



THE CITY OF SAN DIEGO

NORTH CITY WATER RECLAMATION PLANT

ANNUAL MONITORING REPORT 2010

(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 28, 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 2010 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,



I:\REPORTS\NCWRP\Annuals\Annual2010\Annual_NC_10.docx

Environmental Monitoring and Technical Services Division • Metropolitan Wastewater

2392 Kincaid Road • San Diego, CA 92101-0811

Tel (619) 758-2300 Fax (619) 758-2309

Page 2
Mr. David W. Gibson, Executive Officer
January 28, 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/lnk

cc: Roger 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

Total Organic Carbon 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

Frontier Analytical Laboratory
(EPA Lab Code: CA014455,
NELAP- Certificate: 02113CA)
5172 Hillside Circle
El Dorado Hills, CA95762
(916) 934-0900

CRG Laboratories
(EPA Lab Code:
ELAP Certification: 2261)
2020 Del Amo Blvd.
Suite #200
Torrance, CA 90501
(714) 755-3263

Herbicides in solids only

Legend Technical Services of Arizona, INC.
(EPA Lab Code: AZ00031
NVLAP- Certification: AZ0004)
17631 North 25th Avenue
Phoenix, AZ 85023
(602) 324-6100
Legend-group.com

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:

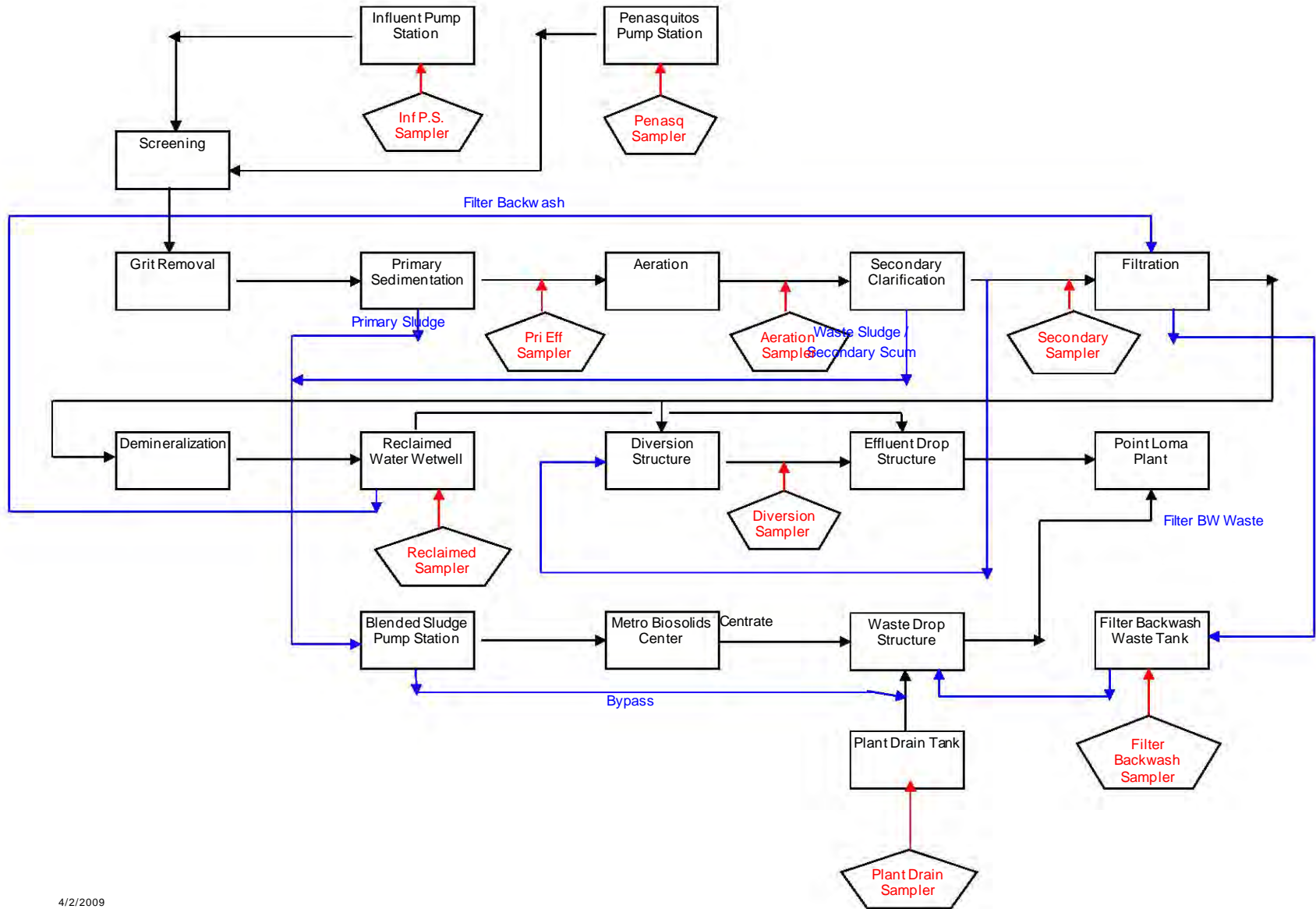
North City Water Reclamation Plant Source Codes

