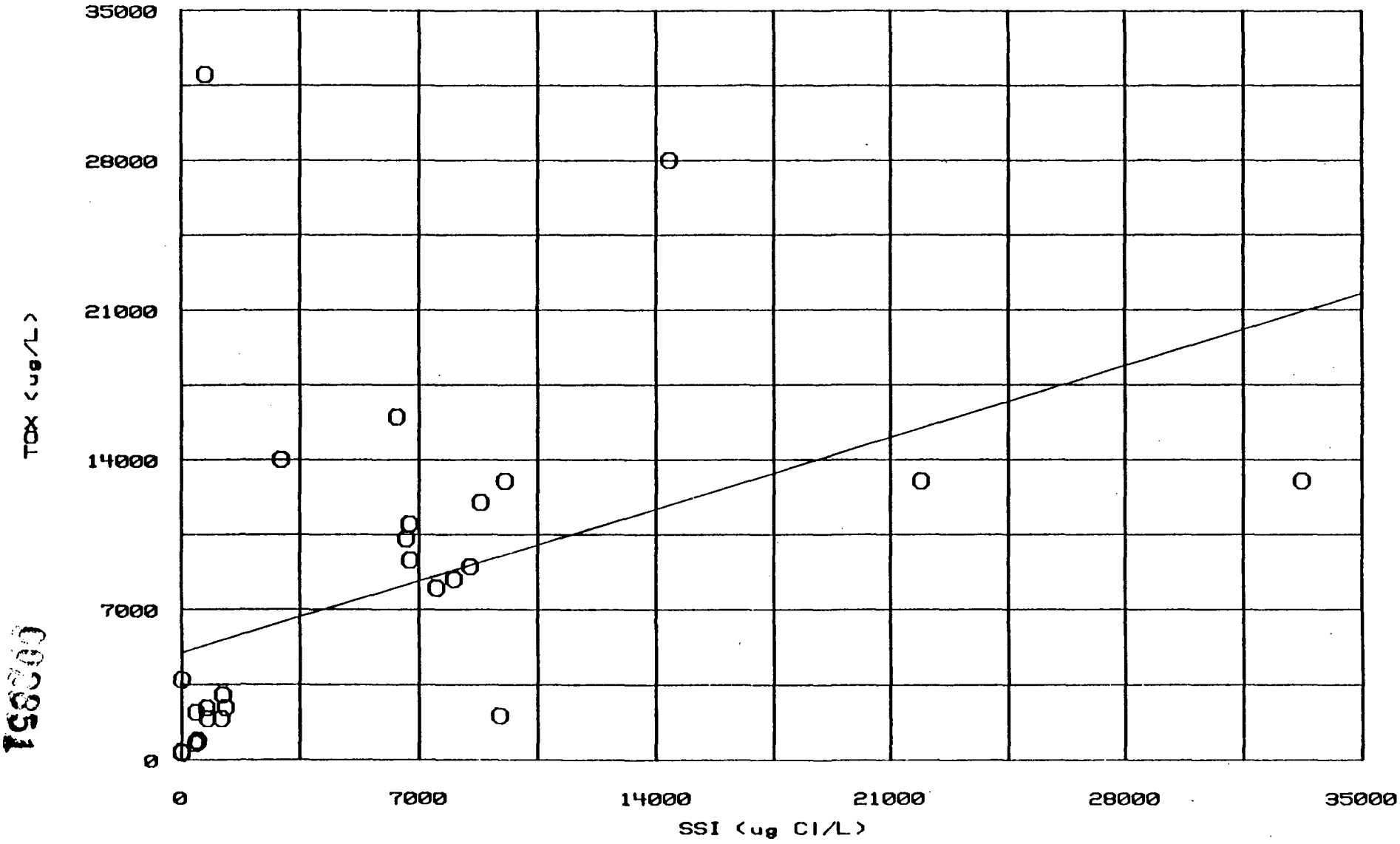
002848

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
SSITOC.ALL

mean of x:	0.2422E+05
mean of y:	0.7300E+05
standard deviation of x:	0.2877E+05
standard deviation of y:	0.5990E+05
varience of x:	0.8276E+09
varience of y:	0.3588E+10
slope of linear regression:	0.4573E-01
y-intercept of linear regression:	0.7189E+05
correlation coefficient:	0.2196E-01
standard error of estimate of Y on X	0.5989E+05
standard error of estimate of X on Y	0.1309E+07

```
SSITOC.ALL
3729,30000
4042,74000
3619,17000
1468,36000
1696,10000
1667,13000
1349,140000
20389,40000
18518,82000
22575,27000
41532,55000
92163,30500
0,230000
0,150000
0,45000
74007,60000
70726,140000
68985,500
1892,90000
1843,120000
1423,15000
56670,110000
71121,120000
24125,23000
40893,210000
29540,43000
0,60000
```

