



THE CITY OF SAN DIEGO

# North City Water Reclamation Plant

## Annual Monitoring Report 2006

(SDRWQCB Order Number 97-03)



**Certified  
ISO 14001**

Environmental Monitoring and Technical Services  
Metropolitan Wastewater Department  
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101  
Tel (619) 758-2300 Fax (619) 758-2309

January 30, 2007

Mr. John Robertus, Executive Officer  
California Regional Water Quality Control Board,  
San Diego Region  
9174 Sky Park Court, Suite 100  
San Diego, CA 92123

Attn: Ground Water Unit

Dear Mr. Robertus:

Enclosed is the Annual Monitoring report for 2006 for the City of San Diego North City Water Reclamation Plant, as is specified in Monitoring and Reporting Program No. 97-03 for the production and purveyance of reclaimed water.

In addition, results of analyses performed on North City samples, as part of the Metropolitan Wastewater system-wide Quarterly Sludge Project, a portion of the City's Pretreatment Program, have also been included.

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Mr. John Robertus, Executive Officer

January 30, 2007

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

ALAN C. LANGWORTHY

Deputy Director

Environmental Monitoring & Technical Services Division

ACL/tmb

cc: Timothy C. Bertch, Ph.D.  
Robert Ferrier  
EPA Region 9  
San Diego County Department of Environmental Health,  
Hazardous Materials Division  
San Diego County Department of Environmental Health,  
Land Use Division  
Distribution  
File

**INTRODUCTION:**

The purpose of this document is to both meet the requirements of Monitoring and Reporting Program and to provide a reference source and resource tools for both regulatory agencies and City staff and their consultants. To this, end the past year's data is presented in tabular and graphical form. To make this document more useful we have included information on the operational data, background analyses and process control information.

The source point of samples for monitoring and determining compliance for the reclaimed water was changed<sup>1</sup> to the source identified as "N34-REC WATER" from the source point, "N30-DFE" (disinfected final effluent), used in previous years. The N30-DFE and other data are included in this report

**Notes on data conventions and analyses:**

It should be noted that for averaging purposes "less than" and "not detected" (nd) values were treated as zeros. In many parts of the report zero values are found. Our computer system reads "less than" values as zero for summaries, as well as in computing averages. In those areas where zeros are found the reader can find appropriate Method Detection Limit (MDL) in the table of data. Because "less than" values are averaged as zero a number of the summary table values are lower than the detection limits.

The data tables may also contain values expressed as a <X (less than) with some number X. For example, the Diazinon value for PLE on March 10, 1998 (in the table below) is reported as <2.4 ug/L (see the below table); this indicates that one or more, of two or more, determinations was above the MDL, while the average was below the MDL. This value is still treated as a zero for averaging and other summary calculations. Note also, that sub-totals and totals consisting of multiple analytes (see below) are also reported as "<X", where the "X" value is the highest MDL for the particular group of analytes. This has the same significance as a "ND" or not detected.

Organophosphorus Pesticides

	MDL	Units	PLE			PLR		
			10-MAR-1998 0311980006	27-APR-1998 0428980006	10-SEP-1998 9809107494	10-MAR-1998 0311980007	27-APR-1998 0428980007	10-SEP-1998 9809107515
Demeton O	1.69	UG/L	ND	ND	ND	ND	ND	ND
Demeton S	1.82	UG/L	ND	ND	ND	ND	ND	ND
Diazinon	2.41	UG/L	<2.4	ND	ND	<2.4	ND	ND
Guthion	7.1	UG/L	ND	ND	ND	ND	ND	ND
Malathion	2.98	UG/L	ND	ND	ND	ND	ND	ND
Parathion	2.83	UG/L	ND	ND	ND	ND	ND	ND
Thiophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1
Demeton -O, -S			<1.8	<0.2	<0.2	<1.8	<0.2	<0.2
Total Organophosphorus Pesticides			<7.1	<7.1	<7.1	<7.1	<7.1	<7.1

A further limitation, that the user of this data should note, is that confidence in the results of an analysis is heavily dependent upon the concentration relative to the Method Detection Limit (MDL). For the most part our detection limits have been established using the procedure in 40 CFR, part 136. This statistical basis for the MDL results in a defined statistical confidence (at the 99% Confidence Interval) of essentially ±100% of the result at or near the MDL. Only at concentrations approximately 5 times the MDL is the confidence interval at ±20% relative. While the precision of our methods generally ranges from 2-3 significant figures, the above limitations of confidence should always be considered.

<sup>1</sup> as stipulated in SDRWQCB "Receipt of Monitoring Reports for Order No. 97-03, dated January 11, 2002.

Laboratories Contributing Results used in this report.

Metropolitan Wastewater Chemistry Laboratory  
(EPA Lab Code: CA00380,  
ELAP Certificate: 1609)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3205  
**All results except those listed below.**

Point Loma Wastewater Chemistry Laboratory  
(EPA Lab Code: CA01435,  
ELAP Certificate: 2474)  
1902 Gatchell Road  
San Diego, CA 92106  
(619)221-8765

**Process control analyses and wet methods  
for the plant.**

North City Wastewater Chemistry Laboratory  
(EPA Lab Code: CA01436,  
ELAP Certificate: 2477)  
4949 Eastgate Mall  
San Diego, CA 92121  
(858)824-6009

**Process control analyses and wet methods  
for the plant.**

Metro Biosolids Center Chemistry Laboratory  
(EPA Lab Code: CA01437,  
ELAP Certificate: 2478)  
5240 Convoy Street  
San Diego, CA 92111  
(858)614-5834

**Process control analyses and wet methods  
for the plant.**

City of San Diego - Water Quality Laboratory  
(EPA Lab Code: CA00080,  
ELAP Certificate: 1058)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3237  
**Total Organic Carbon in Wastewater**

City of San Diego - Marine Microbiology and  
Vector Management (EPA LabCode: CA01393,  
ELAP Certificate: 2185)  
5530 Kiowa Drive  
La Mesa, CA 91942  
(619)668-3226  
**Microbiology**

Truesdail Laboratories, Inc. (EPA Lab Code:  
CA09469, ELAP Certificate: 1237)  
14201 Franklin Ave.  
Tustin, CA 92780-7008  
(714)730-6239  
**Gross Alpha/Beta Radioactivity**

Graphs:

Graphs of monthly averages show the arithmetic mean of the determinations made in the calendar month without weighting for variation in frequency or number of determinations. If the mean is less than the MDL (i.e. 'nd' or '<X'), the expressed graphical value is zero (0).

Terms:

North City Water Reclamation Plant Source Codes

N01 PS_INF	Pump Station 64 Influent
N01-PEN	Penasquitos Influent Pump Station
N10 EFF	Primary Effluent
N15 AE	Aeration Effluent
N15 AB5 NOX1	Aeration Basin #5 Anoxic Zone #1
N15 AB5 NOX3	Aeration Basin #5 Anoxic Zone #3
N15 AB5 AER4	Aeration Basin #5 Aerobic Zone #4
N15 WAS LCP	Waste Activated Sludge LCP
N20 SE	Secondary Effluent
N20 RAS	COMB Return Activated Sludge Pumps Combined
N34 REC WATER	Compliance point . Reclaimed water distributed to customers, downstream of EDR unit.
N25 FES	Filter Effluent Structure

**North City Water Reclamation Plant**

<u>Name</u>	<u>Grade</u>	<u>Cert. No.</u>	<u>Expiration Date</u>	<u>Water</u>
<u>Reclamation Plant Superintendent:</u>				
Roe, Michael	V	6298	06/30/2008	
<u>North City Sr. Operations Supervisor</u>				
Pruett, Sam	V	7791	06/30/2007	
<u>Operations Supervisors</u>				
Cozad, John	III	7138	12/31/2007	
Nunez, Carlos	III	7626	06/30/2008	
Blumer, Bruce	III	9347	12/31/2008	
Featherston, Robert	III	7534	06/30/2007	
<u>Operators</u>				
Todd, Terry	II	9833	06/30/2007	
Williams, Wesley	II	5932	06/30/2007	
Hill, Cardell	II	4041	06/30/2007	
Alexander, Jennifer	I	Operator in training	12/31/2007	
<u>Process Control Supervisors</u>				
Relph, Rob	III	6742	12/31/2008	
Howard, Brandon	I	Operator in training	12/31/2007	





North City Water Reclamation Plant

Monthly Totals  
2006

Month	(MGD)	Pump 64 (MGD)	Plant Drain (MGD)	Disinfect Final Effluent (MGD)	Plant Utility Reclaim Water (MGD)	Reclaim Water N Return (MGD)	FES Filter Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Sludge Flow to MBC (MGD)
01	231.3	471.6	31.3	18.7	68.8	585.34	158.34	706.90	18.97	.08	12.94	5.76	33.76
02	229.3	404.7	37.8	16.1	85.4	506.61	142.78	635.81	18.27	2.12	13.24	3.81	31.77
03	245.5	449.5	37.5	15.5	44.2	614.05	160.24	705.53	23.76	.00	10.57	3.53	34.78
04	254.2	399.5	38.3	18.2	65.9	520.74	151.29	653.13	18.86	1.47	7.11	3.31	30.33
05	1.2	672.5	39.2	13.2	68.6	551.20	128.60	681.75	19.56	1.16	10.24	5.25	36.34
06	17.2	663.8	43.2	20.6	151.2	470.61	210.35	678.67	17.86	.00	12.04	5.70	31.16
07	210.8	500.4	54.5	22.4	188.6	463.72	284.61	738.60	18.75	.00	12.18	5.95	27.60
08	184.7	508.2	30.8	19.9	181.9	502.47	249.02	750.66	19.48	.00	12.55	7.91	37.75
09	64.0	637.6	29.0	20.2	170.6	495.29	261.36	724.49	20.11	.00	12.22	7.54	37.62
10	.0	726.7	35.7	18.3	143.9	509.99	233.66	730.38	19.13	.00	12.93	5.29	36.46
11	67.2	617.4	34.3	15.3	112.3	513.72	206.71	699.06	18.57	.00	12.85	5.74	36.21
12	141.7	450.3	39.3	12.7	75.0	491.97	142.56	633.83	16.32	.00	9.70	3.98	28.19
Average	138.9	541.3	37.6	17.6	113.0	518.81	194.13	694.90	19.14	.40	11.55	5.31	33.50
Total	1667.0	6495.6	451.0	211.0	1356.4	6225.71	2329.52	8338.81	229.64	4.83	138.57	63.77	401.97

Daily Averages  
2006

Month	(MGD)	Pump 64 (MGD)	Plant Drain (MGD)	Plant Utility Reclaim Water (MGD)	Reclaim Water (MGD)	Disinfect Final Effluent (MGD)	Primary Effluent (MGD)	Primary Sludge (MGD)	WAS Hi Cap sludge (MGD)	WAS Lo Cap sludge (MGD)	Filter Backwash (MGD)	Sludge Flow to MBC (MGD)
01	7.5	15.2	1.0	.6	2.2	5.11	22.80	.61	.00	.42	.19	1.09
02	8.2	14.5	1.3	.6	3.1	5.10	22.71	.65	.08	.47	.14	1.13
03	8.5	13.3	1.2	.5	1.4	5.17	22.76	.77	.00	.34	.11	1.12
04	.0	21.7	1.3	.6	2.2	5.04	21.77	.63	.05	.24	.11	1.01
05	.6	22.1	1.4	.7	5.0	7.01	22.62	.60	.00	.40	.19	1.04
06	6.8	16.1	1.8	.7	6.1	9.18	23.83	.60	.00	.39	.19	.89
07	6.0	16.4	1.0	.6	5.9	8.03	24.21	.63	.00	.40	.26	1.22
08	2.1	21.3	1.0	.7	5.7	8.71	24.15	.67	.00	.41	.25	1.25
09	.0	23.4	1.2	.6	4.6	7.54	23.56	.62	.00	.42	.17	1.18
10	2.2	20.6	1.1	.5	3.7	6.89	23.30	.62	.00	.43	.19	1.21
11	5.2	16.7	1.5	.5	2.8	5.28	23.48	.60	.00	.36	.15	1.04
Average	4.6	18.0	1.3	.6	3.7	6.43	23.10	.64	.01	.38	.18	1.11

<b>North City Water Reclamation Plant</b>			
<b>(N34-REC WATER) Recycled Water Chlorine Report</b>			
<b>N34-REC WATER is compliance point for reclaimed water</b>			
	Minimum Daily <sup>1</sup>	Maximum Daily <sup>2</sup>	Time <sup>3</sup>
Operations 2006	Chlorine Residual	Chlorine Residual	CT less than
Date	(mg/L)	(mg/L)	450 mg-min/l (min)
Jan	7.21	12.22	0
Feb	8.15	12.97	0
Mar	6.91	11.43	0
Apr	4.96	11.98	0
May	6.53	14.39	0
Jun	9.99	14.11	0
Jul	6.62	13.04	0
Aug	8.51	13.02	0
Sep	8.40	14.14	0
Oct	8.91	13.98	0
Nov	6.14	16.31	0
Dec	5.21	17.60	0
		Total:	0
1 Minimum Daily value is the average recorded for the month.			
2 Maximum Daily value is the average recorded value for the month.			
3 Total time for the month.			

