



THE CITY OF SAN DIEGO

# NORTH CITY WATER RECLAMATION PLANT

## ANNUAL MONITORING REPORT 2011

(SDRWQCB Order No. 97-03)



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







## THE CITY OF SAN DIEGO

January 30, 2011

Mr. David W. Gibson, 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. Gibson:

Enclosed is the Annual Monitoring report for 2011 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.

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,

Y:\EMTS\41.Sections\WCS\REPORTS\NCWRP\Annuals\Annual2011\Annual\_NC\_11.docx



**Environmental Monitoring and Technical Services Division • Public Utilities**

2392 Kincaid Road • San Diego, CA 92101-0811

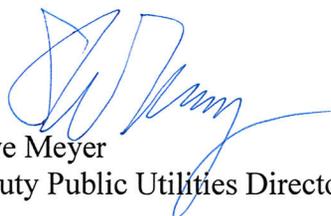
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Mr. David W. Gibson, Executive Officer  
January 30, 2011

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,



Steve Meyer  
Deputy Public Utilities Director

SWM/bb

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cc: Roger S. Baily, Director of Public Utilities  
Ann Sasaki, Assitant Public Utilities Director, Wastewater Operations Branch  
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 operational data and background analyses.

**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	PLE	PLE	PLR	PLR	PLR
			10-MAR-1998	27-APR-1998	10-SEP-1998	10-MAR-1998	27-APR-1998	10-SEP-1998
			0311980006	0428980006	9809107494	0311980007	0428980007	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.

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)668-3212  
**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  
**Totals of Organic Carbon, Nitrogen, and Phosphorus in Wastewater**

City of San Diego - Marine Microbiology and Vector Management (EPA LabCode: CA01393, ELAP Certificate: 2185)  
2392 Kincaid Road  
San Diego, CA 92101  
(619)758-2312  
**Microbiology**

Test America Richland (EPA Lab Code: WA00023,  
ELAP Certificate: 2425)  
2800 George Washington Way  
Richland, WA 99354-1613  
(509)375-3131  
**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:

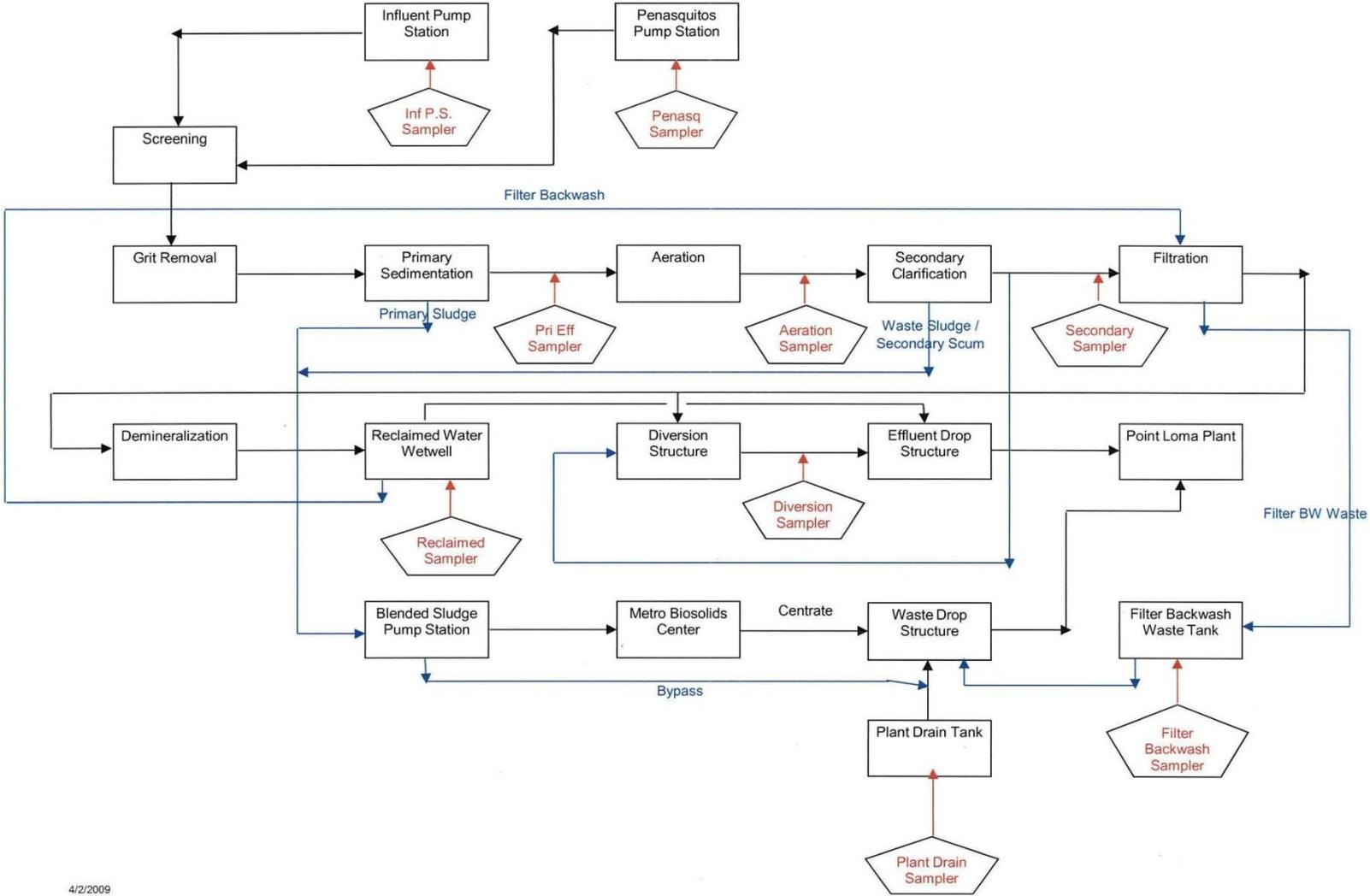
North City Water Reclamation Plant Source Codes

N01-PEN	Penasquitos Influent Pump Station
N01 PS_INF	Pump Station 64 Influent
N30-DFE	Disinfected Final Effluent
N15 AE	Aeration Effluent
N34 REC WATER	Compliance point . Reclaimed water distributed to customers, downstream of EDR unit.
N25 FES	Filter Effluent Structure
N10 EFF	Primary Effluent
N10-PSP COMB	Combined Primary Sludge Pump
N15-WAS HCP	Waste Activated Sludge (High Capacity Pump)
N15-WAS LCP	Waste Activated Sludge (Low Capacity Pump)

# North City Water Reclamation Plant Operator Certification

<u>Name</u>	<u>Grade</u>	<u>Cert. No.</u>	<u>Expiration Date</u>
<u>North City Plant Superintendent</u>			
Molas, Ernesto	V	V-7227	12/31/2013
<u>North City Sr. Operations Supervisor</u>			
Pruett, Sam	V	V-7791	06/30/2013
<u>North City Operations Supervisors</u>			
Cozad, John	III	III-7138	12/31/2013
Relph, Robert	III	III-6742	12/31/2012
Quigley	IV	IV-7837	12/31/2012
<u>North City Operators</u>			
Castillo, Jose	III	III-9849	06/30/2013
Jacques, Richie	III	III-27921	06/30/2012
Saulog, Noel	II	II-10299	12/31/2012
Daniel Bois	II	II-5678	06/30/2012
Michael A. Duhamel	II	II-9444	06/30/2012
Gabriel L. Duresseau	II	II-28294	06/30/2012
<u>North City Operators in Training</u>			
Jesse A. Bartlett-May	OIT I	NA	12/31/2012
Michelle P. Berrens	OIT I	NA	12/31/2012
James F. Decarolis	OIT I	NA	12/31/2012

# NCWRP Sampling Schematic



4/2/2009

NORTH CITY WATER RECLAMATION PLANT  
2011 Flows

Monthly Totals

Month	Penas- quitos Influent (MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Disinfect Final Effluent (MGD)	Reclaim Water (MGD)	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)	Total Sludge Flow to MBC (MGD)
01	120.6	594.1	19.2	48.9	62.1	593.71	127.70	722.84	26.87	.00	8.81	4.13	32.73
02	77.6	551.8	26.2	39.8	76.0	481.62	129.54	647.39	23.79	3.84	5.68	4.16	30.47
03	266.9	455.7	19.4	36.3	65.8	596.55	119.30	718.57	28.56	1.38	6.33	2.97	35.39
04	250.6	453.2	20.2	47.3	125.1	475.46	183.91	691.50	25.08	.00	6.99	4.95	33.52
05	229.4	295.8	13.1	33.0	184.4	278.76	234.22	510.48	19.37	.00	5.89	6.02	25.42
06	177.3	328.9	28.7	29.5	204.7	190.40	254.31	471.58	18.29	.00	4.69	9.25	23.18
07	267.1	260.3	29.7	34.6	284.2	130.67	331.02	479.79	21.19	.00	4.04	9.48	22.17
08	266.3	264.6	41.3	36.3	290.3	100.52	337.88	480.48	22.66	1.70	4.85	9.94	20.38
09	212.7	282.5	30.7	33.9	216.2	179.50	268.95	462.87	22.86	.38	4.48	8.96	23.57
10	239.2	273.9	25.1	34.0	172.3	225.65	216.08	480.51	23.72	.00	4.65	6.83	28.69
11	232.4	247.7	25.1	32.3	70.9	333.79	119.78	467.28	23.06	.20	4.51	3.42	26.38
12	229.3	258.1	22.6	33.7	79.3	323.64	126.39	481.28	22.99	.00	4.65	3.47	26.82
Average	214.1	355.5	25.1	36.6	152.6	325.86	204.09	551.21	23.20	.63	5.46	6.13	27.39
Total	2569.4	4266.5	301.2	439.5	1831.4	3910.27	2449.08	6614.57	278.44	7.50	65.57	73.58	328.72