ON-SITE ALLUVIUM WELLS
LINEAR REGRESSION: TOX VS TOTAL SSI



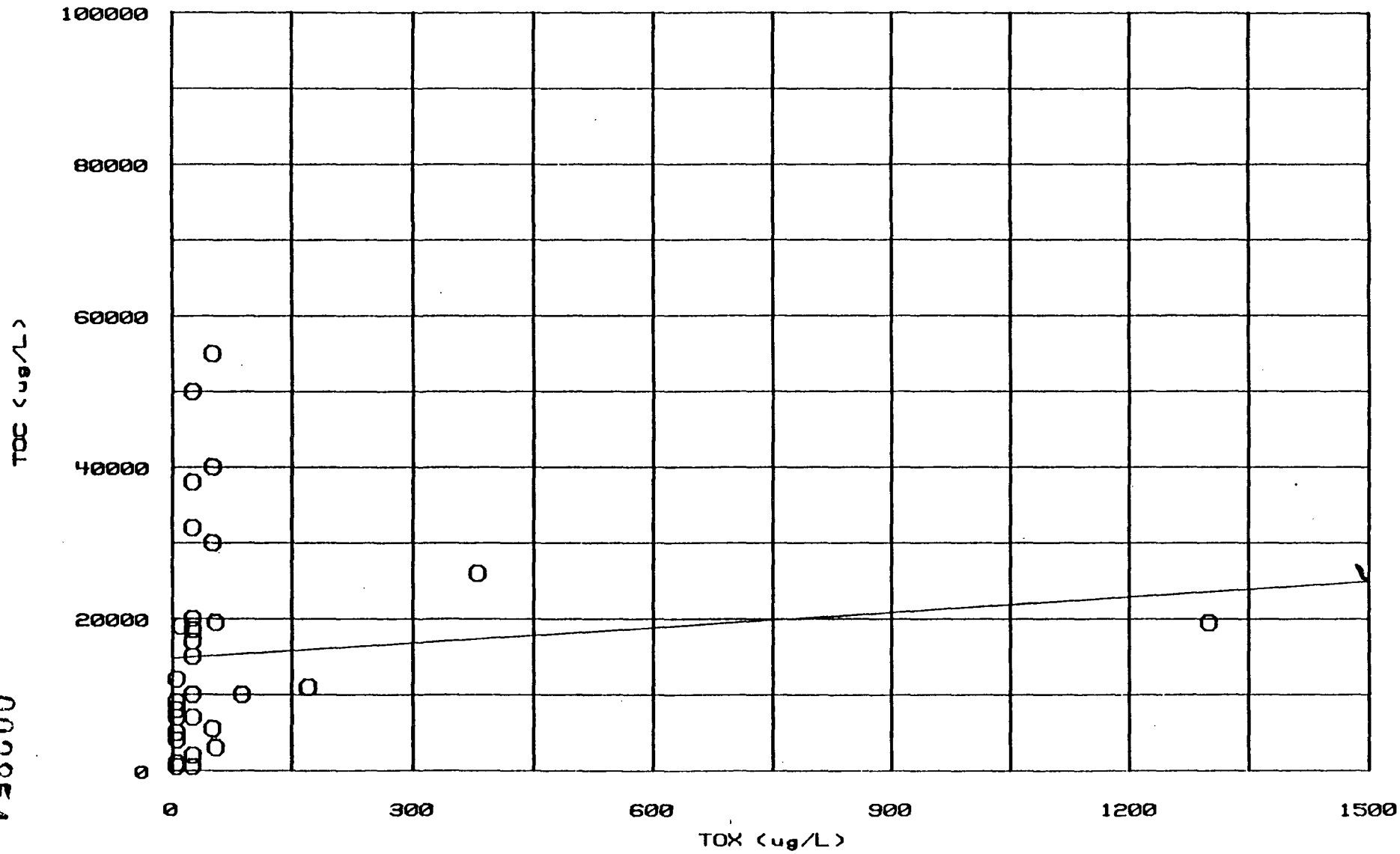
15800

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
SSITOX.ALL

mean of x:	5478.
mean of y:	7615.
standard deviation of x:	7337.
standard deviation of y:	7905.
varience of x:	0.5384E+08
varience of y:	0.6249E+08
slope of linear regression:	0.4790
y-intercept of linear regression:	4991.
correlation coefficient:	0.4446
standard error of estimate of Y on X	7081.
standard error of estimate of X on Y	0.1478E+05

SSITOX.ALL
1230,3000
1312,2400
1185,1900
441,870
466,900
494,820
404,740
7511,8000
6720,11000
8035,8400
8521,9000
2945,14000
9387,2050
0,280
0,300
0,365
6613,10300
6740,9300
6332,16000
768,1900
743,2400
419,2200
21903,13000
33222,13000
8832,12000
706,32000
14383,28000
9538,13000
0,3700