**North City Water Reclamation Plant  
Recycled Water Coliform Report**

Operations 2006 Date	Tot. Coliform (7-day median) (MPN)
Jan	<2
Feb	<2
Mar	<2
Apr	<2
May	<2
Jun	<2
Jul	<2
Aug	<2
Sep	<2
Oct	<2
Nov	<2
Dec	<2

**North City Water Reclamation Plant**

**Recycled Water Turbidity Report**

Data from in-plant meter <sup>4</sup>

	Average Daily	Minimum Daily <sup>1</sup>	Maximum Daily <sup>2</sup>	Time Over <sup>3</sup>
Operations 2006	Turbidity	Turbidity	Turbidity	5 NTU's
Date	(NTU)	(NTU)	(NTU)	(MINUTES)
Jan	0.80	0.60	1.59	0.02
Feb	0.91	0.68	1.60	0.19
Mar	0.98	0.83	1.51	0
Apr	0.91	0.77	1.33	0
May	1.58	0.99	2.93	2.08
Jun	0.99	0.81	1.88	0.02
Jul	0.63	0.44	1.11	0
Aug	0.84	0.61	1.47	0.07
Sep	0.54	0.43	0.79	0
Oct	0.55	0.43	0.89	0
Nov	0.72	0.54	1.28	0
Dec	0.78	0.56	1.26	0
Average:	0.85		Total:	2.38

<sup>1</sup> Minimum Daily value is the average recorded for the month.

<sup>2</sup> Maximum Daily value is the average recorded value for the month.

<sup>3</sup> Total time for the month.

<sup>4</sup> Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25A11673), located at meter room of Area 25 (Tertiary Filter Structures)

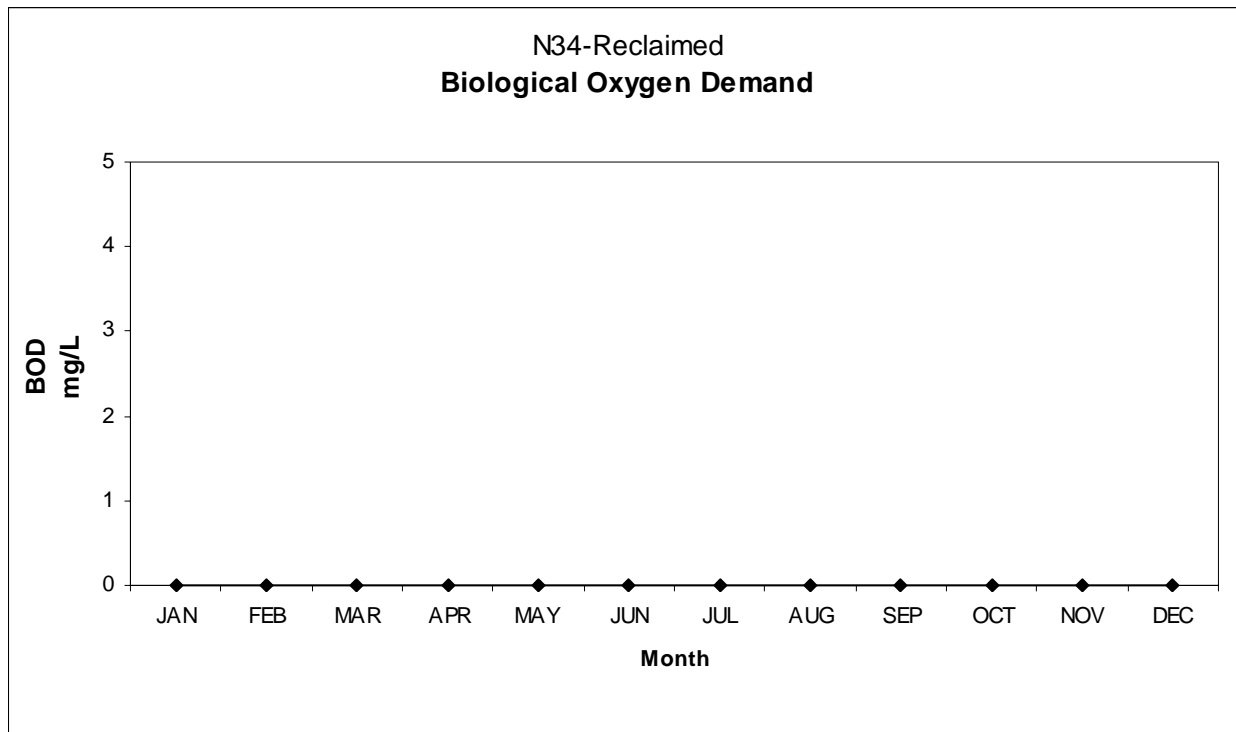
North City Water Reclamation Plant  
Annual Monitoring Report

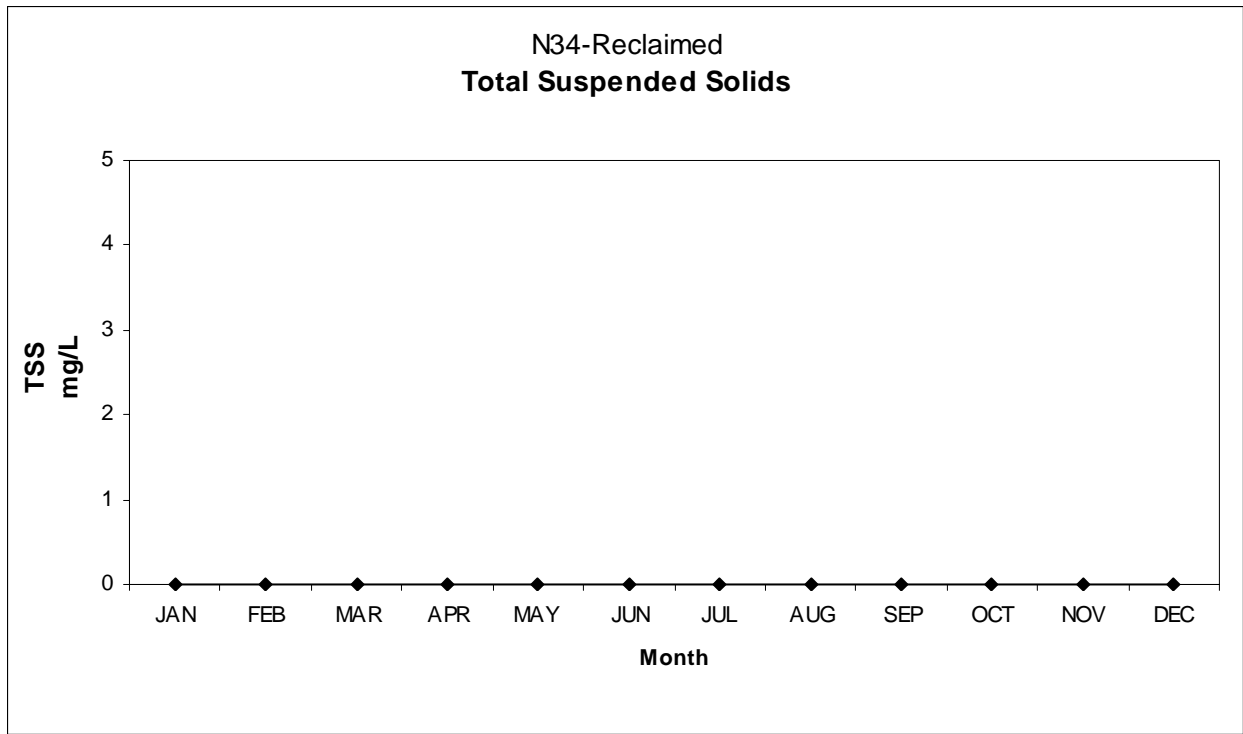
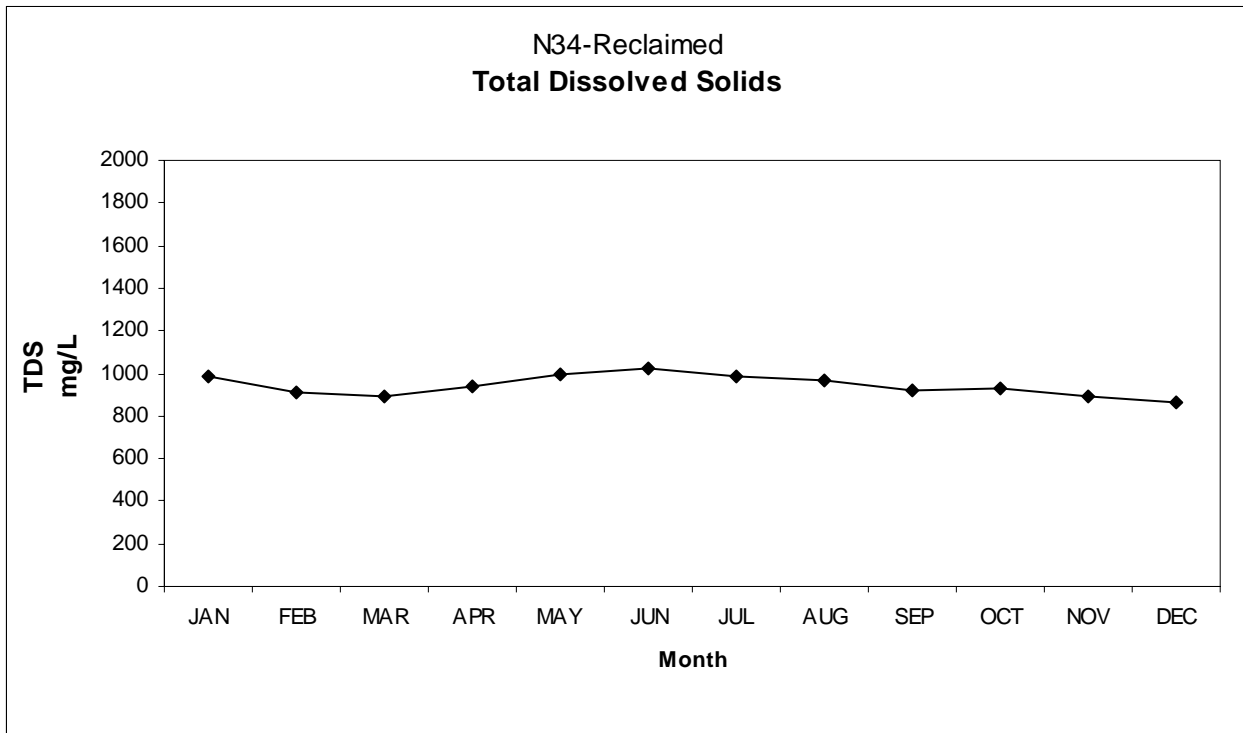
2006

Sampled by: North City Operators  
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

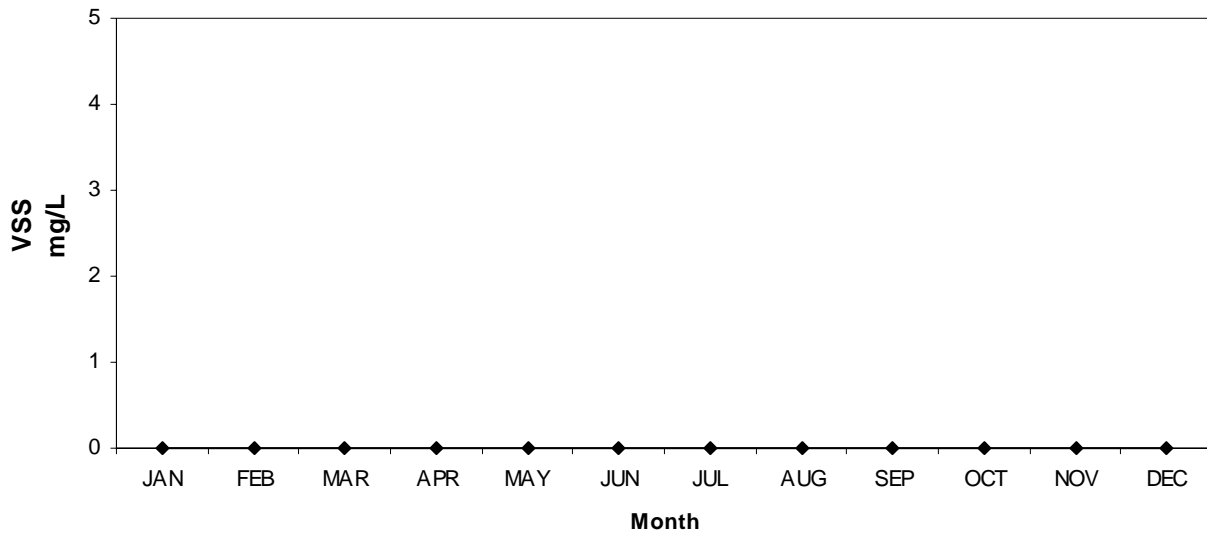
**N34-Reclaimed Water**

Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH Grab
JAN	ND	984	ND	ND	7.39
FEB	<2	910	ND	ND	7.55
MAR	<2	895	ND	ND	7.55
APR	<2	935	ND	ND	7.36
MAY	<2	997	<1.6	<1.6	7.27
JUN	<2	1020	<1.6	<1.6	7.41
JUL	<2	985	<1.6	ND	7.23
AUG	<2	964	<1.6	ND	7.35
SEP	<2	921	ND	ND	7.3
OCT	<2	933	ND	ND	7.43
NOV	<2	895	ND	ND	7.34
DEC	<2	865	ND	ND	7.36
Average	ND	942	ND	ND	7.38