Daily Averages

Month	Penas- quitos Influent (MGD)	Pump 64 Influent (MGD)	Plant Drain Influent (MGD)	Disinfect Final Effluent (MGD)	Reclaim Water (MGD)	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)	Total Sludge Flow to MBC (MGD)
01	3.9	19.2	.6	1.6	2.0	19.15	4.12	23.32	.87	.00	.28	.13	1.06
02	2.8	19.7	.9	1.4	2.7	17.20	4.63	23.12	.85	.14	.20	.15	1.09
03	8.6	14.7	.6	1.2	2.1	19.24	3.85	23.18	.92	.04	.20	.10	1.14
04	8.4	15.1	.7	1.6	4.2	15.85	6.13	23.05	.84	.00	.23	.17	1.12
05	7.4	9.5	.4	1.1	5.9	8.99	7.56	16.47	.62	.00	.19	.19	.82
06	5.9	11.0	1.0	1.0	6.8	6.35	8.48	15.72	.61	.00	.16	.31	.77
07	8.6	8.4	1.0	1.1	9.2	4.22	10.68	15.48	.68	.00	.13	.31	.72
08	8.6	8.5	1.3	1.2	9.4	3.24	10.90	15.50	.73	.05	.16	.32	.66
09	7.1	9.4	1.0	1.1	7.2	5.98	8.97	15.43	.76	.01	.15	.30	.79
10	7.7	8.8	.8	1.1	5.6	7.28	6.97	15.50	.77	.00	.15	.22	.93
11	7.7	8.3	.8	1.1	2.4	11.13	3.99	15.58	.77	.01	.15	.11	.88
12	7.4	8.3	.7	1.1	2.6	10.44	4.08	15.53	.74	.00	.15	.11	.87
Average	7.0	11.7	.8	1.2	5.0	10.76	6.69	18.16	.76	.02	.18	.20	.90

North City Water Reclamation Plant			
(N34-REC WATER) Recycled Water Chlorine Report			
N34-REC WATER is compliance point for reclaimed water			
	Minimum Daily <sup>1</sup>	Maximum Daily <sup>2</sup>	Time <sup>3</sup>
OperationNA 2011	Chlorine Residual	Chlorine Residual	CT less than
Date	(mg/L)	(mg/L)	450 mg-min/l (min)
Jan	4.55	12.33	0
Feb	4.01	11.73	0
Mar	5.34	9.28	0
Apr	3.67	8.01	0
May	4.33	8.25	0
Jun	3.30	8.98	0
Jul	5.01	7.92	0
Aug	4.86	8.46	0
Sep	5.03	9.34	0
Oct	5.31	7.51	0
Nov	4.60	7.42	0
Dec	3.91	5.99	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**

OperationNA 2011 Date	Tot. Coliform (7-day median) (MPN)
Jan	<1.8
Feb	<1.8
Mar	<1.8
Apr	<1.8
May	<1.8
Jun	<1.8
Jul	<1.8
Aug	<1.8
Sep	<1.8
Oct	<1.8
Nov	<1.8
Dec	<1.8

**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 2011	Turbidity	Turbidity	Turbidity	5 NTU's
Date	(NTU)	(NTU)	(NTU)	(MINUTES)
Jan	0.23	0.20	0.35	0.00
Feb	0.42	0.35	1.41	0.00
Mar	0.27	0.23	0.45	0.00
Apr	0.23	0.19	0.76	0.00
May	0.29	0.25	0.55	0.00
Jun	0.42	0.37	0.76	0.00
Jul	0.29	0.23	1.07	0.00
Aug	0.24	0.20	0.91	0.00
Sep	0.21	0.18	0.60	0.00
Oct	0.17	0.15	0.47	0.00
Nov	0.15	0.12	0.28	0.00
Dec	0.14	0.13	0.27	0.00
<b>Average:</b>	<b>0.25</b>		<b>Total:</b>	<b>0.00</b>

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.

4 Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25A11673) or (N25A11674), located at meter room of Area 25 (Tertiary Filter Structures)

NORTH CITY WATER RECLAMATION PLANT  
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(N34-REC) Reclaimed Water - Daily Parameters

Analyte:	Biochemical Oxygen Demand	Total Dissolved Solids	Total Suspended Solids	Volatile Suspended Solids	pH Grab (pH)
Units:	MG/L	MG/L	MG/L	MG/L	
MDL:	2	28	1.4	1.6	
=====	=====	=====	=====	=====	=====
JANUARY -2011	ND	881	ND	ND	6.87
FEBRUARY -2011	ND	839	<1.4	ND	6.87
MARCH -2011	ND	873	ND	ND	6.87
APRIL -2011	ND	899	ND	ND	6.94
MAY -2011	<2	898	ND	ND	6.91
JUNE -2011	<2	880	ND	ND	6.94
JULY -2011	ND	883	ND	ND	6.97
AUGUST -2011	ND	842	ND	ND	7.00
SEPTEMBER-2011	ND	829	ND	ND	7.02
OCTOBER -2011	ND	767	ND	ND	6.96
NOVEMBER -2011	<2	698	ND	ND	6.95
DECEMBER -2011	ND	670	ND	<1.6	6.91
=====	=====	=====	=====	=====	=====
Average:	0	830	0	0	6.93
=====	=====	=====	=====	=====	=====
Maximum:	0	899	0	0	7.02
=====	=====	=====	=====	=====	=====
Minimum:	0	670	0	0	6.87

(N01-PS-INF) Pump Station 64 Influent - Daily Parameters

Analyte:	Biochemical Oxygen Demand	Total Dissolved Solids	Total Suspended Solids	Volatile Suspended Solids	Turbidity (NTU)	pH COMPOSITE (pH)
Units:	(mg/L)	(mg/L)	(mg/L)	(mg/L)		
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	222	1050	210	187	116	7.43
FEBRUARY -2011	215	967	226	202	123	7.48
MARCH -2011	216	1060	210	188	118	7.47
APRIL -2011	221	1070	206	183	120	7.51
MAY -2011	232	1090	224	202	139	7.58
JUNE -2011	258	1080	242	218	146	7.53
JULY -2011	247	1050	237	213	145	7.59
AUGUST -2011	272	1000	246	221	147	7.64
SEPTEMBER-2011	253	1010	232	208	140	7.61
OCTOBER -2011	256	969	225	203	142	7.61
NOVEMBER -2011	245	923	218	197	123	7.55
DECEMBER -2011	241	939	211	192	121	7.50
=====	=====	=====	=====	=====	=====	=====
Average:	240	1017	224	201	132	7.54
=====	=====	=====	=====	=====	=====	=====
Maximum:	272	1090	246	221	147	7.64
=====	=====	=====	=====	=====	=====	=====
Minimum:	215	923	206	183	116	7.43

All samples are 24-hour composite.  
 NA= Not Analyzed  
 NS= Not Sampled  
 ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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(N01-PEN) Penasquitos Pump Station Influent - Daily Parameters

Analyte:	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Turbidity (NTU)	pH COMPOSITE (pH)
JANUARY -2011	237	949	311	266	129	7.48
FEBRUARY -2011	196	836	309	255	177	7.39
MARCH -2011	219	910	323	279	142	7.47
APRIL -2011	234	910	316	269	146	7.46
MAY -2011	240	870	299	255	148	7.52
JUNE -2011	239	850	331	280	153	7.55
JULY -2011	231	803	325	270	148	7.60
AUGUST -2011	263	766	327	269	151	7.61
SEPTEMBER-2011	221	731	311	260	131	7.59
OCTOBER -2011	249	690	297	248	132	7.57
NOVEMBER -2011	273	698	362	306	136	7.56
DECEMBER -2011	265	747	327	282	128	7.52
Average:	239	813	320	270	143	7.53
Maximum:	273	949	362	306	177	7.61
Minimum:	196	690	297	248	128	7.39

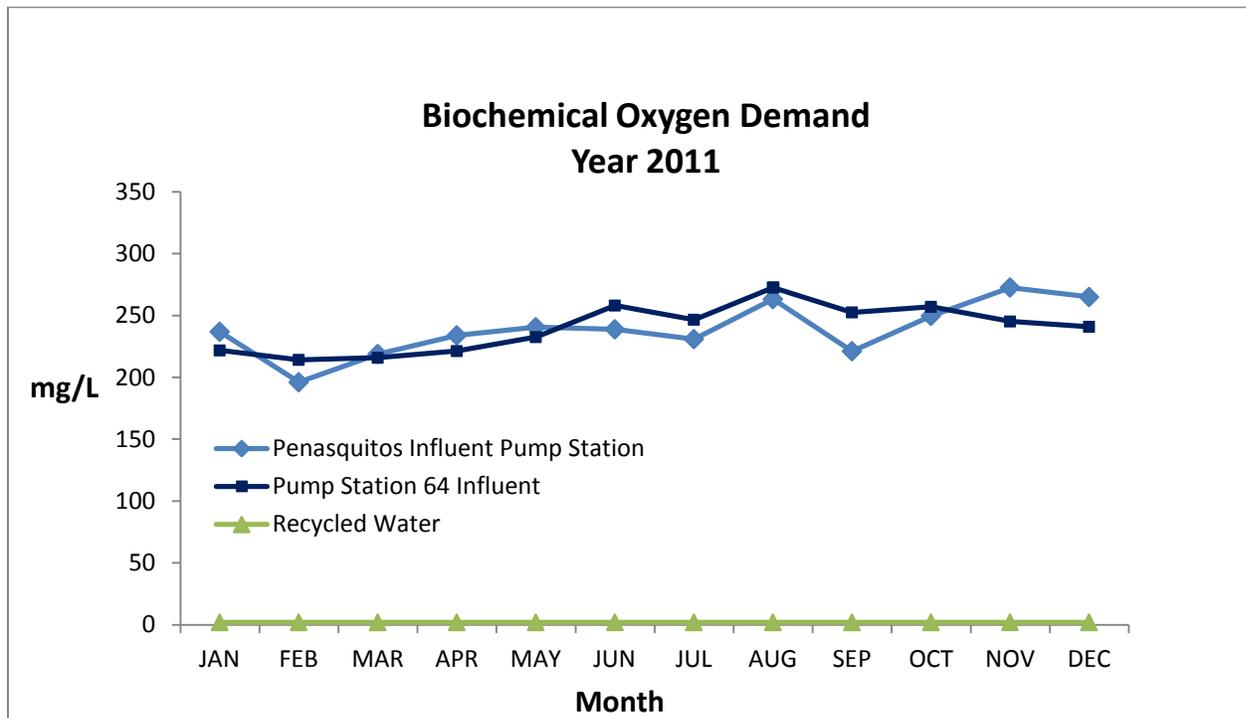
All samples are 24-hour composite.