ON-SITE BEDROCK WELLS
LINEAR REGRESSION: TOC VS TOX



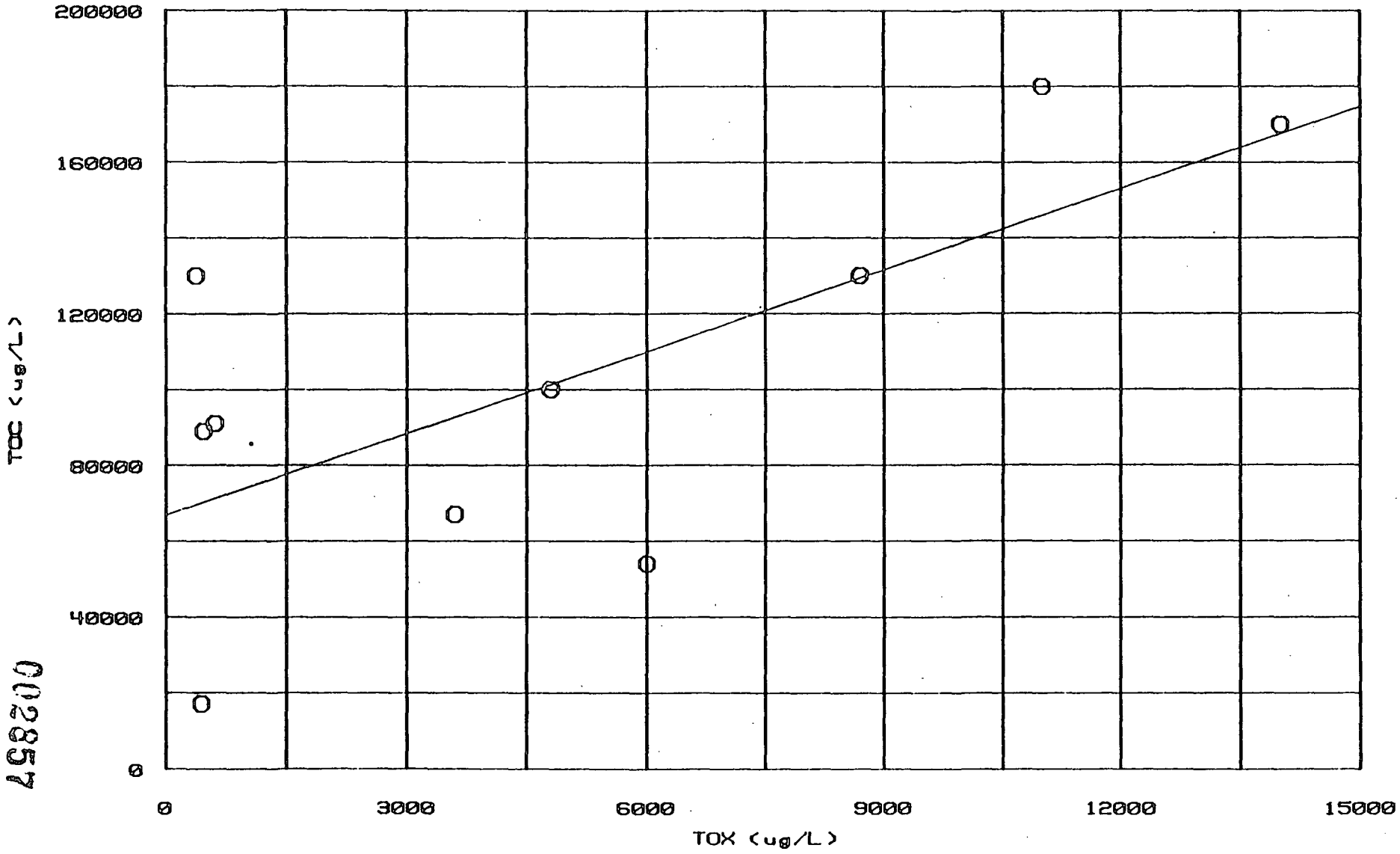
002854

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
TOXTOC.BED

mean of x:	79.55
mean of y:	0.1533E+05
standard deviation of x:	226.1
standard deviation of y:	0.1423E+05
varience of x:	0.5110E+05
varience of y:	0.2025E+09
slope of linear regression:	6.759
y-intercept of linear regression:	0.1480E+05
correlation coefficient:	0.1074
standard error of estimate of Y on X	0.1415E+05
standard error of estimate of X on Y	2093.

TOXTOC.BED
1300,19500
170,11000
25,20000
25,15000
25,38000
54,3000
25,7000
5,9000
25,500
380,26000
25,32000
5,500
25,500
25,10000
25,50000
54,19500
25,18500
87,10000
5,12000
25,2000
5,1000
25,17000
25,10000
5,8000
50,40000
50,5500
5,5000
50,30000
50,55000
5,500
10,19000
5,4000
5,7000

ON-SITE TILL WELLS
LINEAR REGRESSION: TOC VS TOX



002857

STATISTICS FOR CURRENT DATA FILES
ANALYSIS TYPE: LINEAR
TOXTOC.TIL

mean of x:	5000.
mean of y:	0.1028E+06
standard deviation of x:	4644.
standard deviation of y:	0.4829E+05
varience of x:	0.2156E+08
varience of y:	0.2332E+10
slope of linear regression:	7.190
y-intercept of linear regression:	0.6685E+05
correlation coefficient:	0.6915
standard error of estimate of Y on X	0.3488E+05
standard error of estimate of X on Y	4851.

TOXTOC.TIL
14000,170000
4800,100000
11000,180000
8700,130000
6000,54000
3600,67000
380,130000
470,89000
610,91000
440,17000