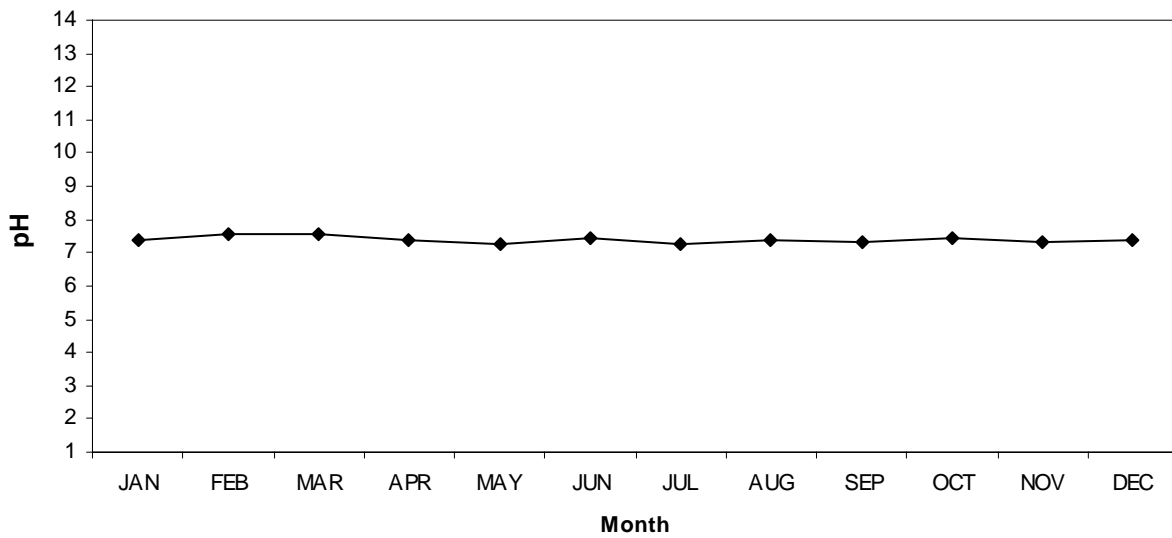




N34-Reclaimed  
Volatile Suspended Solids



N34-Reclaimed  
pH



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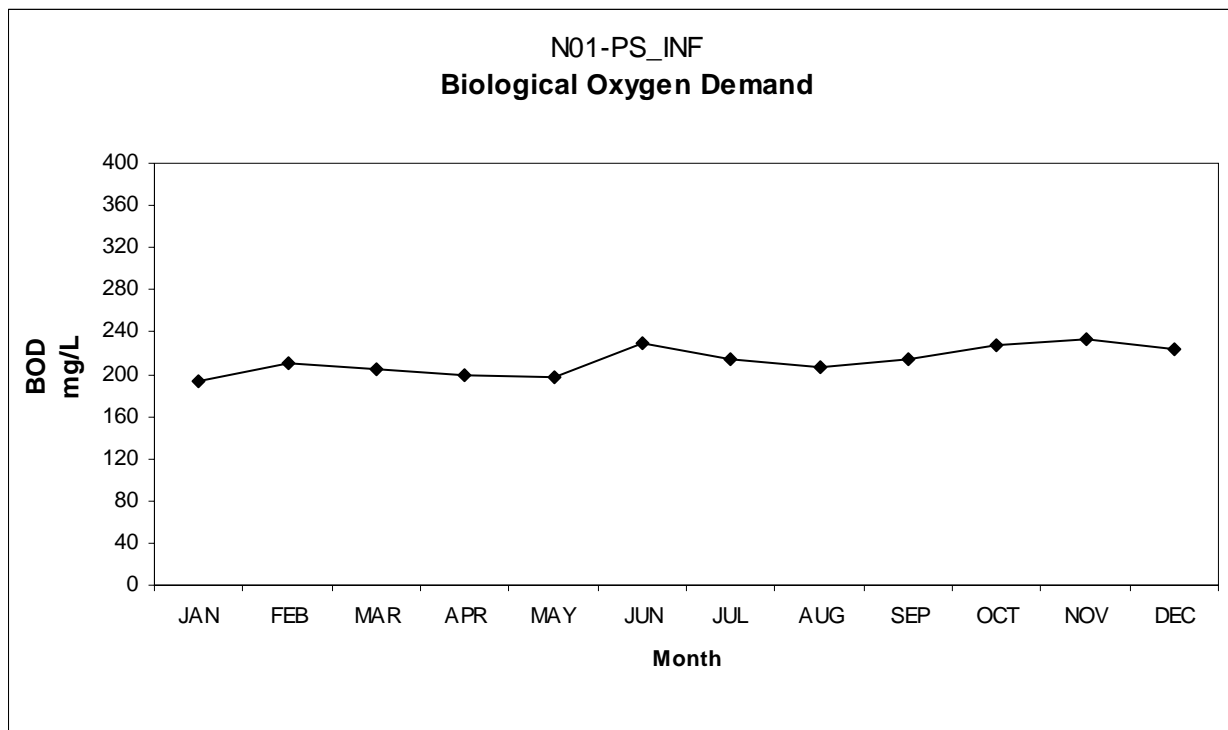
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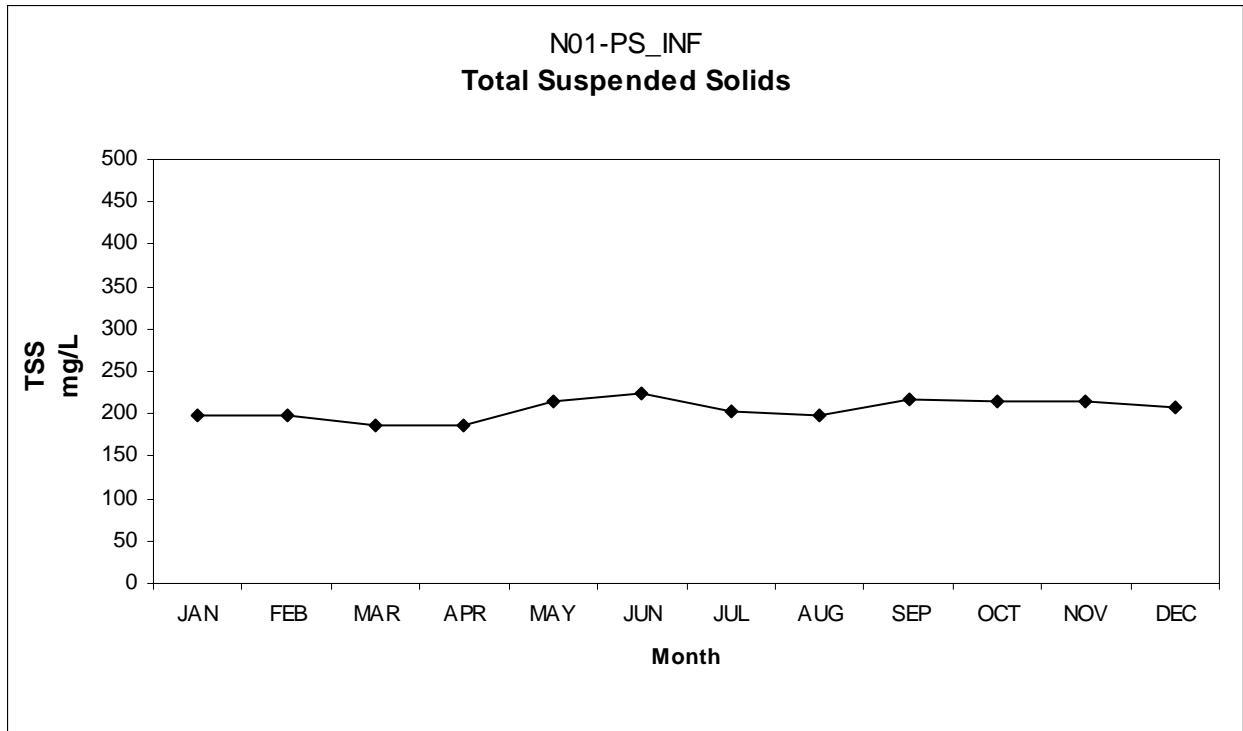
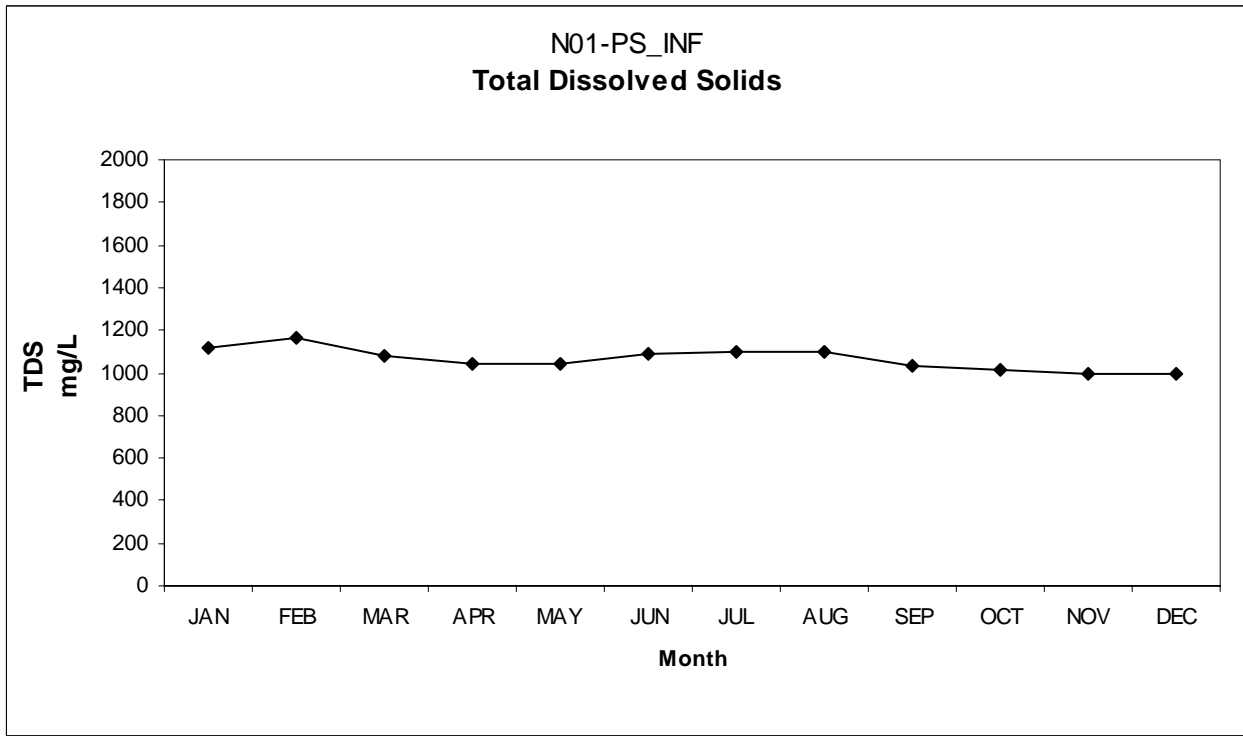
Sampled by: North City Operators

Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

**Influent (from Pumpstation 64) (N01-PS\_INF)**

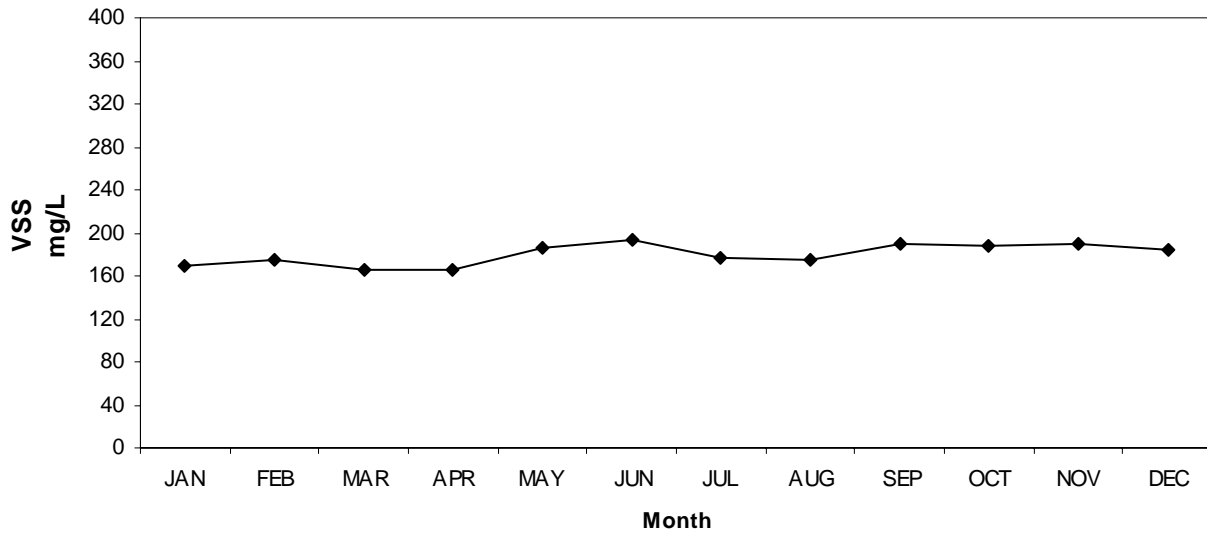
Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH  Grab (pH)	Turbidity  (NTU)
JAN	194	1120	197	105	170	7.57
FEB	210	1160	199	104	174	7.61
MAR	204	1080	187	106	165	7.54
APR	200	1040	186	103	165	7.49
MAY	198	1040	214	110	186	7.41
JUN	230	1090	224	110	194	7.47
JUL	214	1100	203	108	177	7.47
AUG	206	1100	199	110	175	7.53
SEP	215	1030	217	113	189	7.5
OCT	228	1010	215	110	188	7.51
NOV	233	991	214	117	189	7.56
DEC	224	994	207	108	184	7.56
Average	213	1063	205	109	180	7.52