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	12/31/2011
<u>North City Sr. Operations Supervisor</u>			
Pruett, Sam	V	V-7791	06/30/2011
<u>North City Operations Supervisors</u>			
Cozad, John	III	III-7138	12/31/2011
Relph, Robert	III	III-6742	12/31/2012
<u>North City Operators</u>			
Hill, Cardell	II	II-4041	06/30/2011
Todd, Terry	III	III-9833	12/31/2011
Castillo, Jose	III	III-9849	06/30/2011
Marlow, Dave	V	V-10216	12/31/2012
Jacques, Richie	III	III-27921	06/30/2012
Saulog, Noel	II	II-10299	12/31/2012

NCWRP Sampling Schematic



4/2/2009

North City Water Reclamation Plant
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	245.9	461.5	47.3	50.5	51.2	563.19	157.07	706.59	28.61	.03	11.63	6.33	31.78
02	219.8	431.1	33.2	43.4	34.3	519.02	114.13	650.88	25.62	.00	10.17	3.43	31.53
03	260.7	473.1	39.1	51.6	91.8	538.49	172.35	722.89	28.63	.00	8.14	6.12	35.13
04	239.4	461.7	43.0	52.0	116.9	453.17	190.06	693.92	28.34	.52	5.75	7.18	34.52
05	206.3	523.3	44.1	54.9	151.5	460.62	235.54	714.76	27.40	.17	7.88	6.33	34.76
06	241.4	470.8	34.2	48.9	189.7	386.28	273.49	685.06	25.79	.00	8.37	7.85	34.56
07	244.6	490.7	27.7	53.1	227.8	416.64	309.66	728.75	29.65	.00	9.15	7.02	38.90
08	18.6	695.1	25.9	55.9	234.9	363.90	328.04	709.44	28.30	.00	7.53	4.71	36.50
09	7.6	664.0	34.0	53.9	220.1	369.13	283.38	677.71	24.15	.00	7.36	5.74	30.10
10	244.2	491.3	32.4	48.0	99.1	506.26	161.45	709.57	27.06	.00	8.06	3.47	32.26
11	214.7	478.0	23.8	48.2	114.8	506.97	173.18	694.89	26.66	.00	7.81	3.87	33.80
12	148.8	308.3	35.3	30.0	56.3	321.24	92.55	456.61	16.61	.00	5.32	3.10	19.22
Average	191.0	495.7	35.0	49.2	132.4	450.41	207.58	679.26	26.40	.06	8.10	5.43	32.76
Total	2291.9	5948.8	420.0	590.2	1588.3	5404.91	2490.90	8151.07	316.82	.72	97.17	65.15	393.06