APPENDIX E

HISTORICAL UPSTREAM

NIAGARA RIVER SEDIMENT DATA

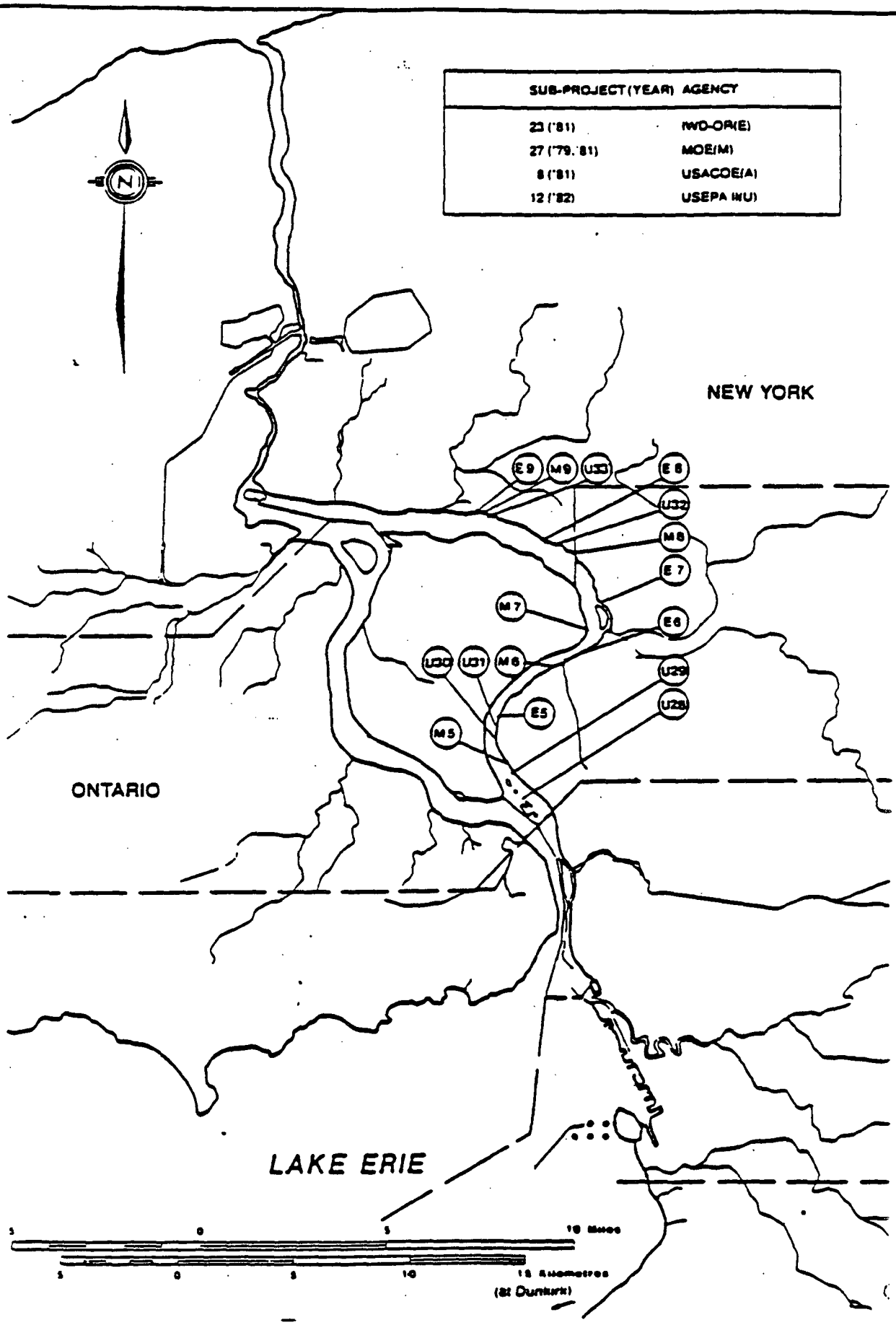


figure M-1

UPSTREAM SEDIMENT SAMPLING STATIONS

102nd St. Landfill

CRA

1431-1/02/85-9-D-3

TABLE M-1

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1979 (ppb)

Parameter	Detection Limit	Upstream 102nd Street					At 102nd Street
		M - 5	M - 6	M - 7	M - 8	Average	M - 9
Arsenic	300	2500	14000	5400	7600	7400	2400
Cadmium	40	< 400	500	< 400	400	330	800*
Chromium	3000	7000	79000	5800	28000	30000	19000
Copper	1000	9500	110000	10000	32000	40000	12000
Lead	3000	7000	200000	5000	48000	65000	13000
Mercury	10	60	670	< 10	650	350	40
Nickel	3000	6000	38000	10000	10000	16000	13000
Zinc	1000	42000	460000	50000	330000	221000	120000
PCB's, Total	10	50	380	220	340	248	810*
Aldrin	1	ND	ND	ND	ND	ND	ND
Dieldrin	1	ND	2	ND	ND	1	3*
alpha-BHC	1	ND	ND	ND	ND	ND	ND
beta-BHC	1	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	1	ND	ND	ND	ND	ND	ND
gamma-Chlordane	1	ND	5	ND	9	4	3
alpha-Chlordane	1	ND	1	ND	ND	1	1
o,p-DDT	5	ND	ND	ND	ND	ND	ND
o,p'-DDT	5	ND	ND	ND	ND	ND	ND
p,p'-DDE	1	3	6	3	5	4	3
p,p'-DDD (TDE)	5	ND	ND	ND	9	4	5*
Endrin	1	ND	ND	ND	ND	ND	ND
alpha-Endosulfan	1	ND	ND	ND	ND	ND	ND
beta-Endosulfan	1	ND	ND	ND	ND	ND	ND
Heptachlor	1	ND	ND	ND	ND	ND	ND

continued...