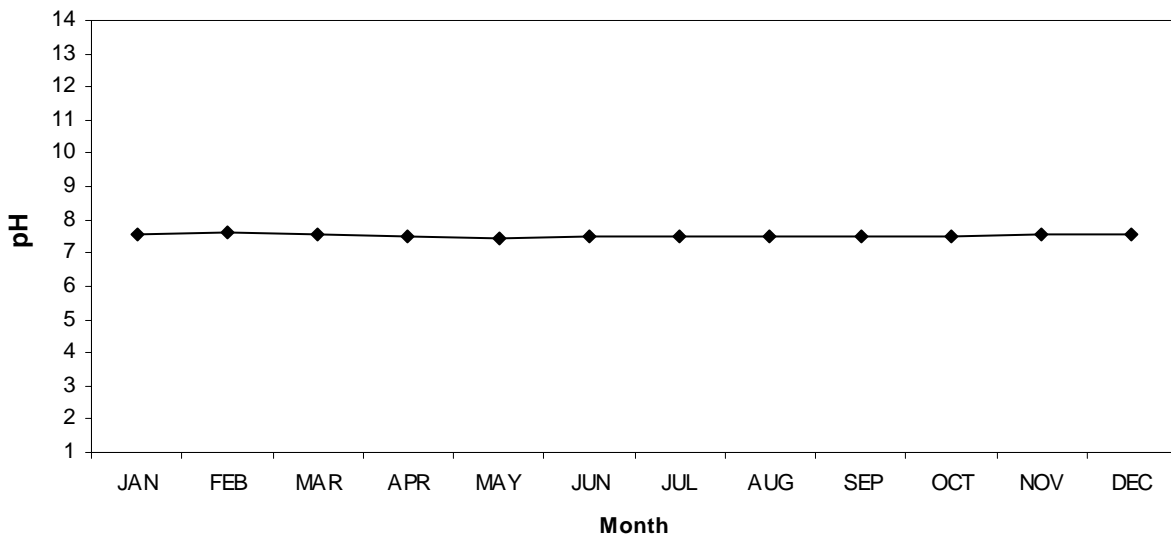




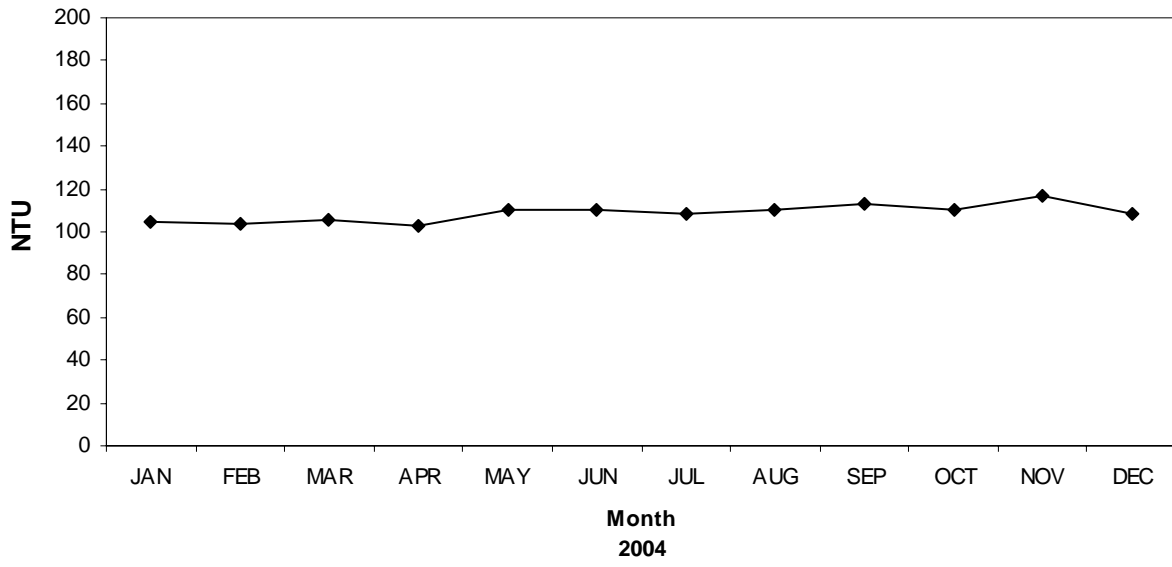
N01-PS\_INF  
Volatile Suspended Solids



N01-PS\_INF  
pH



N01-PS\_INF  
Turbidity



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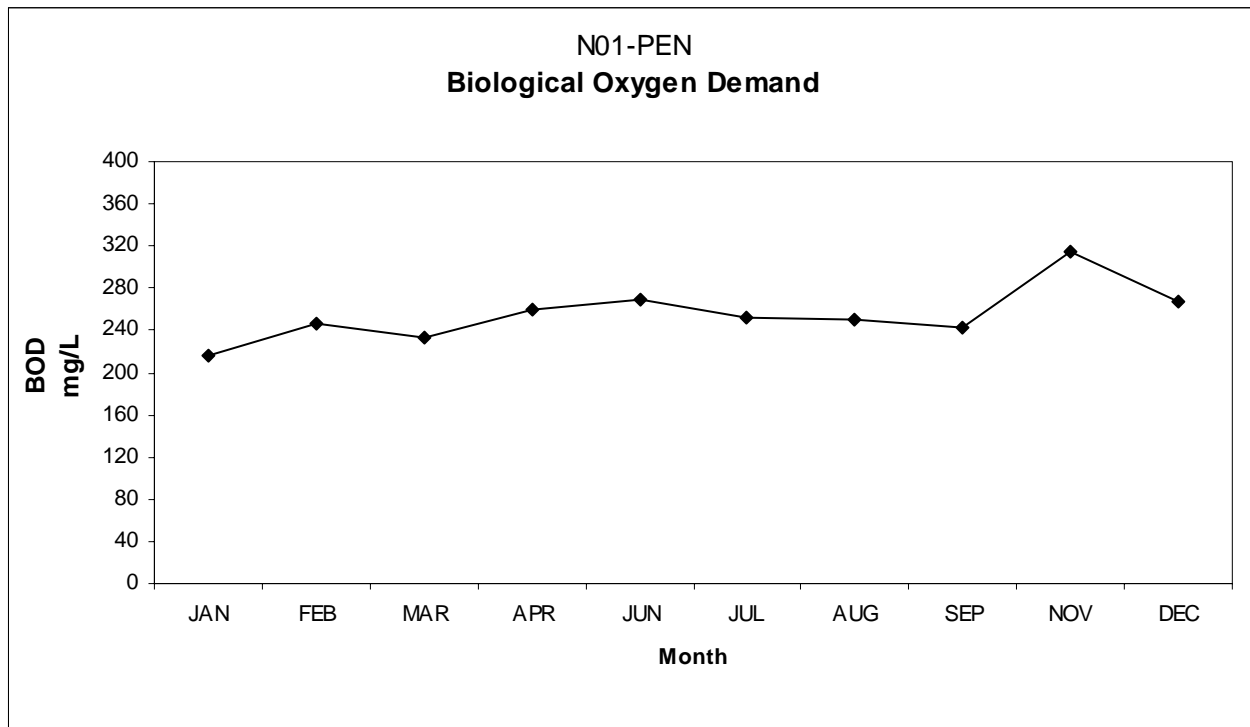
2006

Sampled by: North City Operators

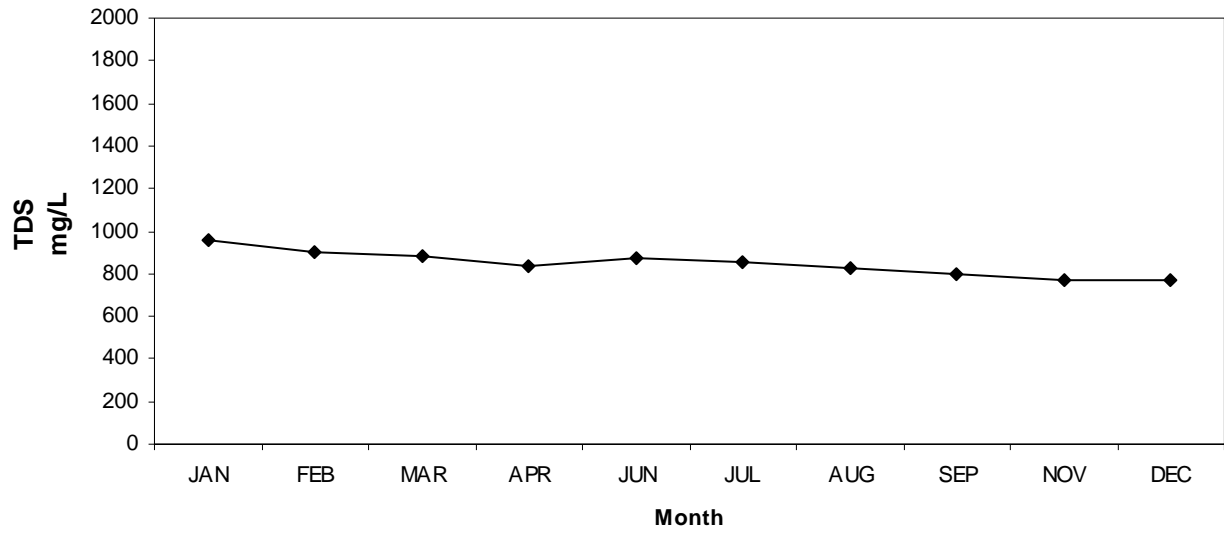
Analyzed by: NLC, LEC, LDP, KLW, VEB, ACD, KG

**Influent (from the Penasquitos interceptor) (N01-PEN)**

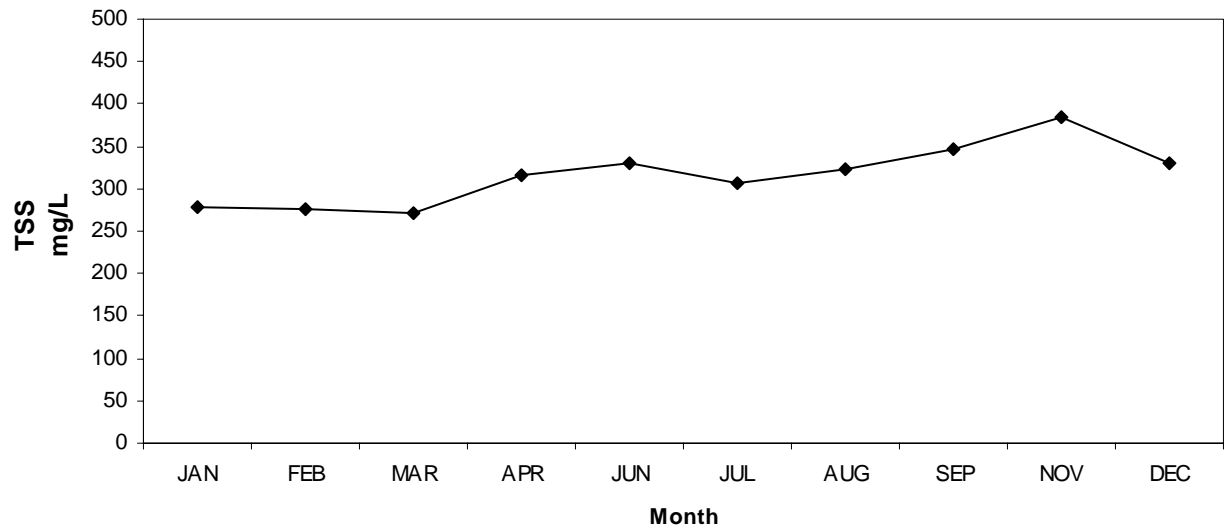
Month	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	pH Grab (pH)	Turbidity (NTU)
JAN	216	955	279	240	7.54	140
FEB	247	904	276	239	7.59	130
MAR	233	879	271	240	7.62	130
APR	260	839	316	266	7.49	130
MAY	Off Line	Off Line	Off Line	Off Line	Off Line	Off Line
JUN	270	876	330	269	7.36	155
JUL	252	858	306	254	7.38	131
AUG	251	830	323	263	7.49	141
SEP	243	801	347	280	7.53	146
OCT	Off Line	Off Line	Off Line	Off Line	Off Line	Off Line
NOV	315	773	385	312	7.39	187
DEC	267	772	330	273	7.39	182
Average	255	849	316	264	7.48	147