NA= Not Analyzed

NS= Not Sampled

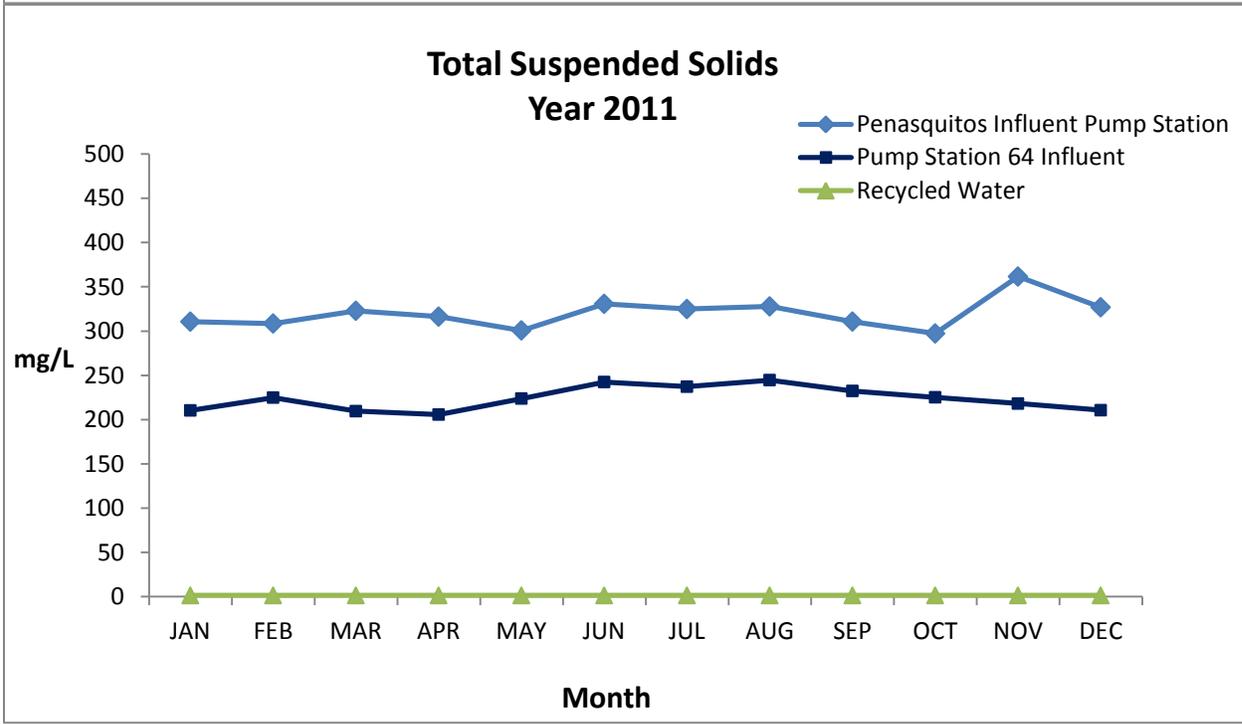
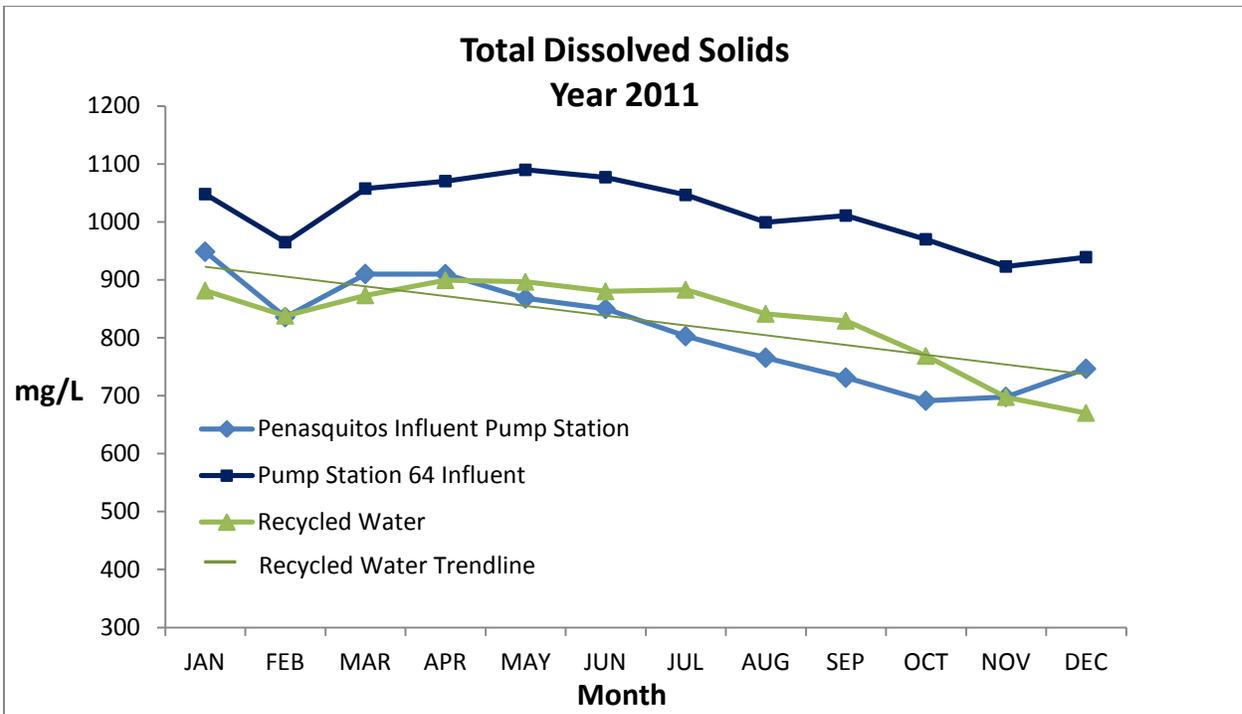
ND= Not Detected