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TABLE M-1

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1979 (ppb)

Parameter	Detection Limit	Upstream 102nd Street					At 102nd Street
		M - 5	M - 6	M - 7	M - 8	Average	M - 9
Heptachlor epoxide	1	ND	ND	ND	ND	ND	ND
Mirex	5	ND	18	8	4	8	10*
Hexachlorobenzene	1	ND	ND	ND	ND	ND	ND

Notes: Data Source: Sub-project 27a, Niagara River Sediment Survey (1979), Ontario Ministry of the Environment (MOE).

ND = not detected at detection limit indicated.

Concentration are in ppb (ug/kg, dry weight).

* the concentration at the site exceeds the concentration upstream.

To calculate the average concentration, ND = 1/2 the detection limit or
ND = 0 (if detection limit not known)

002863

TABLE M-2

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1981 (ppb)

Parameter	Detection Limit	Upstream 102nd Street					At 102nd Street
		E - 5	E - 6	E - 7	E - 8	Average	E - 9
Arsenic		20000	7000	5000	5000	9000	3000
Cadmium (extr.)	100	1100	3200	790	200	1300	380
Chromium (extr.)		34000	49000	14000	4000	25000	4000
Cobalt (extr.)		4000	2000	2000	3000	3000	1000
Copper (extr.)		88000	58000	25000	9000	45000	6000
Lead (extr.)		88000	105000	72000	10000	69000	12000
Mercury		1440	290	160	30	480	420
Nickel (extr.)		20000	11000	9000	6000	12000	4000
Selenium	100	220	270	200	< 100	190	100
Zinc (extr.)		299000	239000	197000	6000	185000	4000
PCB's, Total	10	230	530	17900	50	4678	120
Aldrin	1	ND	ND	ND	ND	ND	ND
Dieldrin	1	ND	ND	10	ND	3	ND
alpha-BHC	1	ND	2	15	ND	5	ND
gamma-BHC (Lindane)	1	ND	ND	ND	ND	ND	ND
alpha-Chlordane	1	ND	ND	ND	ND	ND	ND
gamma-Chlordane	1	ND	ND	20	ND	5	ND
R,p-DDT	1	ND	ND	ND	ND	ND	ND
p,p'-DDT	1	ND	ND	ND	ND	ND	ND
p,p'-DDE	1	ND	11	280	1	73	ND
p,p'-DDD (TDE)	1	7	54	7	ND	17	ND
Endrin	1	ND	50	15	ND	17	ND
alpha-Endosulfan	1	3	ND	8	ND	3	ND
beta-Endosulfan	1	7	ND	ND	ND	2	ND

continued....

002864

TABLE M-2

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1981 (ppb)

Parameter	Detection Limit	Upstream 102nd Street					At 102nd Street
		E - 5	E - 6	E - 7	E - 8	Average	E - 9
Heptachlor	1	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	1	ND	19	ND	ND	5	ND
Methoxychlor	1	14	103	8	ND	31	ND
Mirex	1	ND	ND	ND	ND	ND	ND
Dichlorobenzenes	1	68	60	27	45	50	52*
Trichlorobenzenes	1	8	2	ND	ND	3	3*
Tetrachlorobenzenes	1	ND	ND	ND	ND	ND	2*
Pentachlorobenzene	1	13	2	ND	ND	4	1
Hexachlorobenzene	1	12	3	88	ND	26	1

Notes: Data Source: Sub-project 23, Toxic Contaminants Sources Survey, Inland Waters Directorate, Ontario Region, Environment Canada.

ND = not detected at detection limit indicated.

Concentrations are in ppb (ug/kg, dry weight). All inorganic values are total except those designated "(extr.)" for extractable.

* the concentration at the site exceeds the concentration upstream.

To calculate the average concentration, ND = 1/2 the detection limit or
ND = 0 (if detection limit not known).

002865

TABLE M-3

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1982 (ppb)

Parameter	Detection Limit	Upstream 102nd Street						At 102nd Street
		U - 28	U - 29	U - 30	U - 31	U - 32	Average	U - 33
Fluorotrichloromethane		3.4	1.9	1.9	1.9	ND	1.8	ND
Toluene		ND	ND	ND	ND	ND	ND	ND
Fluoranthene		ND	650	550	ND	8	242	ND
Bis(2-ethylhexyl) phthalate		ND	ND	ND	300	ND	60	300*
Benzo (a) anthracene		ND	300	300	ND	ND	120	ND
Chrysene		ND	650	300	ND	ND	190	ND
Phenanthrene		ND	450	600	ND	ND	210	ND
Pyrene		ND	700	420	ND	8	226	ND
Di-n-butyl phthalate		300	ND	ND	ND	ND	60	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND
PCB-1248		ND	16.9	88.8	29.6	ND	27.1	ND
PCB-1260		ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene		ND	600	ND	ND	15	123	ND
Benzo(b) fluoranthene		ND	600	ND	ND	ND	120	ND
Styrene		ND	ND	ND	ND	ND	ND	ND
O-xylene		ND	ND	ND	ND	ND	ND	ND
N-nitrosodiphenylamine		ND	ND	ND	ND	ND	ND	ND
Naphthalene		ND	1500	300	ND	ND	360	ND
Benzo(k) fluoranthene		ND	600	ND	ND	ND	120	ND
Dibenzo(a,h) anthracene		ND	600	ND	ND	ND	120	ND
Silver	1000	ND	ND	ND	ND	ND	ND	ND
Aluminum	20000	220000	530000	280000	1400000	6800000	622000	310000
Boron	10000	ND	ND	ND	ND	ND	ND	ND

continued....