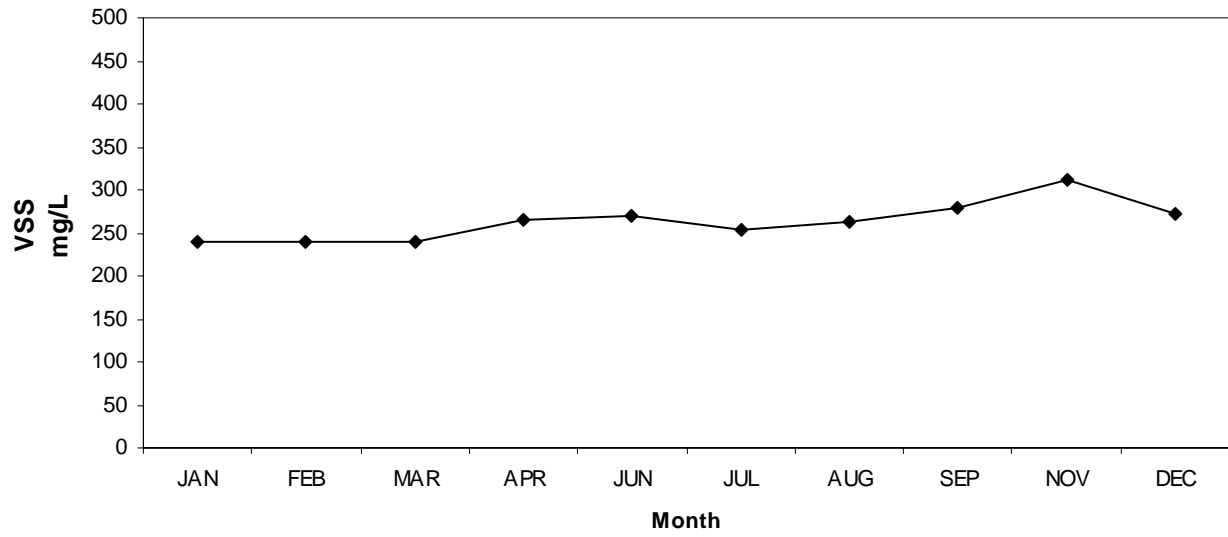
N01-PEN  
Total Dissolved Solids



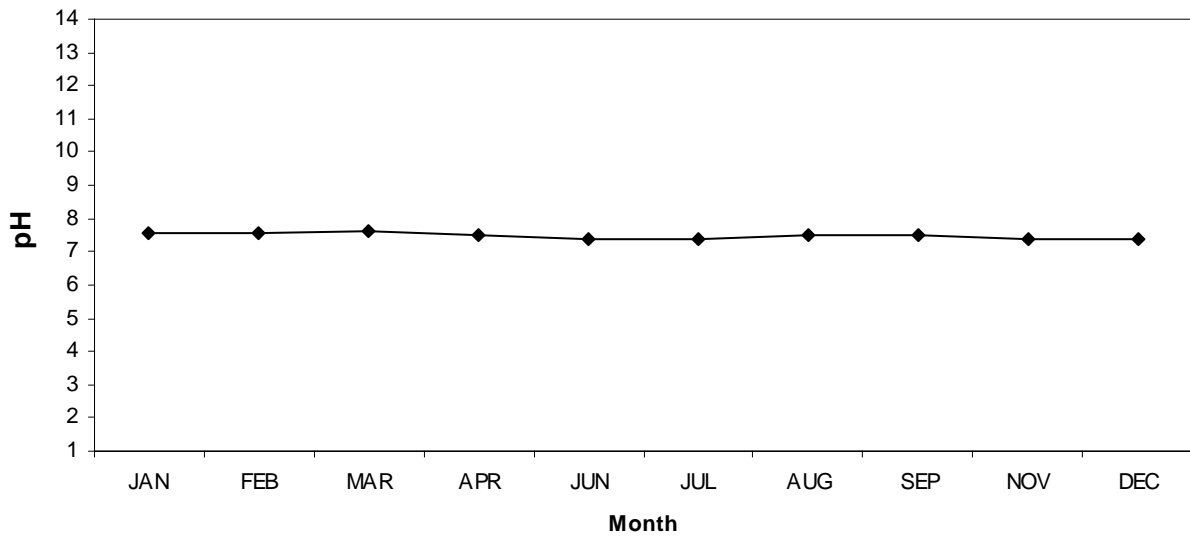
N01-PEN  
Total Suspended Solids



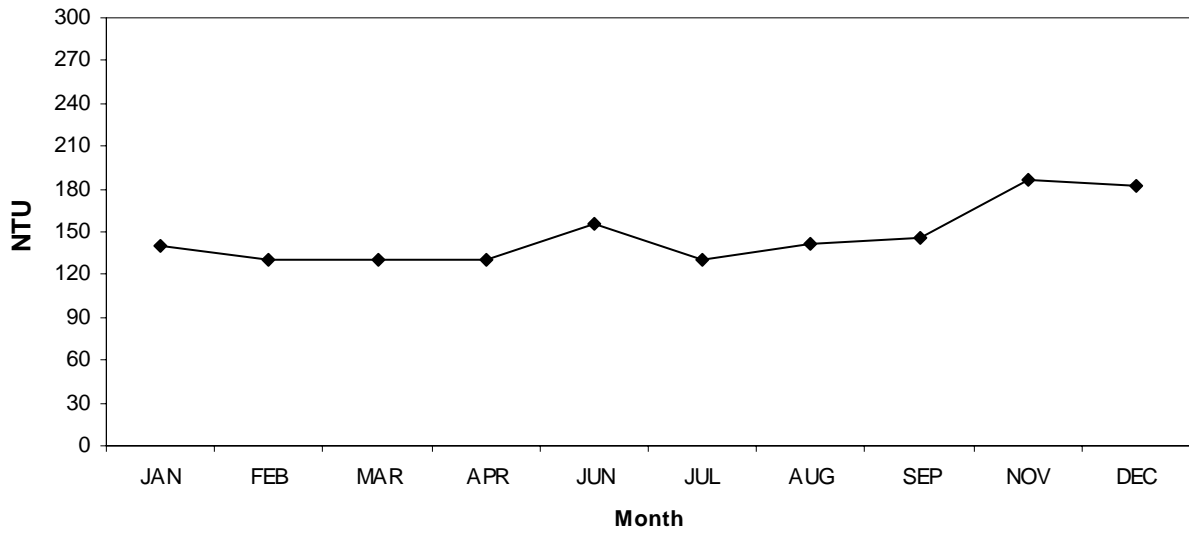
N01-PEN  
Volatile Suspended Solids



N01-PEN  
pH



N01-PEN  
Turbidity



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(N34-REC) Reclaimed Water

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL and Units:	34 UG/L	2.9 UG/L	0.4 UG/L	0.039 UG/L	0.022 UG/L	1.7 UG/L
Limit:	1000	6	50	1000	4	700
JANUARY -2006	30	ND	1.06	68.1	ND	409
FEBRUARY -2006	205	ND	0.64	66.8	ND	346
MARCH -2006	148	ND	0.86	54.1	ND	388
APRIL -2006	261	ND	0.48	50.0	ND	359
MAY -2006	397	ND	0.61	43.9	ND	304
JUNE -2006	159	ND	0.52	67.0	ND	320
JULY -2006	168	ND	0.86	36.0	ND	445
AUGUST -2006	171	ND	0.60	38.5	ND	372
SEPTEMBER-2006	131	ND	0.43	38.2	ND	433
OCTOBER -2006	173	ND	0.94	50.5	ND	386
NOVEMBER -2006	52	ND	0.95	37.9	ND	314
DECEMBER -2006	56	ND	0.69	21.8	ND	322
Annual Average:	163	ND	0.72	47.7	ND	367

Analyte:	Cadmium	Chromium	Copper	Iron	Manganese	Mercury
MDL and Units:	0.53 UG/L	1.2 UG/L	0.63 UG/L	37 UG/L	0.24 UG/L	0.09 UG/L
Limit:	5	50		300	50	2
JANUARY -2006	ND	0.7	19.1	28	86	ND
FEBRUARY -2006	ND	1.1	9.5	106	126	ND
MARCH -2006	ND	ND	17.5	66	132	ND
APRIL -2006	ND	ND	13.1	137	148	ND
MAY -2006	ND	0.3	19.0	148	126	ND
JUNE -2006	ND	0.7	15.2	70	152	ND
JULY -2006	ND	ND	13.9	115	194	ND
AUGUST -2006	ND	0.6	6.9	67	153	ND
SEPTEMBER-2006	ND	0.7	18.8	131	179	ND
OCTOBER -2006	0.2	ND	12.6	107	100	ND
NOVEMBER -2006	ND	ND	11.2	40	54	ND
DECEMBER -2006	ND	7.4	13.8	133	111	ND
Annual Average:	0.0	1.0	14.2	96	130	ND

Analyte:	Nickel	Selenium	Thallium	Chloride	Fluoride	Sulfate
MDL and Units:	0.53 UG/L	0.28 UG/L	3.9 UG/L	7 MG/L	.05 MG/L	9 MG/L
Limit:	100	50	2	300	1	300
JANUARY -2006	6.2	0.87	ND	298	ND	252
FEBRUARY -2006	5.6	0.93	ND	259	0.4	230
MARCH -2006	7.0	0.69	ND	226	0.4	191
APRIL -2006	5.6	0.75	ND	264	0.4	219
MAY -2006	3.7	0.85	ND	335	0.4	229
JUNE -2006	3.9	0.92	ND	265	0.4	211
JULY -2006	7.5	0.67	ND	245	0.2	188
AUGUST -2006	6.5	0.83	ND	253	0.4	207
SEPTEMBER-2006	5.7	0.68	5	263	0.3	195
OCTOBER -2006	3.8	0.55	ND	262	0.5	212
NOVEMBER -2006	5.0	0.49	ND	243	0.4	183
DECEMBER -2006	16.8	0.44	ND	280	0.4	161
Annual Average:	6.4	0.72	0	266	0.4	207

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

MDL's listed are from December 2006 analysis

North City Water Reclamation Plant  
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(N34-REC) Reclaimed Water

Analyte:	Total Cyanides	MBAS Surfactants	Total Organic Carbon	Percent Sodium Calculated	Adjusted Sodium Adsorption Calculated	Calcium
MDL and Units:	.002 MG/L	.03 MG/L	0.30 MG/L			0.04 MG/L
Limit:	0.2				6	
JANUARY -2006	0.0103	0.17	8.0		53	99.0
FEBRUARY -2006	0.0039	0.13	7.5		58	77.3
MARCH -2006	0.0178	0.16	10.1		59	48.9
APRIL -2006	0.0219	0.18	11.3		56	63.9
MAY -2006	0.0187	0.35	11.6		62	75.8
JUNE -2006	0.0071	0.11	9.6		57	59.6
JULY -2006	0.0134	0.17	8.5		60	54.2
AUGUST -2006	0.0150	0.17	7.9		57	67.7
SEPTEMBER-2006	0.0142	0.25	8.5		64	53.9
OCTOBER -2006	0.0096	0.17	9.2		58	63.2
NOVEMBER -2006	0.0111	0.17	8.4		60	47.3
DECEMBER -2006	0.0042	0.14	9.0		64	52.5
Annual Average:	0.0123	0.18	9.1		59	63.6

Analyte:	Magnesium	Potassium	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness
MDL and Units:	0.1 MG/L	0.3 MG/L	1 MG/L	0.2 MG/L	0.08 MG/L	0.22 MG/L
Limit:						
JANUARY -2006	45.1	15.9	238	248	185	433
FEBRUARY -2006	34.0	14.2	226	193	139	332
MARCH -2006	23.8	10.2	152	122	98	220
APRIL -2006	31.5	14.4	178	160	129	289
MAY -2006	37.2	18.4	275	190	153	343
JUNE -2006	25.5	15.1	165	149	105	254
JULY -2006	24.8	13.6	174	136	102	238
AUGUST -2006	31.4	15.6	192	169	129	298
SEPTEMBER-2006	26.0	13.8	207	135	107	242
OCTOBER -2006	30.1	15.9	192	158	123	281
NOVEMBER -2006	22.6	12.5	154	118	93	211
DECEMBER -2006	24.2	15.4	201	131	99	230
Annual Average:	29.7	14.6	196	159	122	281

Analyte	Total Dissolved Solids	Lithium	Cobalt	Molybdenum	Vanadium	Nitrate
MDL and Units:	42 MG/L	.002 MG/L	0.85 UG/L	0.12 UG/L	0.48 UG/L	0.04 MG/L
Limit:	1200					
JANUARY -2006	981	0.04	0.82	6.1	0.8	21.5
FEBRUARY -2006	910	0.04	0.74	6.5	0.9	40.8
MARCH -2006	895	0.03	1.16	6.6	1.2	7.3
APRIL -2006	935	0.03	0.29	8.5	0.7	15.3
MAY -2006	997	0.04	0.96	5.6	1.0	35.7
JUNE -2006	1020	0.02	0.58	6.1	ND	39.9
JULY -2006	985	0.04	0.49	6.3	0.5	37.3
AUGUST -2006	964	0.04	0.92	5.4	1.0	36.9
SEPTEMBER-2006	921	0.04	1.38	15.6	1.1	27.9
OCTOBER -2006	933	0.04	ND	7.3	ND	38.0
NOVEMBER -2006	895	0.03	0.30	5.0	ND	37.0
DECEMBER -2006	865	0.03	1.55	5.4	ND	25.0
Annual Average:	942	0.04	0.766	7.03	0.600	30.2

ND= Not Detected  
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NS= Not Sampled

MDL's listed are from December 2006 analysis



North City Water Reclamation Plant  
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(N34-REC) Reclaimed Water

Analyte:	Ortho	Total
	Phosphate	Alkalinity
MDL and Units:	0.2 MG/L	1.5 MG/L
Limit:		
=====	=====	=====
JANUARY -2006	3.57	135
FEBRUARY -2006	3.89	120
MARCH -2006	1.54	188
APRIL -2006	1.74	173
MAY -2006	5.84	138
JUNE -2006	6.25	109
JULY -2006	3.01	120
AUGUST -2006	2.43	118
SEPTEMBER-2006	3.00	122
OCTOBER -2006	6.20	122
NOVEMBER -2006	5.10	118
DECEMBER -2006	5.23	117
=====	=====	=====
Annual Average:	3.98	132