2011



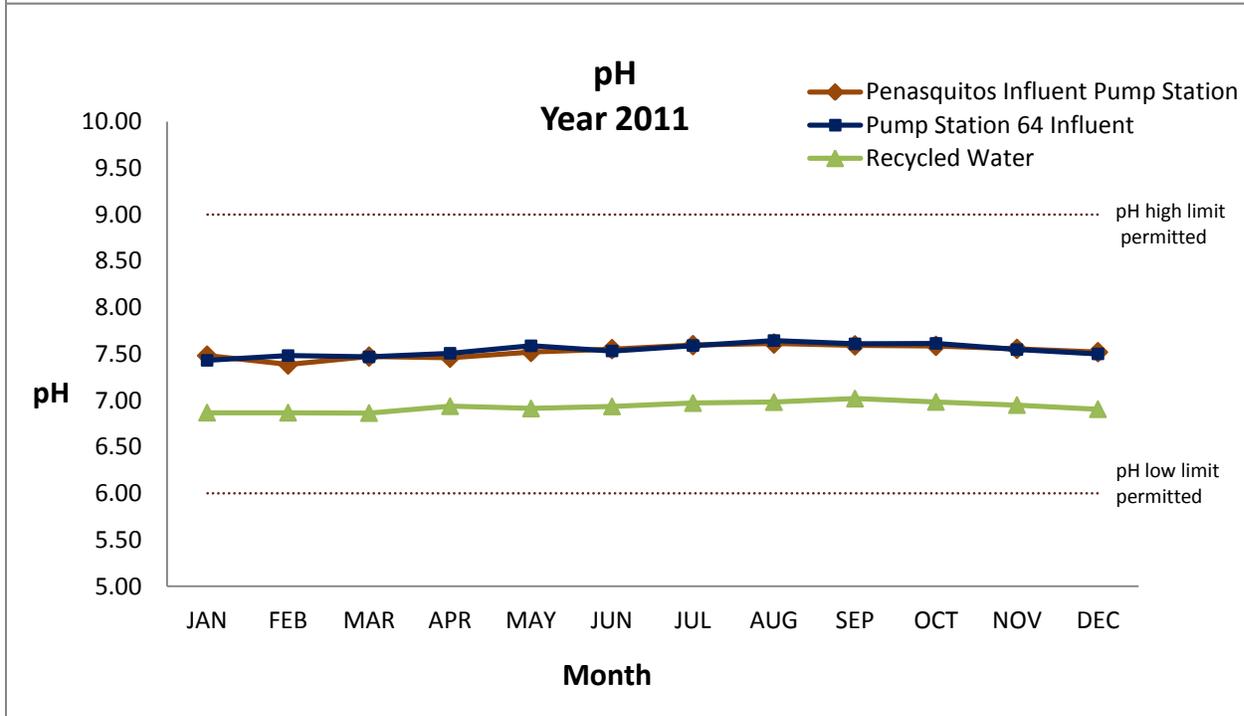
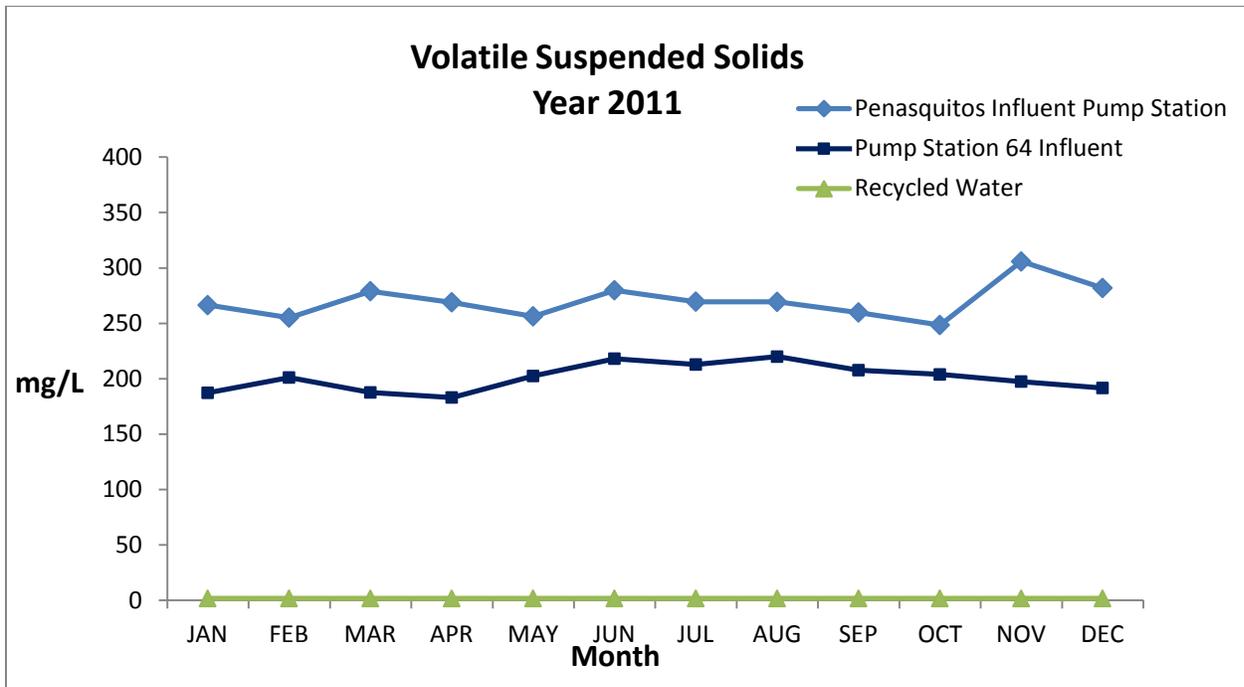
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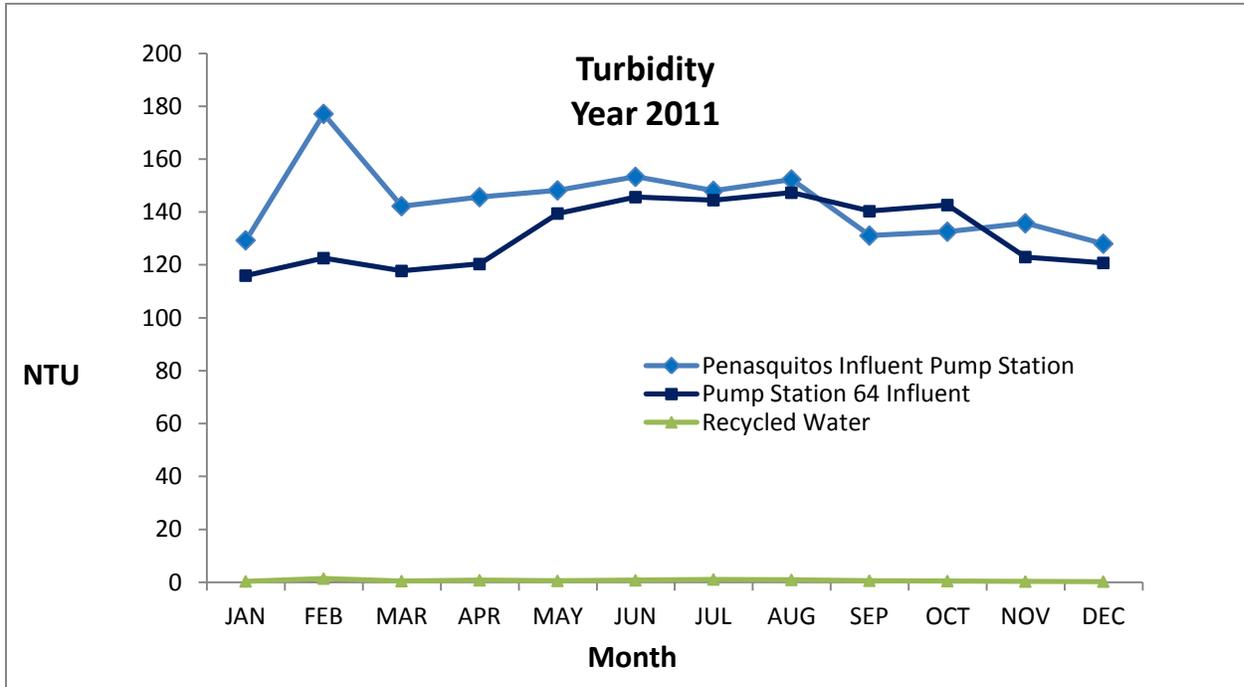
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(N34-REC) Reclaim Water - Monthly/Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	1000	6	50	1000	4	700
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	61	3.9	0.8	33	ND	275
FEBRUARY -2011	152	ND	0.9	41	<0.022	345
MARCH -2011	115	ND	0.6	30	<0.022	311
APRIL -2011	115	ND	0.6	29	<0.022	332
MAY -2011	109	ND	0.5	26	0.038	330
JUNE -2011	ND	ND	0.7	26	0.117	323
JULY -2011	ND	3.5	0.5	24	ND	342
AUGUST -2011	ND	ND	0.5	18	0.029	333
SEPTEMBER-2011	ND	ND	0.7	16	ND	288
OCTOBER -2011	165	ND	1.1	16	ND	335
NOVEMBER -2011	ND	ND	0.6	15	ND	236
DECEMBER -2011	ND	ND	ND	12	<0.022	304
=====	=====	=====	=====	=====	=====	=====
Annual Average:	60	0.6	0.6	24	0.015	313
Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	5	50			300	
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	<0.53	ND	ND	18	56	ND
FEBRUARY -2011	ND	ND	ND	12	87	ND
MARCH -2011	ND	ND	ND	7	96	ND
APRIL -2011	ND	ND	ND	9	70	ND
MAY -2011	ND	ND	ND	7	86	<2.0
JUNE -2011	<0.53	<1.2	ND	14	73	ND
JULY -2011	ND	<1.2	ND	25	79	ND
AUGUST -2011	ND	ND	ND	3	69	ND
SEPTEMBER-2011	ND	ND	ND	2	130	ND
OCTOBER -2011	ND	ND	ND	3	60	ND
NOVEMBER -2011	ND	ND	ND	8	68	<2.0
DECEMBER -2011	0.64	ND	ND	4	57	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.05	0.0	ND	9	78	0.0
Analyte:	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver
MDL:	.24	.005	.89	.53	.28	.4
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	50	2		100	50	
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	59	ND	6.06	6.1	0.75	ND
FEBRUARY -2011	66	ND	5.46	5.6	0.75	ND
MARCH -2011	70	ND	5.54	7.2	0.71	ND
APRIL -2011	74	ND	5.38	6.8	0.75	ND
MAY -2011	67	ND	5.25	5.5	0.65	ND
JUNE -2011	73	ND	5.99	8.6	0.67	ND
JULY -2011	87	ND	5.56	4.6	0.35	ND
AUGUST -2011	85	ND	6.30	4.5	0.40	ND
SEPTEMBER-2011	69	ND	11.30	8.9	<0.28	1.4
OCTOBER -2011	61	0.02	4.91	4.9	ND	ND
NOVEMBER -2011	76	ND	5.39	5.7	0.45	ND
DECEMBER -2011	63	ND	3.69	6.1	0.50	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	71	0.002	5.90	6.2	0.50	0.1

MDL'S listed are the maximum MDL for the past 12 months.

ND= Not Detected

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(N34-REC) Reclaim Water - Monthly/Annual Averages 1

Analyte:	Thallium	Vanadium	Zinc	Calcium	Lithium	Magnesium
MDL:	3.9	.64	2.5	.04	.002	.1
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
Limit:	2					
=====						
JANUARY -2011	ND	ND	27	63.6	0.050	30.5
FEBRUARY -2011	ND	0.79	41	61.5	0.031	29.0
MARCH -2011	ND	ND	28	65.6	0.028	31.9
APRIL -2011	ND	<0.64	28	64.8	0.036	30.7
MAY -2011	ND	<0.64	26	63.4	0.030	30.8
JUNE -2011	ND	<0.64	34	60.2	0.030	28.6
JULY -2011	ND	2.31	34	59.4	0.030	28.8
AUGUST -2011	ND	ND	29	54.8	0.028	26.2
SEPTEMBER-2011	ND	ND	30	49.5	0.020	24.4
OCTOBER -2011	ND	<0.64	26	53.4	0.023	26.5
NOVEMBER -2011	ND	ND	24	46.6	0.020	23.3
DECEMBER -2011	ND	0.99	22	48.3	0.021	24.5
=====						
Annual Average:	ND	0.34	29	57.6	0.029	27.9

Analyte:	Potassium	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Alkalinity
MDL:	.3	1	.1	.4	.4	20
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Limit:						
=====						
JANUARY -2011	12.8	183	159	126	284	121
FEBRUARY -2011	14.1	179	154	120	273	115
MARCH -2011	14.9	176	163	131	294	109
APRIL -2011	15.0	177	162	127	288	109
MAY -2011	16.0	178	158	127	285	120
JUNE -2011	15.6	168	150	118	268	102
JULY -2011	17.3	175	148	119	267	96
AUGUST -2011	15.8	162	137	108	245	95
SEPTEMBER-2011	16.2	159	124	100	224	76
OCTOBER -2011	18.1	168	134	109	243	81
NOVEMBER -2011	16.1	154	116	96	212	74
DECEMBER -2011	15.2	149	121	101	222	75
=====						
Annual Average:	15.6	169	144	115	259	98

MDL'S listed are the maximum MDL for the past 12 months.

ND= Not Detected

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(N34-REC) Reclaim Water - Monthly/Annual Averages

Analyte:	Chloride	Fluoride	Nitrate	Sulfate	Ortho Phosphate	MBAS (Surfactants)
MDL:	7	.05	.04	9	.2	.03
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Limit:	300	1		300		
=====						
JANUARY -2011	229	0.47	24.2	203	2.45	0.10
FEBRUARY -2011	247	0.38	42.6	200	2.57	0.21
MARCH -2011	218	0.64	40.7	177	2.80	0.14
APRIL -2011	258	0.78	45.1	206	4.54	0.15
MAY -2011	253	0.71	49.1	194	3.73	0.13
JUNE -2011	242	0.70	50.0	186	2.91	0.16
JULY -2011	247	0.68	68.1	169	5.45	0.10
AUGUST -2011	236	0.66	56.3	155	5.34	0.16
SEPTEMBER-2011	219	0.55	65.3	129	3.31	0.14
OCTOBER -2011	241	0.71	55.3	133	6.37	0.13
NOVEMBER -2011	224	0.75	46.5	111	4.72	0.15
DECEMBER -2011	212	0.67	42.7	116	3.76	0.08
=====						
Annual Average:	236	0.64	48.8	165	4.00	0.14

Analyte:	Total Organic Carbon	Percent Sodium	Adjusted Sodium Adsorption	Total Cyanides	Total Dissolved Solids
MDL:				.002	28
Units:	MG/L	PERCENT	Calculated	MG/L	MG/L
Limit:			6	0.2	1200
=====					
JANUARY -2011	7.7	57	4.9	ND	881
FEBRUARY -2011	8.4	58	4.6	0.031	839
MARCH -2011	7.8	55	4.2	0.007	873
APRIL -2011	7.3	56	4.6	0.008	899
MAY -2011	8.2	56	4.6	ND	898
JUNE -2011	7.6	56	4.2	0.004	880
JULY -2011	8.6	57	4.4	ND	883
AUGUST -2011	7.3	57	4.2	ND	842
SEPTEMBER-2011	7.1	59	4.2	0.008	829
OCTOBER -2011	7.5	58	4.3	0.010	767
NOVEMBER -2011	6.9	59	4.1	0.008	698
DECEMBER -2011	5.7	57	3.9	ND	670
=====					
Annual Average:	7.5	57	4.4	0.006	830

MDL'S listed are the maximum MDL for the past 12 months.