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TABLE M-3

CONTAMINANT CONCENTRATIONS IN BOTTOM SEDIMENTS
OF THE NIAGARA RIVER, 1982 (ppb)

Parameter	Detection Limit	Upstream 102nd Street						At 102nd Street
		U - 28	U - 29	U - 30	U - 31	U - 32	Average	U - 33
Barium	10000	ND	ND	ND	24000	19000	12000	ND
Beryllium	500	ND	ND	ND	ND	ND	ND	ND
Chromium	1000	ND	16000	1600	6000	5600	5900	1600
Cobalt	5000	ND	ND	ND	ND	ND	ND	ND
Copper	5000	ND	6100	7200	16000	10000	8400	ND
Iron	5000	940000	2400000	1400000	7200000	3100000	3008000	1500000
Manganese	1000	30000	56000	120000	430000	85000	144000	31000
Nickel	4000	ND	ND	7100	6900	6000	4800	ND
Vanadium	20000	ND	ND	ND	ND	ND	ND	ND
Zinc	1000	ND	47000	40000	160000	170000	84000	75000
Arsenic	1000	1500	2200	ND	ND	ND	1000	ND
Cadmium	100	600	1000	500	1100	1900	1000	600
Mercruy	20	ND	ND	ND	ND	ND	ND	ND
Lead	500	6300	16000	15000	30000	60000	25000	12000
Antimony	2000	ND	ND	ND	ND	ND	ND	ND
Selenium	200	ND	ND	ND	ND	ND	ND	ND
Tin	2000	ND	ND	ND	ND	ND	ND	ND
Thallium	1000	ND	ND	ND	ND	ND	ND	ND

Notes: Data Source: Sub-project 12, Open Lake (Erie) Dredge Spoil Site Sampling, U. S. Environmental Protection Agency, Region II New York, N.Y.

ND = not detected at detection limit indicated.

Concentrations are in ppb (ug/kg, dry weight).

* the concentration at the site exceeds the concentration upstream.

To calculate the average concentration, ND = 1/2 the detection limit or
ND = 0 (if detection limit not known)

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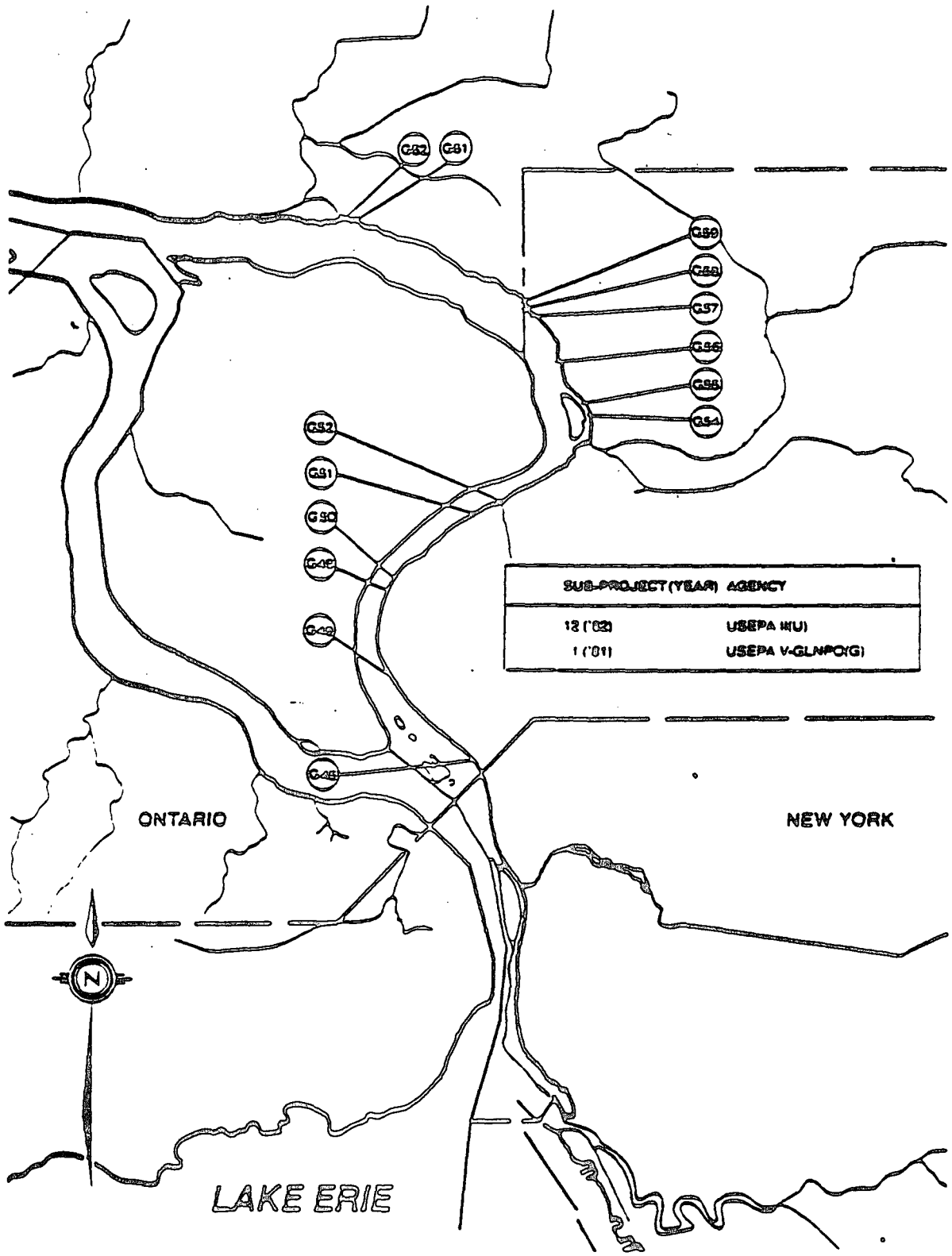