ND= Not Detected  
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NS= Not Sampled

MDL's listed are from December 2006 analysis

NORTH CITY WATER RECLAMATION PLANT  
(N01-PS\_INF) Pump Station 64 Influent - Annual Averages

From: 01-JAN-2006 To: 31-DEC-2006

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.04	1.7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2006	651	ND	1.7	107	ND	378
FEBRUARY -2006	936	ND	1.3	110	ND	413
MARCH -2006	828	2.0	1.3	91	ND	368
APRIL -2006	863	ND	1.3	74	ND	329
MAY -2006	1760	ND	1.2	99	ND	355
JUNE -2006	1140	ND	1.4	89	ND	338
JULY -2006	834	ND	1.0	101	ND	397
AUGUST -2006	862	ND	1.3	102	ND	354
SEPTEMBER-2006	787	ND	1.0	103	ND	412
OCTOBER -2006	1340	ND	1.8	93	0.05	355
NOVEMBER -2006	1250	ND	2.1	90	ND	355
DECEMBER -2006	1320	ND	1.6	76	0.04	350
=====	=====	=====	=====	=====	=====	=====
Annual Average:	1048	0.2	1.4	95	0.01	367

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	.63	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2006	ND	3.2	2.44	123	674	3.1
FEBRUARY -2006	0.28	2.2	0.70	75	667*	2.6
MARCH -2006	ND	2.2	1.84	93	583*	2.0
APRIL -2006	ND	1.2	0.55	90	551	3.2
MAY -2006	ND	2.8	1.27	142	793	4.3
JUNE -2006	ND	1.6	1.00	120	457	3.8
JULY -2006	0.20	2.2	0.76	123	602	2.1
AUGUST -2006	ND	1.5	1.64	122	702	3.7
SEPTEMBER-2006	ND	2.9	1.21	109	693	3.1
OCTOBER -2006	0.23	1.7	0.18	105	745	ND
NOVEMBER -2006	0.23	1.5	0.50	98	620	2.6
DECEMBER -2006	ND	1.3	2.28	104	729	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.08	2.0	1.20	109	613	2.5

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.09	.89	.53	.28
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2006	38.4	211	0.14	6.88	5.3	1.67
FEBRUARY -2006	46.5	245	ND	3.60	7.6	1.88
MARCH -2006	34.3	228	ND	4.89	5.3	1.72
APRIL -2006	34.8	177	0.09	6.18	4.1	1.12
MAY -2006	44.4	196	0.24	8.19	6.6	1.73
JUNE -2006	45.4	218	ND	5.99	6.5	1.51
JULY -2006	39.1	187	ND	8.93	6.5	1.32
AUGUST -2006	50.8	219	ND	6.60	5.6	1.79
SEPTEMBER-2006	42.0	210	0.48	13.20	2.9	1.56
OCTOBER -2006	42.0	204	ND	8.91	6.6	1.46
NOVEMBER -2006	33.0	239	0.18	8.30	6.7	1.40
DECEMBER -2006	36.2	167	ND	5.97	11.8	1.18
=====	=====	=====	=====	=====	=====	=====
Annual Average:	40.6	208	0.09	7	6.3	1.53

ND= Not Detected  
NA= Not Analyzed  
NS= Not Sampled

\* = Primary spectral line had negative interference; secondary wavelength used to determine these estimated concentrations. These are not used for annual averages.

MDL's listed are the maximum MDL for the year; any given value may reflect measurement with a lower MDL.

NORTH CITY WATER RECLAMATION PLANT  
(N01-PS\_INF) Pump Station 64 Influent - Annual Averages

From: 01-JAN-2006 To: 31-DEC-2006

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.4	3.9	.64	.55	.04	.1
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
JANUARY -2006	2.4	ND	1.89	96	93.7	42.5
FEBRUARY -2006	1.3	ND	ND	127	93.7	43.8
MARCH -2006	2.1	ND	1.55	113	71.6	34.8
APRIL -2006	1.6	ND	1.34	91	69.8	33.8
MAY -2006	4.2	ND	2.38	151	90.0	45.4
JUNE -2006	0.6	2.5	1.46	121	75.2	33.6
JULY -2006	3.0	ND	ND	128	74.3	32.8
AUGUST -2006	2.3	3.6	1.39	116	88.4	42.2
SEPTEMBER-2006	1.6	6.4	0.96	131	76.1	35.9
OCTOBER -2006	2.7	ND	0.76	125	74.2	35.8
NOVEMBER -2006	4.1	ND	ND	98	67.6	30.6
DECEMBER -2006	2.9	ND	ND	121	65.5	30.4
Annual Average:	2.4	1.0	0.98	118	78.3	36.8

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.3	1	7	.05	300	42
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2006	15.1	209	*	*	*	1120
FEBRUARY -2006	19.3	284	364	0.38	252	1160
MARCH -2006	13.9	196	*	*	*	1080
APRIL -2006	14.7	180	*	*	*	1040
MAY -2006	20.4	269	347	0.42	250	1040
JUNE -2006	17.4	184	*	*	*	1090
JULY -2006	17.8	196	*	*	*	1100
AUGUST -2006	19.2	242	329	0.39	236	1100
SEPTEMBER-2006	17.1	197	*	*	*	1030
OCTOBER -2006	20.7	273	268	0.36	217	1010
NOVEMBER -2006	17.9	175	*	*	*	991
DECEMBER -2006	19.2	175	*	*	*	994
Annual Average:	17.7	215	327	0.39	239	1062.9

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2006	ND
FEBRUARY -2006	0.002
MARCH -2006	ND
APRIL -2006	ND
MAY -2006	ND
JUNE -2006	ND
JULY -2006	ND
AUGUST -2006	ND
SEPTEMBER-2006	ND
OCTOBER -2006	ND
NOVEMBER -2006	ND
DECEMBER -2006	ND
Annual Average:	0.000

ND= Not Detected  
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(N01-PEN) Penasquitos Influent

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	6.6	1.02	.4	.0202	.04	1.10
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2006	1520	ND	2.04	109	ND	360
FEBRUARY -2006	1970	ND	2.44	113	ND	369
MARCH -2006	1420	ND	1.71	120	ND	371
APRIL -2006	1530	ND	1.82	92	ND	316
MAY -2006	NR	NR	NR	NR	NR	NR
JUNE -2006	NR	NR	NR	NR	NR	NR
JULY -2006	4120	ND	4.39	109	0.17	324
AUGUST -2006	1890	ND	1.93	90	0.04	339
SEPTEMBER-2006	2240	ND	1.87	110	0.11	408
OCTOBER- 2006	NR	NR	NR	NR	NR	NR
NOVEMBER -2006	NR	NR	NR	NR	NR	NR
DECEMBER -2006	NR	NR	NR	NR	NR	NR
Annual Average:	2100	ND	2.31	106	0.05	355

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.195	.19	.162	.393	.79	1.4
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2006	ND	2.1	0.62	93	2290	3.4
FEBRUARY -2006	ND	4.8	1.20	53	5100	9.3
MARCH -2006	ND	1.6	2.29	63	551	ND
APRIL -2006	ND	3.7	0.98	97	6300	3.0
MAY -2006	NR	NR	NR	NR	NR	NR
JUNE -2006	NR	NR	NR	NR	NR	NR
JULY -2006	ND	10.4	4.60	129	9960	3.7
AUGUST -2006	ND	15.1	1.73	89	11800	2.8
SEPTEMBER-2006	ND	17.7	5.29	86	15800	3.6
OCTOBER- 2006	NR	NR	NR	NR	NR	NR
NOVEMBER -2006	NR	NR	NR	NR	NR	NR
DECEMBER -2006	NR	NR	NR	NR	NR	NR
Annual Average:	ND	7.9	2.39	87	7400	3.7

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.001	.0494	.09	.122	.27	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2006	0.04	135	ND	10.20	8.1	1.46
FEBRUARY -2006	0.04	162	ND	3.63	10.5	1.57
MARCH -2006	0.04	87	0.19	10.30	10.3	1.62
APRIL -2006	0.03	126	0.56	8.15	9.7	1.30
MAY -2006	NR	NR	NR	NR	NR	NR
JUNE -2006	NR	NR	NR	NR	NR	NR
JULY -2006	0.03	564	0.11	8.93	36.5	1.35
AUGUST -2006	0.04	295	0.17	8.66	19.4	1.89
SEPTEMBER-2006	0.04	275	0.31	11.90	34.8	1.50
OCTOBER- 2006	NR	NR	NR	NR	NR	NR
NOVEMBER -2006	NR	NR	NR	NR	NR	NR
DECEMBER -2006	NR	NR	NR	NR	NR	NR
Annual Average:	0.04	235	0.19	8.82	18.5	1.53

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NS= Not Sampled  
NR= Not Required

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(N01-PEN) Penasquitos Influent

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.16	1.81	.48	.55	.034	.014
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
JANUARY -2006	1.55	ND	4.21	99	88.9	39.2
FEBRUARY -2006	ND	ND	4.10	142	71.5	33.2
MARCH -2006	2.41	ND	4.77	116	75.4	36.2
APRIL -2006	0.99	ND	4.46	119	62.6	30.6
MAY -2006	NR	NR	NR	NR	NR	NR
JUNE -2006	NR	NR	NR	NR	NR	NR
JULY -2006	0.92	3.8	5.95	144	63.7	27.5
AUGUST -2006	0.35	3.3	4.13	131	68.3	31.4
SEPTEMBER-2006	2.34	2.7	4.74	144	69.3	29.1
OCTOBER- 2006	NR	NR	NR	NR	NR	NR
NOVEMBER -2006	NR	NR	NR	NR	NR	NR
DECEMBER -2006	NR	NR	NR	NR	NR	NR
Annual Average:	1.22	1.4	4.62	128	71.4	32.5

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.04	.223	7	.05	9	42
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2006	18.3	176	NR	NR	NR	955
FEBRUARY -2006	19.0	183	209	0.4	223	904
MARCH -2006	14.7	207	NR	NR	NR	879
APRIL -2006	52.2	143	NR	NR	NR	839
MAY -2006	NR	NR	NR	NR	NR	NR
JUNE -2006	NR	NR	NR	NR	NR	876
JULY -2006	16.9	145	NR	NR	NR	858
AUGUST -2006	20.4	162	201	0.4	193	830
SEPTEMBER-2006	18.8	151	NR	NR	NR	801
OCTOBER- 2006	NR	NR	NR	NR	NR	NR
NOVEMBER -2006	NR	NR	NR	NR	NR	773
DECEMBER -2006	NR	NR	NR	NR	NR	772
Annual Average:	22.9	167	205	0.4	208	849

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2006	ND
FEBRUARY -2006	ND
MARCH -2006	ND
APRIL -2006	0.0029
MAY -2006	NR
JUNE -2006	NR
JULY -2006	ND
AUGUST -2006	ND
SEPTEMBER-2006	ND
OCTOBER -2006	NR
NOVEMBER -2006	NR
DECEMBER -2006	NR
Annual Average:	0.0004

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North City Water Reclamation Plant  
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Metals and Ions

Source:			N10-EFF	N10-EFF	N10-EFF	N10-EFF	N01-PS_INF
Date:			07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006	07-FEB-2006
Sample ID:	MDL	Units	P328061	P337929	P348625	P355718	P328051
=====	=====	=====	=====	=====	=====	=====	=====
Aluminum	6.6	UG/L	933	992	516	571	936
Antimony	1.02	UG/L	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	1.21	0.90	0.92	1.06	1.28
Barium	.02015	UG/L	96	64	74	75	110
Beryllium	.04	UG/L	ND	ND	ND	0.05	ND
Boron	1.101	UG/L	429	371	291	341	413
Cadmium	.1945	UG/L	ND	ND	ND	0.4	0.3
Chromium	.19	UG/L	3.04	1.32	2.44	0.38	2.20
Cobalt	.162	UG/L	1.07	0.97	1.45	0.22	.70
Copper	.3925	UG/L	66	91	67	76	75
Iron	.79	UG/L	1150	372	2720	382	35
Lead	1.4	UG/L	2	2	2	ND	3
Manganese	.0494	UG/L	216	176	179	185	245
Mercury	.09	UG/L	ND	ND	ND	ND	ND
Molybdenum	.122	UG/L	7	8	7	8	4
Nickel	.27	UG/L	8	5	8	6	8
Selenium	.28	UG/L	1.33	1.21	1.21	1.26	1.88
Silver	.16	UG/L	0.7	1.9	1.1	0.4	1.3
Thallium	1.806	UG/L	ND	ND	3	ND	ND
Vanadium	.48	UG/L	1	1	1	ND	ND
Zinc	.55	UG/L	72	73	61	66	127
Bromide	.1	MG/L	0.58	0.56	0.55	0.62	0.74
Chloride	7	MG/L	302	278	280	269	364
Fluoride	.05	MG/L	0.39	0.41	0.40	0.39	0.38
Nitrate	.04	MG/L	ND	ND	ND	ND	ND
Ortho Phosphate	.2	MG/L	7.50	8.30	6.26	8.69	9.31
Sulfate	9	MG/L	244	229	224	221	252
Calcium	.034	MG/L	82	79	81	71	94
Lithium	.001	MG/L	0.04	0.04	0.05	0.04	0.05
Magnesium	.014	MG/L	38	39	38	34	44
Potassium	.04	MG/L	18	21	20	19	19
Sodium	.223	MG/L	232	238	212	198	284
Calcium Hardness	.2	MG/L	206	198	203	178	234
Magnesium Hardness	.08	MG/L	157	162	157	142	180
Total Hardness	.22	MG/L	363	360	360	319	414
Cyanides, Total	.002	MG/L	ND	ND	ND	ND	0.002
Sulfides-Total	.18	MG/L	0.28	ND	1.53	ND	1.22
Total Kjeldahl Nitrogen	1.6	MG/L	42.6	47.8	36.5	43.6	48.6
Ammonia-N	.2	MG/L	30.3	34.2	28.5	35.0	32.7