ND= Not Detected

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

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2011	1020	6	1.11	99	ND	356
FEBRUARY -2011	1440	ND	1.45	83	ND	323
MARCH -2011	583	ND	1.02	73	0.04	276
APRIL -2011	474	ND	0.91	77	0.03	318
MAY -2011	738	ND	0.60	77	<0.02	305
JUNE -2011	719	ND	0.86	77	0.12	274
JULY -2011	399	<2.9	0.75	73	ND	333
AUGUST -2011	450	<2.9	0.69	69	<0.02	331
SEPTEMBER-2011	298	ND	0.92	61	ND	295
OCTOBER -2011	568	ND	1.12	59	ND	333
NOVEMBER -2011	994	ND	0.91	51	ND	303
DECEMBER -2011	479	ND	0.89	57	ND	320
Annual Average:	680	0.5	0.94	71	0.02	314

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	MG/L	UG/L	UG/L	UG/L
JANUARY -2011	1.02	3.2	ND	149	608	ND
FEBRUARY -2011	ND	3.1	ND	117	640	<2.0
MARCH -2011	ND	2.2	ND	114	506	ND
APRIL -2011	ND	2.7	ND	123	491	ND
MAY -2011	ND	2.3	ND	144	791	2.5
JUNE -2011	<0.53	2.9	<0.85	130	580	ND
JULY -2011	<0.53	3.2	ND	159	850	2.0
AUGUST -2011	ND	2.4	ND	113	671	ND
SEPTEMBER-2011	<0.53	2.7	<0.85	113	676	2.3
OCTOBER -2011	ND	1.8	ND	120	583	ND
NOVEMBER -2011	ND	4.8	<0.85	100	5000	ND
DECEMBER -2011	0.59	2.1	ND	92	541	ND
Annual Average:	0.13	2.8	0.00	123	995	0.6

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.005	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2011	0.043	117	0.06	11.10	6.79	2.10
FEBRUARY -2011	0.038	129	0.08	9.95	6.14	1.14
MARCH -2011	0.029	106	0.07	7.15	4.58	1.22
APRIL -2011	0.040	137	0.17	7.89	5.14	1.16
MAY -2011	0.038	120	0.13	7.71	5.95	0.90
JUNE -2011	0.038	105	0.29	7.18	6.72	1.71
JULY -2011	0.035	117	0.08	8.19	3.06	1.16
AUGUST -2011	0.042	119	0.16	7.35	5.22	0.89
SEPTEMBER-2011	0.030	121	0.06	12.20	7.54	0.68
OCTOBER -2011	0.031	119	0.18	8.11	5.38	0.47
NOVEMBER -2011	0.026	119	0.26	7.99	6.97	1.32
DECEMBER -2011	0.035	124	0.11	6.19	5.64	1.24
Annual Average:	0.035	119	0.14	8.42	5.76	1.17

ND= Not Detected  
NR= Not Required

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

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.4	3.9	.64	2.5	.04	.1
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
JANUARY -2011	1.3	ND	<0.64	141	87.1	39.6
FEBRUARY -2011	0.8	<3.9	1.72	127	78.0	37.2
MARCH -2011	1.4	ND	<0.64	118	68.1	31.5
APRIL -2011	ND	ND	<0.64	119	79.6	36.9
MAY -2011	1.3	ND	1.20	152	73.3	35.2
JUNE -2011	1.1	ND	1.46	141	69.1	32.7
JULY -2011	ND	ND	1.74	269	68.1	32.8
AUGUST -2011	0.7	ND	1.18	146	81.3	35.7
SEPTEMBER-2011	1.3	ND	<0.64	131	66.5	32.2
OCTOBER -2011	1.1	ND	<0.64	145	64.2	32.6
NOVEMBER -2011	1.4	ND	0.81	127	59.7	31.2
DECEMBER -2011	0.8	ND	<0.64	122	67.7	34.6
Annual Average:	0.9	0.0	0.68	145	71.9	34.4

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.3	1	7	.05	300	28
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2011	17.7	205	NR	NR	NR	1050
FEBRUARY -2011	18.8	191	275	0.47	216	967
MARCH -2011	15.6	169	NR	NR	NR	1060
APRIL -2011	18.4	200	NR	NR	NR	1070
MAY -2011	19.6	189	310	0.75	209	1090
JUNE -2011	18.7	177	NR	NR	NR	1080
JULY -2011	20.9	194	NR	NR	NR	1050
AUGUST -2011	21.3	207	298	0.81	167	1000
SEPTEMBER-2011	20.7	201	NR	NR	NR	1010
OCTOBER -2011	22.1	201	295	0.89	142	969
NOVEMBER -2011	20.2	207	NR	NR	NR	923
DECEMBER -2011	19.8	199	NR	NR	NR	939
Annual Average:	19.5	195	295	0.73	184	1020

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2011	ND
FEBRUARY -2011	0.0026
MARCH -2011	ND
APRIL -2011	ND
MAY -2011	ND
JUNE -2011	ND
JULY -2011	ND
AUGUST -2011	ND
SEPTEMBER-2011	ND
OCTOBER -2011	ND
NOVEMBER -2011	ND
DECEMBER -2011	ND
Annual Average:	0.0002

ND= Not Detected  
NR= Not Required

NORTH CITY WATER RECLAMATION PLANT  
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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	776	6	1.09	72	ND	278
FEBRUARY -2011	1420	ND	NR	71	ND	169
MARCH -2011	696	ND	1.35	66	0.05	263
APRIL -2011	1650	ND	1.84	73	0.04	293
MAY -2011	1650	ND	1.70	68	0.05	291
JUNE -2011	1940	ND	2.19	71	0.15	267
JULY -2011	1700	ND	1.07	58	ND	303
AUGUST -2011	2390	ND	1.56	66	0.05	296
SEPTEMBER-2011	2170	ND	1.64	56	ND	268
OCTOBER -2011	816	ND	1.14	49	<0.02	301
NOVEMBER -2011	656	ND	1.08	54	ND	297
DECEMBER -2011	2020	ND	1.80	51	ND	321
=====	=====	=====	=====	=====	=====	=====
Annual Average:	1490	0.5	1.50	63	0.03	279

Analyte:	Cadmium	Chromium	Cobalt	Copper	Iron	Lead
MDL:	.53	1.2	.85	2	37	2
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	0.70	7.0	ND	89	7870	ND
FEBRUARY -2011	ND	12.0	ND	74	20700	4.6
MARCH -2011	ND	7.7	<0.85	77	8260	ND
APRIL -2011	ND	8.9	<0.85	99	9710	<2.0
MAY -2011	ND	9.7	1.06	88	9610	ND
JUNE -2011	ND	10.9	ND	90	9280	ND
JULY -2011	ND	6.4	ND	90	8790	<2.0
AUGUST -2011	ND	8.1	ND	81	10800	5.1
SEPTEMBER-2011	ND	8.1	<0.85	84	9710	<2.0
OCTOBER -2011	ND	10.9	ND	73	9120	3.1
NOVEMBER -2011	ND	6.0	<0.85	104	5300	2.1
DECEMBER -2011	0.70	9.5	<0.85	85	10300	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.12	8.8	0.09	86	9950	1.2

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.005	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	0.038	78	0.04	8.91	14.7	1.72
FEBRUARY -2011	NR	318	NR	10.50	16.0	NR
MARCH -2011	0.028	82	0.17	9.21	12.8	0.92
APRIL -2011	0.033	99	0.42	10.30	15.2	1.33
MAY -2011	0.037	114	0.14	11.30	12.0	1.00
JUNE -2011	0.031	113	0.09	9.00	20.2	1.63
JULY -2011	0.041	117	0.09	9.08	ND	1.32
AUGUST -2011	0.027	137	0.11	10.30	6.5	0.74
SEPTEMBER-2011	0.022	135	0.09	14.40	13.8	0.66
OCTOBER -2011	0.024	105	0.13	9.68	11.9	ND
NOVEMBER -2011	0.019	114	0.18	10.40	8.3	0.88
DECEMBER -2011	0.027	114	0.07	9.05	12.4	1.17
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.030	127	0.14	10.18	12.0	1.03

ND= Not Detected  
NR= Not Reported

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(N01-PEN) Penasquitos Influent - Annual Averages

Analyte:	Silver	Thallium	Vanadium	Zinc	Calcium	Magnesium
MDL:	.4	3.9	.64	2.5	.04	.1
Units:	UG/L	UG/L	UG/L	UG/L	MG/L	MG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	0.75	ND	2.94	99	78.2	39.7
FEBRUARY -2011	ND	ND	3.01	98	NR	NR
MARCH -2011	0.72	ND	4.06	110	64.3	34.4
APRIL -2011	ND	ND	5.11	141	66.7	35.1
MAY -2011	ND	ND	5.16	129	67.0	32.8
JUNE -2011	0.73	ND	4.78	128	62.8	30.9
JULY -2011	ND	ND	4.75	144	69.5	31.4
AUGUST -2011	0.40	ND	3.74	130	55.3	27.4
SEPTEMBER-2011	2.78	ND	2.09	137	50.8	26.0
OCTOBER -2011	<0.40	ND	2.03	129	51.9	26.0
NOVEMBER -2011	1.06	ND	1.05	123	40.6	20.1
DECEMBER -2011	4.26	ND	3.54	125	54.2	28.4
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.89	ND	3.52	124	60.1	30.2

Analyte:	Potassium	Sodium	Chloride	Fluoride	Sulfate	Total Dissolved Solids
MDL:	.3	1	7	.05	9	28
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	14.8	177	NR	NR	NR	949
FEBRUARY -2011	NR	NR	NR	NR	NR	836
MARCH -2011	13.8	154	NR	NR	NR	910
APRIL -2011	15.2	158	NR	NR	NR	910
MAY -2011	16.8	156	238	0.65	207	870
JUNE -2011	16.6	152	NR	NR	NR	850
JULY -2011	18.4	155	NR	NR	NR	803
AUGUST -2011	17.4	142	200	0.68	150	766
SEPTEMBER-2011	17.1	141	NR	NR	NR	731
OCTOBER -2011	18.7	146	193	0.73	118	690
NOVEMBER -2011	15.2	116	NR	NR	NR	698
DECEMBER -2011	18.2	151	NR	NR	NR	747
=====	=====	=====	=====	=====	=====	=====
Annual Average:	16.6	150	210	0.69	158	813

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
=====	=====
JANUARY -2011	ND
FEBRUARY -2011	NR
MARCH -2011	ND
APRIL -2011	0.002
MAY -2011	ND
JUNE -2011	0.002
JULY -2011	ND
AUGUST -2011	0.008
SEPTEMBER-2011	ND
OCTOBER -2011	ND
NOVEMBER -2011	ND
DECEMBER -2011	ND
=====	=====
Annual Average:	0.001

ND= Not Detected  
NR= Not Reported

Annual Pretreatment Program Sludge Analysis

2011 Annual Pretreatment Program Sludge Analysis  
(QUARTERLY SLUDGE PROJECT)

POINT LOMA WASTEWATER TREATMENT PLANT  
ORDER NO. R9-2009-001  
NPDES PERMIT NO. CA0107409

The Quarterly Sludge Project is part of the Pt. Loma WWTP NPDES (Permit No. CA0107409/Order No. R9-2010-001) monitoring requirements. The sampling plan is designed so as to provide a “snapshot” of all of the physical and chemical characteristics monitored of the wastewater treatment waste streams for a short interval of time (1-2 days). This is conducted quarterly.