figure N-1

B.A.S.S. SEDIMENT SAMPLING LOCATIONS
102nd St. Landfill

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TABLE N-1

B.A.S.S. ANALYTICAL RESULTS
NIAGARA RIVER

CONCENTRATIONS OF PRIORITY POLLUTANTS IN ppm

Parameter	Upstream Locations												Site Locations		
	G45	G48	G49	G50	G51	G52	G54	G55	G56	G57	G58	G59	G61	G61A	G62
(Volatile Organics)															
Benzene								0.01							
Chlorobenzene				0.003			*	1.00	0.011	0.004			0.02	0.014	
Chloroform		0.012		1.19								0.038		0.041	
Dibromochloromethane				*								0.011			
1,1-Dichloroethane								1.0*	0.07*	0.05*	0.36*				
1,2-Dichloroethane												0.014			
1,2-Dichloropropane												0.011			
Ethylbenzene				0.002				0.124							
Methylene Chloride		1.37	0.19	0.146	0.007		0.004		0.056	1.06	1.37		0.191	0.195	0.091
1,1,2,2-Tetrachloroethane				0.005										0.002	
Tetrachloroethylene				0.004						0.005	0.012			0.003	
1,1,1-Trichloroethane				*								0.004			
1,1,2-Trichloroethane												0.008			
(Semi-Volatiles)															
Acenaphthene	0.6	1.0													
Chrysene	59.5	9.7	7.1	1.4								27.0			
1,2-Dichlorobenzene		0.2										1.7			
1,3-Dichlorobenzene												0.9			
1,4-Dichlorobenzene												1.4		0.8	
Bis(2-Ethylhexyl) Phthalate				1.9								4.2		0.6	
Fluoranthene	8.5	3.4	3.7	14.1								7.5			
Fluorene	-	0.6										0.6			
Naphthalene	0.3	1.2	0.8	3.1								3.1		0.8	
Phenanthrene	5.6	0.8	1.4	1.6								1.8			
Pyrene	6.4	3.5	3.3	10.2	16.9	0.5						5.8			
1,2,4-Trichlorobenzene												1.1			

continued....

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TABLE N-1

B.A.S.S. ANALYTICAL RESULTS
NIAGARA RIVER

CONCENTRATIONS OF PRIORITY POLLUTANTS IN ppm

Parameter	Upstream Locations												Site Locations		
	G45	G48	G49	G50	G51	G52	G54	G55	G56	G57	G58	G59	G61	G61A	G62
(Pesticides & PCBs)															
Aldrin	<0.002	<0.001	<0.002	0.001			<0.002	<0.002				<0.001	<0.002	<0.001	<0.002
Beta-BHC	1.23	0.007	<0.01	0.002	<0.01	0.127	<0.01	<0.008	<0.008	0.39	0.001	0.006	<0.008	0.002	0.008
Gamma-BHC (Lindane)	1.25	0.001	0.015	<0.001	0.031	<0.01	0.027	0.048	<0.004			<0.001	<0.004	<0.001	<0.004
Chlordane	1.71	0.007	0.033	0.004	0.033	0.11	0.028	0.082	0.054	0.078	0.148	0.021	0.002	<0.002	0.011
4,4'-DDD	0.87	0.004	0.031	0.005	0.012	0.279	0.033	0.474	0.078	0.067	0.082	0.012	0.001		0.019
4,4'-DDE	0.91	0.008	0.103		0.022	0.09	0.062	0.28	0.076	0.149	0.243		0.005		0.046
4,4'-DDT	0.098	0.004	0.002				0.11	0.416	0.019	0.012	0.017	0.118			0.014
Dieldrin	<0.001		0.002		<0.001	0.005	0.26	<0.001					<0.001		0.001
Endosulfan I	<0.001	<0.02	<0.001				0.07	0.028	<0.02						<0.02
Endosulfan II	<0.003	0.003	0.006	0.006	<0.003	<0.003	0.20	<0.003	0.005	<0.003	0.004	0.015	<0.003	<0.001	<0.003
Endrin	<0.001	<0.003	0.004		<0.001		<0.001	<0.003					<0.003		<0.003
Heptachlor Epoxide	1.0	0.003	0.034	<0.001	0.025	0.019	0.023	0.027	0.007	0.057	0.158	0.011	<0.002	<0.001	0.002
PCB-1248	8.62	1.37	2.73	0.03	0.94	2.03	0.70	2.82	1.05	0.57	2.84	1.39	0.07	0.03	0.19
PCB-1254	9.0	1.25	0.78	<0.02	0.29	1.21	0.38	1.66	0.28	0.22	1.02	0.61	0.02	<0.02	0.08
PCB-1260	2.71	0.73	0.16	<0.02	0.10	0.55	0.10	1.33	0.13	0.11	0.21	0.31	0.01	<0.02	0.02
(Metals & Others)															
Beryllium	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium	5.1	0.9	0.6	1.8	1.3	5.9	2.1	2.3	NA	1.9	6.0	4.2	0.60	<0.20	1.00
Chromium	44	27	26	260	23	120	44	100	NA	44	89	74	9.0	7.0	25
Copper	230	46	29	76	40	100	72	390	NA	71	170	140	10	10	37
Lead	550	51	37	67	53	180	90	310	NA	130	250	180	19	15	49
Mercury	0.7	0.3	0.1	0.7	0.3	0.8	0.8	1.1	NA	0.6	0.5	1.2	0.2	0.1	0.3
Nickel	34	12	16	31	20	35	23	32	NA	22	35	26	5.7	10	13.
Silver	<0.3	<0.3	<0.3	<0.3	<0.3	3.7	0.67	1.7	NA	0.4	1.2	<0.3	<0.3	<0.3	<0.3
Zinc	530	270	230	230	210	540	430	630	NA	420	770	780	120	54	190
Cyanide	<1.2	<1.2	2.0	7.3	1.6	2.9	5.5	2.1	2.8	2.1	4.4	3.9	<1.2	<1.2	<1.2
Phenols	1.6	0.6	<0.6	0.4	<0.6	<0.6	<0.6	30	0.7	<0.6	0.9	0.6	<0.6	1.0	<0.6