ND= Not Detected  
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NR= Not Required

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Metals and Ions

Source:			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
Date:			09-MAY-2006	08-AUG-2006	03-OCT-2006	07-FEB-2006	08-AUG-2006
Sample ID:	MDL	Units	P337919	P348615	P355708	P328056	P348620
=====			=====	=====	=====	=====	=====
Aluminum	6.6	UG/L	1760	862	1340	1970	1890
Antimony	1.02	UG/L	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	1.17	1.31	1.79	2.44	1.93
Barium	.02015	UG/L	99	102	93	113	90
Beryllium	.04	UG/L	ND	ND	0.05	ND	0.04
Boron	1.101	UG/L	355	354	355	369	339
Cadmium	.1945	UG/L	ND	ND	0.2	ND	ND
Chromium	.19	UG/L	2.83	1.49	1.71	4.80	15.1
Cobalt	.162	UG/L	1.27	1.64	0.18	1.20	1.73
Copper	.3925	UG/L	142	122	105	53	89
Iron	.79	UG/L	793	702	745	5100	11800
Lead	1.4	UG/L	4	4	ND	9	3
Manganese	.0494	UG/L	196	219	204	162	295
Mercury	.09	UG/L	0.24	ND	ND	ND	0.17
Molybdenum	.122	UG/L	8	7	9	4	9
Nickel	.27	UG/L	7	6	7	11	19
Selenium	.28	UG/L	1.73	1.79	1.46	1.57	1.89
Silver	.16	UG/L	4.2	2.3	2.7	ND	0.4
Thallium	1.806	UG/L	ND	4	ND	ND	3
Vanadium	.48	UG/L	2	1	1	4	4
Zinc	.55	UG/L	151	116	125	142	131
Bromide	.1	MG/L	0.69	0.68	0.63	0.35	0.34
Chloride	7	MG/L	347	329	268	209	201
Fluoride	.05	MG/L	0.42	0.39	0.36	0.38	0.40
Nitrate	.04	MG/L	ND	0.14	ND	0.60	0.12
Ortho Phosphate	.2	MG/L	8.13	8.75	9.35	5.65	2.20
Sulfate	9	MG/L	250	236	217	223	193
Calcium	.034	MG/L	90	88	74	72	68
Lithium	.001	MG/L	0.04	0.05	0.04	0.04	0.04
Magnesium	.014	MG/L	45	42	36	33	31
Potassium	.04	MG/L	20	19	21	19	20
Sodium	.223	MG/L	269	242	273	183	162
Calcium Hardness	.2	MG/L	225	221	185	178	170
Magnesium Hardness	.08	MG/L	187	174	147	137	129
Total Hardness	.22	MG/L	412	395	333	315	300
Cyanides, Total	.002	MG/L	ND	ND	ND	ND	ND
Sulfides-Total	.18	MG/L	0.34	1.78	0.25	4.08	4.93
Total Kjeldahl Nitrogen	1.6	MG/L	50.8	43.0	49.7	46.4	36.8
Ammonia-N	.2	MG/L	37.2	32.5	34.7	32.9	28.0

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Metals and Ions

Source:			N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:			07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006
Sample ID:	MDL	Units	P328066	P337934	P348630	P355723
=====	=====	=====	=====	=====	=====	=====
Aluminum	6.6	UG/L	205	397	171	173
Antimony	1.02	UG/L	ND	ND	ND	ND
Arsenic	.4	UG/L	0.64	0.61	0.60	0.94
Barium	.02015	UG/L	67	44	39	51
Beryllium	.04	UG/L	ND	ND	ND	ND
Boron	1.101	UG/L	346	304	372	386
Cadmium	.1945	UG/L	ND	ND	ND	0.2
Chromium	.19	UG/L	1.09	0.34	0.63	ND
Cobalt	.162	UG/L	0.74	0.96	0.92	ND
Copper	.3925	UG/L	10	19	7	13
Iron	.79	UG/L	106	148	67	107
Lead	1.4	UG/L	ND	2	2	ND
Manganese	.0494	UG/L	126	126	153	99.7
Mercury	.09	UG/L	ND	ND	ND	ND
Molybdenum	.122	UG/L	6	6	5	7
Nickel	.27	UG/L	6	4	6	4
Selenium	.28	UG/L	0.93	0.85	0.83	0.55
Silver	.16	UG/L	0.4	ND	ND	ND
Thallium	1.806	UG/L	ND	ND	ND	ND
Vanadium	.48	UG/L	1	1	1	ND
Zinc	.55	UG/L	16	42	17	42
Bromide	.1	MG/L	ND	ND	ND	ND
Chloride	7	MG/L	259	335	253	262
Fluoride	.05	MG/L	0.41	0.43	0.44	0.45
Nitrate	.04	MG/L	40.8	35.7	36.9	38.0
Ortho Phosphate	.2	MG/L	3.89	5.84	2.43	6.20
Sulfate	9	MG/L	230	229	207	212
Calcium	.034	MG/L	77	76	68	63
Lithium	.001	MG/L	0.04	0.04	0.04	0.04
Magnesium	.014	MG/L	34	37	31	30
Potassium	.04	MG/L	14	18	16	16
Sodium	.223	MG/L	226	275	192	192
Calcium Hardness	.2	MG/L	193	189	169	158
Magnesium Hardness	.08	MG/L	140	153	129	124
Total Hardness	.22	MG/L	333	343	298	282
Cyanides, Total	.002	MG/L	0.004	0.019	0.015	0.010
Sulfides-Total	.18	MG/L	0.96	ND	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	ND	ND	ND	ND
Ammonia-N	.2	MG/L	ND	0.4	0.4	ND
Adjusted Sodium Adsorption		MG/L	5.6	6.6	4.8	5.2
Percent Sodium		PERCENT	58.3	62.1	56.8	58.0
Total Organic Carbon		MG/L	7.5	11.6	7.9	9.2

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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N10-EFF	07-FEB-2006	P328061	4.3 ± 1.7	14.5 ± 2.9
N10-EFF	09-MAY-2006	P337929	5.5 ± 1.6	16.4 ± 3.6
N10-EFF	08-AUG-2006	P348625	3.3 ± 1.6	12.8 ± 3.2
N10-EFF	03-OCT-2006	P355718	1.9 ± 1.3	13.7 ± 4.1
N01-PS_INF	07-FEB-2006	P328051	5.7 ± 1.5	13.1 ± 3.4
N01-PS_INF	09-MAY-2006	P337919	8.9 ± 1.6	12.8 ± 3.4
N01-PS_INF	08-AUG-2006	P348615	4.9 ± 1.6	14.8 ± 3.3
N01-PS_INF	03-OCT-2006	P355708	2.8 ± 1.3	13.7 ± 4.2
N01-PEN	07-FEB-2006	P328056	4.6 ± 1.6	14.6 ± 2.9
N01-PEN	08-AUG-2006	P348620	5.8 ± 1.8	15.1 ± 3.4
N34-REC WATER	07-FEB-2006	P328066	0.0 ± 0.9	7.8 ± 2.6
N34-REC WATER	09-MAY-2006	P337934	1.1 ± 0.7	7.3 ± 3.3
N34-REC WATER	08-AUG-2006	P348630	0.6 ± 0.7	10.0 ± 2.8
N34-REC WATER	03-OCT-2006	P355723	0.5 ± 0.7	14.5 ± 3.3

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Units in picocuries per Liter (pCi/L)

N10-EFF = Primary Effluent  
 N01-PS\_INF = North City Pump Station Influent (PS #64)  
 N01-PEN = Penasquitos Pump Station Influent  
 N34-REC WATER = Reclaimed Water

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Physical Parameters

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		07-FEB-2006	08-FEB-2006	09-MAY-2006	10-MAY-2006
Ammonia-N	.2 MG/L	32.7	NR	37.2	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	215	NR	216	NR
Hexane Extractable Material	1.4 MG/L	NR	32.8	NR	20.0
Chemical Oxygen Demand	22 MG/L	718	NR	337	NR
Conductivity	10 UMHOS/CM	1950	NR	1840	NR
MBAS (Surfactants)	.03 MG/L	8.9	NR	7.0	NR
pH (grab)	PH	NR	7.4	NR	7.1
pH (composite)	PH	7.5	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	279	NR	266	NR
Total Dissolved Solids	42 MG/L	1250	NR	1000	NR
Total Suspended Solids	1.6 MG/L	222	NR	320	NR
Volatile Suspended Solids	1.6 MG/L	184	NR	282	NR
Total Kjeldahl Nitrogen	1.6 MG/L	48.6	NR	50.8	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Turbidity	NTU	110	NR	140	NR

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		08-AUG-2006	09-AUG-2006	03-OCT-2006	04-OCT-2006
Ammonia-N	.2 MG/L	32.5	NR	34.7	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	195	NR	209	NR
Hexane Extractable Material	1.4 MG/L	NR	21.7	NR	29.7
Chemical Oxygen Demand	22 MG/L	508	NR	228	NR
Conductivity	10 UMHOS/CM	1940	NR	1730	NR
MBAS (Surfactants)	.03 MG/L	9.1	NR	9.6	NR
pH (grab)	PH	NR	7.3	NR	7.4
pH (composite)	PH	7.4	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	260	NR	314	NR
Total Dissolved Solids	42 MG/L	1240	NR	1060	NR
Total Suspended Solids	1.6 MG/L	176	NR	230	NR
Volatile Suspended Solids	1.6 MG/L	166	NR	204	NR
Total Kjeldahl Nitrogen	1.6 MG/L	43.0	NR	49.7	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Turbidity	NTU	99.0	NR	130	NR

NA= Not Analyzed  
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Physical Parameters

Analytes	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			07-FEB-2006	08-FEB-2006	08-AUG-2006	09-AUG-2006
Ammonia-N	.2	MG/L	32.9	NR	28.0	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	208	NR	169	NR
Hexane Extractable Material	1.4	MG/L	NR	67.8	NR	61.9
Chemical Oxygen Demand	22	MG/L	185	NR	524	NR
Conductivity	10	UMHOS/CM	1570	NR	1480	NR
MBAS (Surfactants)	.03	MG/L	8.7	NR	10.0	NR
pH (grab)		PH	NR	7.3	NR	7.2
pH (composite)		PH	7.5	NR	7.3	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	277	NR	245	NR
Total Dissolved Solids	42	MG/L	924	NR	872	NR
Total Suspended Solids	1.6	MG/L	216	NR	173	NR
Volatile Suspended Solids	1.6	MG/L	164	NR	147	NR
Total Kjeldahl Nitrogen	1.6	MG/L	46.4	NR	36.8	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	110	NR	87.0	NR

Analytes	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			07-FEB-2006	08-FEB-2006	09-MAY-2006	10-MAY-2006
Ammonia-N	.2	MG/L	30.3	NR	34.2	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	146	NR	130	NR
Hexane Extractable Material	1.4	MG/L	NR	32.4	NR	29.9
Chemical Oxygen Demand	22	MG/L	256	NR	180	NR
Conductivity	10	UMHOS/CM	1890	NR	1860	NR
MBAS (Surfactants)	.03	MG/L	9.0	NR	9.7	NR
pH (grab)		PH	NR	7.4	NR	7.2
pH (composite)		PH	7.6	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	266	NR	258	NR
Total Dissolved Solids	42	MG/L	1140	NR	1070	NR
Total Suspended Solids	1.6	MG/L	71.0	NR	72.0	NR
Volatile Suspended Solids	1.6	MG/L	58.0	NR	59.0	NR
Total Kjeldahl Nitrogen	1.6	MG/L	42.6	NR	47.8	NR
Total Organic Carbon		MG/L	NR	NR	NR	NR
Turbidity		NTU	69.0	NR	82.0	NR

NA= Not Analyzed  
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Physical Parameters

Analytes	MDL Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
		08-AUG-2006	09-AUG-2006	03-OCT-2006	04-OCT-2006
Ammonia-N	.2 MG/L	28.5	NR	35.0	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	134	NR	137	NR
Hexane Extractable Material	1.4 MG/L	NR	31.5	NR	30.7
Chemical Oxygen Demand	22 MG/L	313	NR	223	NR
Conductivity	10 UMHOS/CM	1770	NR	1560	NR
MBAS (Surfactants)	.03 MG/L	8.1	NR	8.4	NR
pH (grab)	PH	NR	7.4	NR	7.3
pH (composite)	PH	7.5	NR	7.5	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	250	NR	262	NR
Total Dissolved Solids	42 MG/L	1090	NR	1030	NR
Total Suspended Solids	1.6 MG/L	72.0	NR	66.0	NR
Volatile Suspended Solids	1.6 MG/L	66.0	NR	64.0	NR
Total Kjeldahl Nitrogen	1.6 MG/L	36.5	NR	43.6	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Turbidity	NTU	62.0	NR	120	NR