The Quarterly Sludge Project was conducted 4 times during 2011, composite and grab samples were taken in February, May, August, and October.

The North City Reclamation Water Plant is included in the Pre-treatment monitoring program and data from that aspect of the program is reported in the following section. The plant primary influents (N01-PS\_INF and N01-PEN), Primary effluent (N10-EFF), and reclaimed water (N34-REC WATER) were sampled. For influent and effluent samples, automatic refrigerated samplers are composited over a 24 hour period.

Grease & Oils, pH, temperature, and conductivity are determined from grab samples.

Abbreviations:

NCWRP	North City Water Reclamation Plant
N01-PS_INF	NCWRP influent from pump station 64
N01-PEN	NCWRP Penasquitos influent
N34-REC WATER	NCWRP reclaimed water.
N10-EFF	NCWRP Primary effluent

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(Metals from Digestion and Ions from Supernatant)

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
Sample ID:	MDL Units	P549239	P557946	P564881	P584635
=====					
Aluminum	47 UG/L	1390	476	377	583
Antimony	2.9 UG/L	ND	ND	4	ND
Arsenic	.4 UG/L	1.45	0.60	0.69	1.12
Barium	.039 UG/L	87	75	73	59
Beryllium	.022 UG/L	ND	0.05	0.04	ND
Boron	7 UG/L	304	314	341	337
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	3.3	1.3	2.9	1.8
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	106.0	131.0	118.0	120.0
Iron	37 UG/L	583	512	701	600
Lead	2 UG/L	3	ND	ND	ND
Manganese	.24 UG/L	112.00	124.00	124.00	121.00
Mercury	.005 UG/L	0.08	0.13	0.16	0.18
Molybdenum	.89 UG/L	8.9	7.3	8.1	9.1
Nickel	.53 UG/L	6.3	5.0	4.3	5.8
Selenium	.28 UG/L	1.14	0.90	0.89	0.47
Silver	.4 UG/L	0.9	1.2	0.4	1.0
Thallium	3.9 UG/L	4	ND	ND	ND
Vanadium	.64 UG/L	1.8	ND	2.4	0.9
Zinc	2.5 UG/L	133.0	137.0	156.0	158.0
Total Kjeldahl Nitrogen	1.6 MG/L	51.7	50.9	65.9	56.6
=====					
Calcium	.04 MG/L	78	73	81	64
Lithium	.002 MG/L	0.038	0.038	0.042	0.031
Magnesium	.1 MG/L	37	35	36	33
Potassium	.3 MG/L	19	20	21	22
Sodium	1 MG/L	191	189	207	201
=====					
Calcium Hardness	.1 MG/L	195	183	203	160
Magnesium Hardness	.4 MG/L	153	145	147	134
Total Hardness	.4 MG/L	348	328	350	295
=====					
Bromide	.1 MG/L	0.53	0.64	0.61	0.61
Chloride	7 MG/L	275	310	298	295
Fluoride	.05 MG/L	0.47	0.75	0.81	0.89
Nitrate	.04 MG/L	0.18	0.11	0.16	0.19
Ortho Phosphate	.2 MG/L	8.24	8.98	10.50	11.10
Sulfate	9 MG/L	216	209	167	142
=====					
Cyanides, Total	.002 MG/L	0.003	ND	ND	ND
Sulfides-Total	.18 MG/L	0.24	1.45	1.10	0.92
Ammonia-N	.3 MG/L	32.1	38.6	40.5	39.7

ND= Not Detected  
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NR= Not Required

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

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(Metals from Digestion and Ions from Supernatant)

Source:		N01-PEN	N01-PEN	N01-PEN	N10-EFF
Date:		03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
Sample ID:	MDL Units	P557951	P564886	P584640	P549249
Aluminum	47 UG/L	1650	1730	874	702
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.70	1.56	1.14	1.22
Barium	.039 UG/L	68	54	48	68
Beryllium	.022 UG/L	0.05	0.10	0.03	ND
Boron	7 UG/L	291	311	298	336
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	9.7	9.0	12.1	2.4
Cobalt	.85 UG/L	1.06	ND	ND	ND
Copper	2 UG/L	87.9	82.4	75.2	73.8
Iron	37 UG/L	9610	9590	9290	307
Lead	2 UG/L	ND	6	4	ND
Manganese	.24 UG/L	114.00	132.00	106.00	103.00
Mercury	.005 UG/L	0.14	0.11	0.13	0.02
Molybdenum	.89 UG/L	11.3	8.9	10.2	8.3
Nickel	.53 UG/L	12.0	ND	12.0	5.3
Selenium	.28 UG/L	1.00	0.74	ND	1.12
Silver	.4 UG/L	ND	ND	0.4	0.5
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	5.2	4.7	2.0	0.9
Zinc	2.5 UG/L	129.0	125.0	133.0	72.7
Total Kjeldahl Nitrogen	1.6 MG/L	43.8	46.8	49.4	46.3
Calcium	.04 MG/L	67	55	52	76
Lithium	.002 MG/L	0.037	0.027	0.024	0.038
Magnesium	.1 MG/L	33	27	26	37
Potassium	.3 MG/L	17	17	19	18
Sodium	1 MG/L	156	142	146	188
Calcium Hardness	.1 MG/L	167	138	130	191
Magnesium Hardness	.4 MG/L	135	113	107	151
Total Hardness	.4 MG/L	302	251	237	341
Bromide	.1 MG/L	0.35	0.34	0.30	0.53
Chloride	7 MG/L	238	200	193	274
Fluoride	.05 MG/L	0.65	0.68	0.73	0.47
Nitrate	.04 MG/L	0.11	0.24	0.30	0.40
Ortho Phosphate	.2 MG/L	1.78	3.28	3.96	7.74
Sulfate	9 MG/L	207	150	118	216
Cyanides, Total	.002 MG/L	ND	0.008	ND	0.002
Sulfides-Total	.18 MG/L	1.65	5.88	2.77	ND
Ammonia-N	.3 MG/L	31.4	32.6	35.9	36.5

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N01-PS\_INF = North City Pump Station Influent (PS #64)  
N01-PEN = Penasquitos Pump Station Influent

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(Metals from Digestion and Ions from Supernatant)

Source:		N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
Date:		03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
Sample ID:	MDL Units	P557956	P564891	P584645	P549254
Aluminum	47 UG/L	440	284	427	153
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.90	0.84	1.07	0.95
Barium	.039 UG/L	58	47	40	38
Beryllium	.022 UG/L	0.05	0.06	ND	0.04
Boron	7 UG/L	308	336	338	326
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.3	4.3	3.4	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	72.1	55.5	56.2	16.1
Iron	37 UG/L	1970	2480	2340	76
Lead	2 UG/L	ND	ND	2	ND
Manganese	.24 UG/L	110.00	118.00	102.00	59.60
Mercury	.005 UG/L	0.04	0.03	0.05	ND
Molybdenum	.89 UG/L	7.8	7.7	8.4	5.5
Nickel	.53 UG/L	5.2	1.4	6.1	6.3
Selenium	.28 UG/L	1.10	0.79	0.64	0.75
Silver	.4 UG/L	0.6	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	1.1	2.0	ND	0.7
Zinc	2.5 UG/L	75.6	70.4	71.0	40.7
Total Kjeldahl Nitrogen	1.6 MG/L	45.1	47.2	48.1	2.3
Calcium	.04 MG/L	75	27	60	62
Lithium	.002 MG/L	0.036	0.017	0.029	0.031
Magnesium	.1 MG/L	37	13	30	29
Potassium	.3 MG/L	19	10	21	14
Sodium	1 MG/L	184	80	174	179
Calcium Hardness	.1 MG/L	188	67	149	154
Magnesium Hardness	.4 MG/L	150	53	121	120
Total Hardness	.4 MG/L	338	120	271	273
Bromide	.1 MG/L	0.55	0.49	0.47	0.19
Chloride	7 MG/L	292	254	250	247
Fluoride	.05 MG/L	0.81	0.73	0.82	0.38
Nitrate	.04 MG/L	0.10	0.16	0.19	34.20
Ortho Phosphate	.2 MG/L	6.31	7.34	7.45	2.57
Sulfate	9 MG/L	215	160	133	200
Cyanides, Total	.002 MG/L	ND	ND	ND	0.046
Adjusted Sodium Adsorption	MG/L	NR	NR	NR	4.6
Percent Sodium	PERCENT	NR	NR	NR	57.6
Total Organic Carbon	MG/L	NR	NR	NR	8.4
Sulfides-Total	.18 MG/L	ND	1.56	0.77	ND
Ammonia-N	.3 MG/L	36.8	37.2	38.0	1.2

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N34-REC WATER = NCWRP Reclaimed Water After Mixing  
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N01-PS\_INF = North City Pump Station Influent (PS #64)  
N01-PEN = Penasquitos Pump Station Influent

NORTH CITY WATER RECLAMATION PLANT  
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(Metals from Digestion and Ions from Supernatant)