Note: Parameters listed above represent priority pollutants detected in the sediment samples. Priority pollutants that were not detected in any sample, or that were not tested for, have been omitted from the table along with pollutants that do not appear on the priority pollutant listing.

* - Tentative identification and approximate quantitation.
Blank - Parameter not detected in sample.
NA - Parameter not analyzed

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TABLE N-2

SUMMARY OF B.A.S.S. RESULTS
NIAGARA RIVER

Parameter	Upstream (12) Max. Conc. (ppm)	Upstream (12) Hits	At Site (3) Max. Conc. (ppm)	At Site (3) Hits
Benzene	0.01	1	ND	0
Chlorobenzene	1.00	4	0.014	2
Chloroform	1.19	3	0.041	1
Dibromochloromethane	0.011	1	ND	0
1,1-Dichloroethane	1.0*	4	ND	0
1,2-Dichloroethane	0.014	1	ND	0
1,2-Dichloropropane	0.011	1	ND	0
Ethylbenzene	0.124	2	ND	0
Methylene Chloride	1.37	8	0.195	3
1,1,2,2-Tetrachloroethane	0.005	1	0.002	1
Tetrachloroethylene	0.012	4	0.003	1
1,1,1-Trichloroethane	0.008	1	ND	0
1,1,2-Trichloroethane	ND	0	ND	0
Acenaphthene	1.0	2	ND	0
Chrysene	59.5	5	ND	0
1,2-Dichlorobenzene	1.7	2	ND	0
1,3-Dichlorobenzene	0.9	1	ND	0
1,4-Dichlorobenzene	1.4	1	0.8	1
Bis(2-Ethylhexyl) Phthalate	4.2	2	0.6	1
Fluoranthene	14.1	5	ND	0
Fluorene	0.6	2	ND	0
Naphthalene	3.1	5	0.8	1
Phenanthrene	5.6	5	ND	0
Pyrene	15.9	7	ND	0
1,2,4-Trichlorobenzene	1.1	1	ND	0

continued....

TABLE N-2

SUMMARY OF B.A.S.S. RESULTS
NIAGARA RIVER

Parameter	Upstream (12) Max. Conc. (ppm)	Upstream (12) Hits	At Site (3) Max. Conc. (ppm)	At Site (3) Hits
Aldrin	0.001	1	ND	0
Beta-BHC	1.23	7	0.008	2
Gamma-BHC (Lindane)	3.25	6	ND	0
Chlordane	1.71	12	0.011	2
4,4'-DDD	0.87	12	0.019	2
4,4'-DDE	0.91	10	0.046	2
4,4'-DDT	0.416	9	0.014	1
Dieldrin	0.26	3	0.001	1
Endosulfan I	0.07	2	ND	0
Endosulfan II	0.20	7	ND	0
Endrin	0.004	1	ND	0
Heptachlor Epoxide	1.00	11	0.002	1
PCB-1248	8.62	12	0.19	3
PCB-1254	9.00	11	0.08	2
PCB-1260	2.71	11	0.02	2
Beryllium	ND	0	ND	0
Cadmium	6.00	11	1.00	2
Chromium	260	11	25.0	3
Copper	390	11	37.0	3
Lead	550	11	49.0	3
Mercury	1.20	11	0.30	3
Nickel	35.0	11	13.0	3
Silver	3.70	5	ND	0
Zinc	780	11	190	3
Cyanide	7.30	10	ND	0
Phenols	30.0	7	1.00	1

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Drawn by	Scale 1" = 200' CONTOUR INTERVAL = 2'	Date: OCTOBER 1988	File Nº: S	Rev. Nº
Designed by:				
Checked by:	Field book:	Project Nº: 1431	Drawing Nº: 32 PLAN I	

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Drawn by:	Scale: 1" = 50' CONTOUR INTERVAL = 1'	Date: OCTOBER 1988	File Nº: OS2	Rev. Nº:
Designed by:	Field book:	Project Nº: 1431	Drawing Nº: 33 PLAN 2	
Checked by:				

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