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		07-FEB-2006	08-FEB-2006	09-MAY-2006	10-MAY-2006
Ammonia-N	.2 MG/L	ND	NR	0.4	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	ND	NR
Hexane Extractable Material	1.4 MG/L	NR	2.0	NR	3.4
Chemical Oxygen Demand	22 MG/L	70	NR	ND	NR
Conductivity	10 UMHOS/CM	1630	NR	1860	NR
MBAS (Surfactants)	.03 MG/L	0.1	NR	0.3	NR
pH (grab)	PH	NR	7.3	NR	7.0
pH (composite)	PH	7.5	NR	7.4	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	120	NR	138	NR
Total Dissolved Solids	42 MG/L	972	NR	1170	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	ND	NR	ND	NR
Total Organic Carbon	MG/L	7.5	NR	11.6	NR
Turbidity	NTU	1.3	NR	2.0	NR

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

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Physical Parameters

Analytes	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			08-AUG-2006	09-AUG-2006	03-OCT-2006	04-OCT-2006
Ammonia-N	.2	MG/L	0.4	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	ND	NR	ND	NR
Hexane Extractable Material	1.4	MG/L	NR	ND	NR	ND
Chemical Oxygen Demand	22	MG/L	39	NR	28	NR
Conductivity	10	UMHOS/CM	1490	NR	1410	NR
MBAS (Surfactants)	.03	MG/L	0.2	NR	0.2	NR
pH (grab)		PH	NR	6.9	NR	7.2
pH (composite)		PH	7.6	NR	7.3	NR
Total Alkalinity (bicarbonate)	1.5	MG/L	118	NR	122	NR
Total Dissolved Solids	42	MG/L	1010	NR	992	NR
Total Suspended Solids	1.6	MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6	MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6	MG/L	ND	NR	ND	NR
Total Organic Carbon		MG/L	7.9	NR	9.2	NR
Turbidity		NTU	1.4	NR	1.4	NR

NA= Not Analyzed  
ND= Not Detected  
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Organo-Tins

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006	07-FEB-2006
			P328051	P337919	P348615	P355708	P328056
Tributyl tin	2	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	7	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			08-AUG-2006	07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006
			P348620	P328061	P337929	P348625	P355718
Tributyl tin	2	UG/L	ND	ND	ND	ND	ND
Dibutyl tin	7	UG/L	ND	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006
			P328066	P337934	P348630	P355723
Tributyl tin	2	UG/L	ND	ND	ND	ND
Dibutyl tin	7	UG/L	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND

NA= Not Analyzed  
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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			07-FEB-2006 P328051	09-MAY-2006 P337919	08-AUG-2006 P348615	03-OCT-2006 P355708	07-FEB-2006 P328056
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	19	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	19	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	19	0	0	0

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

North City Water Reclamation Plant  
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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			08-AUG-2006 P348620	07-FEB-2006 P328061	09-MAY-2006 P337929	08-AUG-2006 P348625	03-OCT-2006 P355718
Aldrin	60	NG/L	ND	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	14	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	14	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	14	0	0	0	0

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required



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Chlorinated Pesticides

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			07-FEB-2006 P328066	09-MAY-2006 P337934	08-AUG-2006 P348630	03-OCT-2006 P355723
Aldrin	60	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND
Oxychlordane	20	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	4000	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	2000	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			07-FEB-2006 P328051	09-MAY-2006 P337919	08-AUG-2006 P348615	03-OCT-2006 P355708	07-FEB-2006 P328056
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	8.0	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	10.9	18.8*	30.7*	ND**	26.4
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	18.9	0.0	0.0	0.0	26.4

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed    ND= Not Detected    NR= Not Required

\* =Contamination from methylene chloride purchased from Fisher; solvent has been discontinued from use.

\*\*= Bis(2-ethylhexyl)phthalate was detected in the blank of this batch at a level just above the detection limit. It is suspected that a source within the laboratory contributed this compound in this batch.

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			08-AUG-2006 P348620	07-FEB-2006 P328061	09-MAY-2006 P337929	08-AUG-2006 P348625	03-OCT-2006 P355718
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	25.1*	ND	67*	29*	ND**
Benzidine	1.02	UG/L	ND	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	0.0	0.0	0.0

Additional Analytes Determined

1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected NR= Not Required

\* =Contamination from methylene chloride purchased from Fisher; solvent has been discontinued from use.

\*\*= Bis(2-ethylhexyl)phthalate was detected in the blank of this batch at a level just above the detection limit. It is suspected that a source within the laboratory contributed this compound in this batch.

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Base/Neutral Compounds

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			07-FEB-2006 P328066	09-MAY-2006 P337934	08-AUG-2006 P348630	03-OCT-2006 P355723
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	22.7	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	17.9*	41.4*	17.3**
Benzidine	1.02	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	22.7	0.0	0.0	17.3

Additional Analytes Determined

1- methyl-naphthalene	2.18	UG/L	ND	ND	ND	ND
2-methyl-naphthalene	2.25	UG/L	ND	ND	ND	ND
2,6-dimethyl-naphthalene	3.31	UG/L	ND	ND	ND	ND
2,3,5-trimethyl-naphthalene	4.4	UG/L	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected NR= Not Required

\* =Contamination from methylene chloride purchased from Fisher; solvent has been discontinued from use.

\*\*= Bis(2-ethylhexyl)phthalate was detected in the blank of this batch at a level just above the detection limit. It is suspected that a source within the laboratory contributed this compound in this batch.

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N01-PS_INF	N10-EFF	N10-EFF
		09-MAY-2006 P337919	03-OCT-2006 P355708	09-MAY-2006 P337929	03-OCT-2006 P355718
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.000	0.000	0.000	0.000
Demeton -O, -S	.15 UG/L	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.3 UG/L	0.000	0.000	0.000	0.000
Tetraethylpyrophosphate	UG/L	NA	NA	NA	NA
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	ND	ND	ND
Ethoprop	.04 UG/L	ND	ND	ND	ND
Phorate	.04 UG/L	ND	ND	ND	ND
Sulfotepp	.04 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Monocrotophos	UG/L	NA	NA	NA	NA
Dimethoate	.04 UG/L	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	ND	ND	ND
Trichloronate	.04 UG/L	ND	ND	ND	ND
Merphos	.09 UG/L	ND	ND	ND	ND
Dichlofenthion	.03 UG/L	ND	ND	ND	ND
Tokuthion	.06 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	ND	ND	ND
Fensulfothion	.07 UG/L	ND	ND	ND	ND
EPN	.09 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

NA= Not Analyzed  
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Organophosphorous Pesticides

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER
			09-MAY-2006 P337934	03-OCT-2006 P355723
Demeton O	.15	UG/L	ND	ND
Demeton S	.08	UG/L	ND	ND
Diazinon	.03	UG/L	ND	ND
Guthion	.15	UG/L	ND	ND
Malathion	.03	UG/L	ND	ND
Parathion	.03	UG/L	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.000	0.000
Demeton -O, -S	.15	UG/L	0.000	0.000
Total Organophosphorus Pesticides	.3	UG/L	0.000	0.000
Tetraethylpyrophosphate		UG/L	NA	NA
Dichlorvos	.05	UG/L	ND	ND
Dibrom	.2	UG/L	ND	ND
Ethoprop	.04	UG/L	ND	ND
Phorate	.04	UG/L	ND	ND
Sulfotepp	.04	UG/L	ND	ND
Disulfoton	.02	UG/L	ND	ND
Monocrotophos		UG/L	NA	NA
Dimethoate	.04	UG/L	ND	ND
Ronnel	.03	UG/L	ND	ND
Trichloronate	.04	UG/L	ND	ND
Merphos	.09	UG/L	ND	ND
Dichlofenthion	.03	UG/L	ND	ND
Tokuthion	.06	UG/L	ND	ND
Stirophos	.03	UG/L	ND	ND
Bolstar	.07	UG/L	ND	ND
Fensulfothion	.07	UG/L	ND	ND
EPN	.09	UG/L	ND	ND
Coumaphos	.15	UG/L	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND
Chlorpyrifos	.03	UG/L	ND	ND

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:	MDL Units	07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006
		P328051	P337919	P348615	P355708
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N01-PEN	N01-PEN	N10-EFF	N10-EFF
Date:	MDL Units	07-FEB-2006	08-AUG-2006	07-FEB-2006	09-MAY-2006
		P328056	P348620	P328061	P337929
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N10-EFF	N10-EFF	N34-REC WATER	N34-REC WATER
Date:	MDL Units	08-AUG-2006	03-OCT-2006	07-FEB-2006	09-MAY-2006
		P348625	P355718	P328066	P337934
3,3-dichlorobenzidine	2.43 UG/L	ND	ND	ND	ND
Benzidine	1.02 UG/L	ND	ND	ND	ND

Source:		N34-REC WATER	N34-REC WATER
Date:	MDL Units	08-AUG-2006	03-OCT-2006
		P348630	P355723
3,3-dichlorobenzidine	2.43 UG/L	ND	ND
Benzidine	1.02 UG/L	ND	ND

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			07-FEB-2006	09-MAY-2006	08-AUG-2006	03-OCT-2006
			P328051	P337919	P348615	P355708
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	20.7	22.1	9.50	15.1
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	20.7	22.1	9.50	15.1
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	20.7	22.1	9.50	15.1
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	59.2	40.0	27.6	34.6
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N10-EFF	N10-EFF
			07-FEB-2006	08-AUG-2006	07-FEB-2006	09-MAY-2006
			P328056	P348620	P328061	P337929
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	11.5	3.40	28.0	41.5
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	11.5	3.40	28.0	41.5
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	11.5	3.40	28.0	41.5
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	41.3	7.80	39.9	29.9
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

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Phenolic Compounds

Analyte	MDL	Units	N10-EFF	N10-EFF	N34-REC WATER	N34-REC WATER
			08-AUG-2006	03-OCT-2006	07-FEB-2006	09-MAY-2006
			P348625	P355718	P328066	P337934
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	6.70	14.6	ND	ND
=====						
Total Non-Chlorinated Phenols	6.07	UG/L	6.70	14.6	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	6.07	UG/L	6.70	14.6	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	16.5	32.0	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER
			08-AUG-2006	03-OCT-2006
			P348630	P355723
2,4,6-trichlorophenol	1.75	UG/L	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND
Phenol	2.53	UG/L	ND	ND
=====				
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00
=====				
Phenols	6.07	UG/L	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND

NA= Not Analyzed  
ND= Not Detected  
NR= Not Required

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PEN
			08-FEB-2006 P328054	10-MAY-2006 P337922	09-AUG-2006 P348618	04-OCT-2006 P355711	08-FEB-2006 P328059
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	2.0	ND	1.8	1.4	1.9
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	8.9	80.9	9.5	23.8	3.3
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	1.2	1.9	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	1.4	1.5	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	1.2
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	1.1	6.7	2.2	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	2.6	3.4	0.0	0.0	0.0
Purgeable Compounds	13.8	UG/L	14.6	91.0	13.5	25.2	6.4
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	9.1	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	1840	2340	919	518	385
Carbon disulfide	1	UG/L	1.1	1.3	3.2	2.4	2.2
2-butanone	4	UG/L	8.1	8.3	5.3	5.0	9.1
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	1.3	1.1	ND	ND	1.7

ND= not detected  
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NS= not sampled

North City Water Reclamation Plant  
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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N01-PEN	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			09-AUG-2006 P348623	08-FEB-2006 P328064	10-MAY-2006 P337932	09-AUG-2006 P348628	04-OCT-2006 P355721
Chloromethane	1	UG/L	ND	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.5	2.4	1.1	2.1	1.9
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND	ND
Chloroform	1	UG/L	3.8	5.4	43.6	6.1	20.2
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	1.1	1.4	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	1.1	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND	ND
Toluene	1	UG/L	ND	1.6	1.0	1.3	1.1
Ethylbenzene	1	UG/L	ND	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	2.2	1.4	0.0	0.0
Purgeable Compounds	13.8	UG/L	5.3	11.6	47.1	9.5	23.2
Allyl chloride	1	UG/L	ND	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND	ND
Additional Purgeable Compounds determined, not in permit.							
Styrene	4.7	UG/L	ND	ND	ND	ND	11.3
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND	ND
Acetone	20	UG/L	160	1180	1370	697	969
Carbon disulfide	1	UG/L	5.0	3.2	8.8	3.2	3.4
2-butanone	4	UG/L	5.9	9.8	14.9	5.9	4.9
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	1.1	ND	ND	ND	ND

ND= not detected  
NA= not analyzed  
NS= not sampled

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Priority Pollutants Purgeable Compounds, EPA Method 624

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			08-FEB-2006 P328069	10-MAY-2006 P337937	09-AUG-2006 P348633	04-OCT-2006 P355726
Chloromethane	1	UG/L	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND
Methylene chloride	1	UG/L	1.4	ND	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND
Chloroform	1	UG/L	52.2	104	74.7	ND
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	43.7	68.0	56.2	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	32.2	32.2	33.2	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND
Bromoform	1	UG/L	4.2	2.9	3.1	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	80.1	103	92.5	0.0
Purgeable Compounds	13.8	UG/L	134	207	167	0.0
Allyl chloride	1	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND

Additional Purgeable Compounds determined, not in permit.

Styrene	4.7	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND
Methyl Iodide	1	UG/L	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND	ND
Carbon disulfide	1	UG/L	ND	<1.0	ND	ND
2-butanone	4	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	ND	ND	ND

ND= not detected  
NA= not analyzed  
NS= not sampled