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:		03-MAY-2011	02-AUG-2011	04-OCT-2011
Sample ID:	MDL Units	P557961	P564896	P584650
=====	=====	=====	=====	=====
Aluminum	47 UG/L	107	ND	147
Antimony	2.9 UG/L	ND	ND	ND
Arsenic	.4 UG/L	0.50	0.51	1.08
Barium	.039 UG/L	30	19	16
Beryllium	.022 UG/L	0.05	0.06	ND
Boron	7 UG/L	350	340	331
Cadmium	.53 UG/L	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND
Cobalt	.85 UG/L	ND	ND	ND
Copper	2 UG/L	6.5	3.4	3.7
Iron	37 UG/L	93	59	49
Lead	2 UG/L	ND	ND	ND
Manganese	.24 UG/L	79.70	85.10	52.80
Mercury	.005 UG/L	ND	ND	0.02
Molybdenum	.89 UG/L	5.4	5.3	5.4
Nickel	.53 UG/L	5.4	3.6	4.4
Selenium	.28 UG/L	0.65	0.40	ND
Silver	.4 UG/L	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND
Vanadium	.64 UG/L	ND	ND	<0.6
Zinc	2.5 UG/L	25.9	37.2	25.9
Total Kjeldahl Nitrogen	1.6 MG/L	ND	ND	ND
=====	=====	=====	=====	=====
Calcium	.04 MG/L	63	55	53
Lithium	.002 MG/L	0.030	0.028	0.023
Magnesium	.1 MG/L	31	26	27
Potassium	.3 MG/L	16	16	18
Sodium	1 MG/L	178	162	168
=====	=====	=====	=====	=====
Calcium Hardness	.1 MG/L	158	137	134
Magnesium Hardness	.4 MG/L	127	108	109
Total Hardness	.4 MG/L	285	245	243
=====	=====	=====	=====	=====
Bromide	.1 MG/L	ND	ND	ND
Chloride	7 MG/L	253	236	241
Fluoride	.05 MG/L	0.71	0.66	0.71
Nitrate	.04 MG/L	44.10	61.60	62.20
Ortho Phosphate	.2 MG/L	3.73	5.34	6.37
Sulfate	9 MG/L	194	155	133
=====	=====	=====	=====	=====
Cyanides, Total	.002 MG/L	ND	ND	0.010
Adjusted Sodium Adsorption	MG/L	4.6	4.2	4.3
Percent Sodium	PERCENT	56.0	57.1	57.9
Total Organic Carbon	MG/L	8.2	7.3	7.5
Sulfides-Total	.18 MG/L	ND	ND	ND
Ammonia-N	.3 MG/L	ND	ND	ND

ND= Not Detected  
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NS= Not Sampled  
NR= Not Required

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

NORTH CITY WATER RECLAMATION PLANT  
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Radioactivity

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation	Units
=====	=====	=====	=====	=====	=====
N10-EFF	01-FEB-2011	P549249	1.5±2.7	16.6±5.6	pCi/L
N10-EFF	03-MAY-2011	P557956	1.1±1.6	23.0±6.7	pCi/L
N10-EFF	02-AUG-2011	P564891	4.6±2.8	19.4±4.7	pCi/L
N10-EFF	04-OCT-2011	P584645	1.9±2.7	21.0±4.6	pCi/L
N01-PS_INF	01-FEB-2011	P549239	4.1±2.9	25.6±6.6	pCi/L
N01-PS_INF	03-MAY-2011	P557946	2.9±2.0	19.9±4.8	pCi/L
N01-PS_INF	02-AUG-2011	P564881	1.7±3.3	19.1±5.1	pCi/L
N01-PS_INF	04-OCT-2011	P584635	2.2±5.0	24.7±5.9	pCi/L
N01-PEN*	01-FEB-2011				
N01-PEN	03-MAY-2011	P557951	2.3±1.7	17.7±5.0	pCi/L
N01-PEN	02-AUG-2011	P564886	6.8±3.0	27.2±5.6	pCi/L
N01-PEN	04-OCT-2011	P584640	0.6±3.8	17.4±4.6	pCi/L
N34-REC WATER	01-FEB-2011	P549254	0.6±2.3	14.5±4.0	pCi/L
N34-REC WATER	03-MAY-2011	P557961	1.7±1.9	24.7±6.3	pCi/L
N34-REC WATER	02-AUG-2011	P564896	1.6±1.3	16.9±4.3	pCi/L
N34-REC WATER	04-OCT-2011	P584650	-1.4±3.6	15.7±6.3	pCi/L

\*Penasquitos Pump Station offline from 16-Jan-2011 to 14-Feb-2011

pCi= picocuries

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

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

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Physical Parameters

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
Ammonia-N	.3 MG/L	32.1	38.6	40.5	39.7
BOD (Biochemical Oxygen Demand)	2 MG/L	229.0	214.0	249.0	234.0
Hexane Extractable Material	1.2 MG/L	25.3	40.3	84.0	53.6
Chemical Oxygen Demand	18 MG/L	686	591	575	591
Conductivity	10 UMHOS/CM	1930	2070	1890	1830
MBAS (Surfactants)	.03 MG/L	7.3	6.9	8.4	7.2
pH (grab)	PH	7.1	7.2	6.8	7.0
Total Alkalinity (bicarbonate)	20 MG/L	270	285	276	269
Total Suspended Solids	1.4 MG/L	244.0	226.0	278.0	228.0
Volatile Suspended Solids	1.6 MG/L	220.0	200.0	248.0	192.0
Total Kjeldahl Nitrogen	1.6 MG/L	51.7	50.9	65.9	56.6
Turbidity	.13 NTU	120.0	140.0	140.0	130.0
Sulfides-Total	.18 MG/L	0.2	1.5	1.1	0.9

Physical Parameters

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
		03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
Ammonia-N	.3 MG/L	31.4	32.6	35.9	36.5
BOD (Biochemical Oxygen Demand)	2 MG/L	225.0	241.0	232.0	143.0
Hexane Extractable Material	1.2 MG/L	57.2	59.5	64.0	24.3
Chemical Oxygen Demand	18 MG/L	500	267	496	368
Conductivity	10 UMHOS/CM	1780	1490	1420	1920
MBAS (Surfactants)	.03 MG/L	6.1	6.7	6.6	7.1
pH (grab)	PH	7.0	7.2	7.5	7.3
Total Alkalinity (bicarbonate)	20 MG/L	279	266	267	271
Total Dissolved Solids	28 MG/L	920	764	656	1010
Total Suspended Solids	1.4 MG/L	260.0	288.0	275.0	70.0
Volatile Suspended Solids	1.6 MG/L	220.0	244.0	240.0	60.0
Total Kjeldahl Nitrogen	1.6 MG/L	43.8	46.8	49.4	46.3
Turbidity	.13 NTU	150.0	120.0	120.0	71.0
Sulfides-Total	.18 MG/L	1.7	5.9	2.8	ND

NA= Not Analyzed  
ND= Not Detected

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Physical Parameters

Analytes	MDL Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
		03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
Ammonia-N	.3 MG/L	36.8	37.2	38.0	1.2
BOD (Biochemical Oxygen Demand)	2 MG/L	135.0	146.0	165.0	ND
Hexane Extractable Material	1.2 MG/L	57.6	45.8	26.4	ND
Chemical Oxygen Demand	18 MG/L	333	246	320	35
Conductivity	10 UMHOS/CM	1980	1710	1650	1540
MBAS (Surfactants)	.03 MG/L	5.4	6.7	6.4	0.2
pH (grab)	PH	7.2	7.0	7.3	7.0
Total Alkalinity (bicarbonate)	20 MG/L	281	267	267	115
Total Dissolved Solids	28 MG/L	1200	924	800	874
Total Suspended Solids	1.4 MG/L	82.0	83.3	102.0	ND
Volatile Suspended Solids	1.6 MG/L	76.0	65.0	80.0	ND
Total Kjeldahl Nitrogen	1.6 MG/L	45.1	47.2	48.1	2.3
Total Organic Carbon	MG/L	NR	NR	NR	8.4
Turbidity	.13 NTU	85.0	89.0	80.0	0.9
Sulfides-Total	.18 MG/L	ND	1.6	0.8	ND

Physical Parameters

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
		03-MAY-2011	02-AUG-2011	04-OCT-2011
Ammonia-N	.3 MG/L	ND	ND	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	ND	ND
Hexane Extractable Material	1.2 MG/L	4.3	ND	2.6
Chemical Oxygen Demand	18 MG/L	20	18	ND
Conductivity	10 UMHOS/CM	1570	1380	1350
MBAS (Surfactants)	.03 MG/L	0.1	0.2	0.1
pH (grab)	PH	6.8	7.6	6.9
Total Alkalinity (bicarbonate)	20 MG/L	120	95	81
Total Dissolved Solids	28 MG/L	936	860	716
Total Suspended Solids	1.4 MG/L	ND	ND	ND
Volatile Suspended Solids	1.6 MG/L	ND	ND	ND
Total Kjeldahl Nitrogen	1.6 MG/L	ND	ND	ND
Total Organic Carbon	MG/L	8.2	7.3	7.5
Turbidity	.13 NTU	1.0	1.5	0.8
Sulfides-Total	.18 MG/L	ND	ND	ND

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
			01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
			P549239	P557946	P564881	P584635
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
			03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
			P557951	P564886	P584640	P549249
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
			P557956	P564891	P584645	P549254
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			03-MAY-2011	02-AUG-2011	04-OCT-2011
			P557961	P564896	P584650
Tributyltin	2	UG/L	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND

ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
			P549239	P557946	P564881	P584635
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	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	360	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	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed  
ND= Not Detected

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Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
			03-MAY-2011 P557951	02-AUG-2011 P564886	04-OCT-2011 P584640	01-FEB-2011 P549249
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlorane	6	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	360	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	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed  
ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			03-MAY-2011 P557956	02-AUG-2011 P564891	04-OCT-2011 P584645	01-FEB-2011 P549254
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlorane	6	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	360	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	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed  
ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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Chlorinated Pesticides

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			03-MAY-2011 P557961	02-AUG-2011 P564896	04-OCT-2011 P584650
Aldrin	7	NG/L	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND
Heptachlors	8	NG/L	0	0	0
Endosulfans	6	NG/L	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0
DDT and derivatives	8	NG/L	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0

NA= Not Analyzed  
ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
			P549239	P557946	P564881	P584635
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	4.2	5.8	5.2	6.3
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	13.3	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	4.2	5.8	18.5	6.3
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= Not Detected

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Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
			03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
			P557951	P564886	P584640	P549249
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	5.1	5.5	4.1	6.9
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	9.5	9.6	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	14.6	15.1	4.1	6.9
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
			P557956	P564891	P584645	P549254
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	5.3	6.9	6.7	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	12.0	11.8	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	17.3	18.7	6.7	0.0
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= Not Detected

NORTH CITY WATER RECLAMATION PLANT  
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Base/Neutral Compounds

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			03-MAY-2011	02-AUG-2011	04-OCT-2011
			P557961	P564896	P584650
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND
Acenaphthene	1.8	UG/L	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	24.9
Benzidine	1.52	UG/L	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	24.9
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND

ND= Not Detected

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Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
		03-MAY-2011 P557946	04-OCT-2011 P584635	03-MAY-2011 P557951	04-OCT-2011 P584640
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	0.510	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	0.230	0.680	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.230	0.680	0.000	0.000
Demeton -O, -S	.15 UG/L	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.15 UG/L	0.740	0.680	0.000	0.000
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

ND= Not Detected

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Organophosphorous Pesticides

Analyte	MDL Units	N10-EFF	N10-EFF	N34-REC WATER	N34-REC WATER
		03-MAY-2011 P557956	04-OCT-2011 P584645	03-MAY-2011 P557961	04-OCT-2011 P584650
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	0.270	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	0.130	0.190	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.130	0.190	0.000	0.000
Demeton -O, -S	.15 UG/L	0.000	0.000	0.000	0.000
Total Organophosphorus Pesticides	.15 UG/L	0.400	0.190	0.000	0.000
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

ND= Not Detected

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Benzidines

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:	MDL Units	01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
		P549239	P557946	P564881	P584635
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

Source:		N01-PEN	N01-PEN	N01-PEN	N10-EFF
Date:	MDL Units	03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
		P557951	P564886	P584640	P549249
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

Source:		N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
Date:	MDL Units	03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
		P557956	P564891	P584645	P549254
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:	MDL Units	03-MAY-2011	02-AUG-2011	04-OCT-2011
		P557961	P564896	P584650
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND

ND= Not Detected

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Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			01-FEB-2011 P549239	03-MAY-2011 P557946	02-AUG-2011 P564881	04-OCT-2011 P584635
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	12.40	27.50	24.20	29.50
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	12.40	27.50	24.20	29.50
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	12.40	27.50	24.20	29.50

Additional analytes determined;

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	39.00	61.40	119.00	61.80
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
			03-MAY-2011 P557951	02-AUG-2011 P564886	04-OCT-2011 P584640	01-FEB-2011 P549249
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	13.20	ND	2.90	19.10
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	13.20	0.00	2.90	19.10
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	13.20	0.00	2.90	19.10

Additional analytes determined;

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	23.90	4.80	2.90	47.10
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detected  
NA= Not Analyzed

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Phenolic Compound

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			03-MAY-2011 P557956	02-AUG-2011 P564891	04-OCT-2011 P584645	01-FEB-2011 P549254
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	18.00	14.80	20.40	ND
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	18.00	14.80	20.40	0.00
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	18.00	14.80	20.40	0.00

Additional analytes determined;

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	40.10	49.40	25.80	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			03-MAY-2011 P557961	02-AUG-2011 P564896	04-OCT-2011 P584650
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND
2-Chlorophenol	1.32	UG/L	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND
=====					
Total Non-Chlorinated Phenols	2.16	UG/L	0.00	0.00	0.00
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00
=====					
Phenols	2.16	UG/L	0.00	0.00	0.00

Additional analytes determined;

2-Methylphenol	2.15	UG/L	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND

ND= not detected  
NA= Not Analyzed

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Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
			P549242	P557949	P564884	P584638
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	1.2	3.3	2.9	1.6
1,1-Dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	2.3	2.5	2.9	2.8
1,2-Dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	0.7	ND	0.7
1,2-Dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	0.7	ND	0.7
1,1,2-Trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	1.4	1.0	23.1	85.5
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	ND	0.5	0.76*	0.5
1,3-Dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	1.4	0.0	1.4
Purgeable Compounds	1.3	UG/L	4.9	8.2	28.9	91.3
Total Dichlorobenzenes	.5	UG/L	0.0	0.5	0.0	0.5

Additional analytes determined

Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	0.9
2-Nitropropane	12	UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	904.0	1130.0	1690.0	323.0
Carbon disulfide	.6	UG/L	0.8	5.9	3.9	2.1
2-Butanone	6.3	UG/L	6.6	8.5	23.8	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

\*= This analyte was found in blanks (0.4 ug/L) above MDL. Value was not used in calculation of the average.

ND= not detected

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Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N10-EFF
			03-MAY-2011 P557954	02-AUG-2011 P564889	04-OCT-2011 P584643	01-FEB-2011 P549252
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	4.0	1.2	1.9	2.9
1,1-Dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	4.6	2.9	1.7	3.5
1,2-Dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	ND	0.6	0.6	0.6
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	ND	ND	0.4	ND
1,3-Dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3	UG/L	8.6	4.7	4.2	7.0
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.4	0.0

Additional analytes determined

Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-Nitropropane	12	UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	356.0	399.0	314.0	1040.0
Carbon disulfide	.6	UG/L	1.3	2.2	1.6	1.3
2-Butanone	6.3	UG/L	9.8	12.8	ND	7.3
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= not detected

NORTH CITY WATER RECLAMATION PLANT  
ANNUAL MONITORING REPORT

2011

Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N34-REC WATER
			03-MAY-2011 P557959	02-AUG-2011 P564894	04-OCT-2011 P584648	01-FEB-2011 P549257
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND	ND
Methylene chloride	.3	UG/L	1.3	7.1	7.3	1.0
1,1-Dichloroethene	.4	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND	ND
Chloroform	.2	UG/L	3.1	2.4	1.5	35.6
1,2-Dichloroethane	.5	UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4	UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND	ND
Bromodichloromethane	.5	UG/L	ND	ND	ND	27.2
1,2-Dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND	ND
Dibromochloromethane	.6	UG/L	ND	ND	ND	13.7
1,1,2-Trichloroethane	.5	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1	UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	ND	ND	ND	2.4
1,1,2,2-Tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	0.8	8.3	3.3	ND
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	ND	0.66*	ND	ND
1,3-Dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	0.0	0.0	0.0	43.3
Purgeable Compounds	1.3	UG/L	5.2	17.8	12.1	79.9
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

Allyl chloride	.6	UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3	UG/L	ND	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7	UG/L	ND	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND	ND
2-Nitropropane	12	UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3	UG/L	ND	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND	ND
Acetone	4.5	UG/L	971.0	1120.0	566.0	7.4
Carbon disulfide	.6	UG/L	4.5	3.6	2.2	ND
2-Butanone	6.3	UG/L	8.7	14.0	7.9	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

\*= This analyte was found in blanks (0.4 ug/L) above MDL. Value was not used in calculation of the average.

ND= not detected

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Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER
			03-MAY-2011	02-AUG-2011	04-OCT-2011
			P557964	P564899	P584653
Chloromethane	.5	UG/L	1.0	1.4	0.9
Bromomethane	.7	UG/L	ND	ND	ND
Vinyl chloride	.4	UG/L	ND	ND	ND
Chloroethane	.9	UG/L	ND	ND	ND
1,1-Dichloroethane	.4	UG/L	ND	ND	ND
Trichlorofluoromethane	.3	UG/L	ND	ND	ND
Methylene chloride	.3	UG/L	0.8	ND	1.0
1,1-Dichloroethene	.4	UG/L	ND	ND	ND
trans-1,2-dichloroethene	.6	UG/L	ND	ND	ND
Chloroform	.2	UG/L	88.8	119.0	64.5
1,2-Dichloroethane	.5	UG/L	ND	ND	ND
1,1,1-Trichloroethane	.4	UG/L	ND	ND	ND
Carbon tetrachloride	.4	UG/L	ND	ND	ND
Bromodichloromethane	.5	UG/L	80.9	82.5	71.0
1,2-Dichloropropane	.3	UG/L	ND	ND	ND
trans-1,3-dichloropropene	.5	UG/L	ND	ND	ND
Trichloroethene	.7	UG/L	ND	ND	ND
Benzene	.4	UG/L	ND	ND	ND
Dibromochloromethane	.6	UG/L	48.8	43.3	44.1
1,1,2-Trichloroethane	.5	UG/L	ND	ND	ND
cis-1,3-dichloropropene	.3	UG/L	ND	ND	ND
2-Chloroethylvinyl ether	1.1	UG/L	ND	ND	ND
Bromoform	.5	UG/L	5.0	3.9	5.7
1,1,2,2-Tetrachloroethane	.5	UG/L	ND	ND	ND
Tetrachloroethene	1.1	UG/L	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND
Toluene	.4	UG/L	0.9	ND	ND
Ethylbenzene	.3	UG/L	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	ND	0.59*	ND
1,3-Dichlorobenzene	.5	UG/L	ND	ND	ND
Dichlorodifluoromethane	.66	UG/L	ND	ND	ND
Halomethane Purgeable Cmpnds	.7	UG/L	135.7	131.1	121.7
Purgeable Compounds	1.3	UG/L	226.2	250.1	187.2
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.0

Additional analytes determined

Allyl chloride	.6	UG/L	ND	ND	ND
4-Methyl-2-pentanone	1.3	UG/L	ND	ND	ND
meta,para xylenes	.6	UG/L	ND	ND	ND
Styrene	.3	UG/L	ND	ND	ND
1,2,4-Trichlorobenzene	.7	UG/L	ND	ND	ND
Methyl Iodide	.6	UG/L	ND	ND	ND
Chloroprene	.4	UG/L	ND	ND	ND
Methyl methacrylate	.8	UG/L	ND	ND	ND
2-Nitropropane	12	UG/L	ND	ND	ND
1,2-Dibromoethane	.3	UG/L	ND	ND	ND
Isopropylbenzene	.3	UG/L	ND	ND	ND
Benzyl chloride	1.1	UG/L	ND	ND	ND
ortho-xylene	.4	UG/L	ND	ND	ND
Acetone	4.5	UG/L	6.3	8.8	7.4
Carbon disulfide	.6	UG/L	ND	ND	ND
2-Butanone	6.3	UG/L	ND	ND	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND

\*= This analyte was found in blanks (0.4 ug/L) above MDL. Value was not used in calculation of the average.

ND= not detected