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	7.9	14.9	1.5	1.6	1.7	18.17	5.07	22.79	.92	.00	.38	.20	1.03
02	7.9	15.4	1.2	1.6	1.2	18.54	4.08	23.25	.92	.00	.36	.12	1.13
03	8.4	15.3	1.3	1.7	3.0	17.37	5.56	23.32	.92	.00	.26	.20	1.13
04	8.0	15.4	1.4	1.7	3.9	15.11	6.34	23.13	.94	.02	.19	.24	1.15
05	6.7	16.9	1.4	1.8	4.9	14.86	7.60	23.06	.88	.01	.25	.20	1.12
06	8.0	15.7	1.1	1.6	6.3	12.88	9.12	22.84	.86	.00	.28	.26	1.15
07	7.9	15.8	.9	1.7	7.3	13.44	9.99	23.51	.96	.00	.30	.23	1.25
08	.6	22.4	.8	1.8	7.6	11.74	10.58	22.89	.91	.00	.24	.15	1.18
09	.3	22.1	1.1	1.8	7.3	12.30	9.45	22.59	.81	.00	.25	.19	1.00
10	7.9	15.8	1.0	1.5	3.2	16.33	5.21	22.89	.87	.00	.26	.11	1.04
11	7.2	15.9	.8	1.6	3.8	16.90	5.77	23.16	.89	.00	.26	.13	1.13
12	7.4	15.4	1.8	1.5	2.8	16.06	4.63	22.83	.83	.00	.27	.16	.96
Average	6.5	16.8	1.2	1.7	4.4	15.31	6.95	23.02	.89	.00	.27	.18	1.11

North City Water Reclamation Plant			
(N34-REC WATER) Recycled Water Chlorine Report			
N34-REC WATER is compliance point for reclaimed water			
	Minimum Daily ¹	Maximum Daily ²	Time ³
Operations 2010	Chlorine Residual	Chlorine Residual	CT less than
Date	(mg/L)	(mg/L)	450 mg-min/l (min)
Jan	5.17	15.50	0
Feb	5.59	9.01	0
Mar	7.12	11.30	0
Apr	4.46	12.91	0
May	4.09	13.14	0
Jun	6.75	11.29	0
Jul	5.91	8.73	0
Aug	4.55	7.02	0
Sep	4.08	6.91	0
Oct	5.19	8.37	0
Nov	4.73	8.63	0
Dec	4.86	8.88	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 2010 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 ⁴

	Average Daily	Minimum Daily ¹	Maximum Daily ²	Time Over ³
Operations 2010	Turbidity	Turbidity	Turbidity	5 NTU's
Date	(NTU)	(NTU)	(NTU)	(MINUTES)
Jan	0.57	0.46	1.13	0.00
Feb	0.44	0.37	0.66	0.00
Mar	0.42	0.35	0.67	0.00
Apr	0.54	0.44	0.85	0.00
May	0.48	0.38	0.78	0.00
Jun	0.37	0.33	0.99	0.00
Jul	0.22	0.20	0.37	0.00
Aug	0.23	0.20	0.39	0.00
Sep	0.23	0.20	0.48	0.00
Oct	0.25	0.21	0.70	0.00
Nov	0.20	0.17	0.52	0.00
Dec	0.20	0.18	0.37	0.00
Average:	0.35		Total:	0.00

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 Reclamation Plant Monthly Monitoring Report
Annual Monitoring Report

2010

(N34-REC) Reclaimed Water - Daily Parameters

MDL/Units	Biochemical Oxygen Demand 2 MG/L	Total Dissolved Solids 28 MG/L	Total Suspended Solids 1.4 MG/L	Volatile Suspended Solids 1.6 MG/L	pH Grab (pH)
JANUARY -2010	ND	895	ND	ND	7.05
FEBRUARY -2010	ND	891	ND	ND	7.17
MARCH -2010	ND	892	ND	ND	7.05
APRIL -2010	ND	882	ND	ND	7.12
MAY -2010	ND	920	<1.4	<1.6	7.21
JUNE -2010	<2	942	ND	ND	7.09
JULY -2010	ND	904	ND	ND	6.99
AUGUST -2010	<2	897	ND	ND	7.01
SEPTEMBER-2010	<2	890	ND	ND	7.00
OCTOBER -2010	ND	862	ND	ND	7.08
NOVEMBER -2010	ND	857	ND	ND	6.93
DECEMBER -2010	ND	846	ND	ND	7.02
Average:	0	890	0	0	7.06
Maximum:	0	942	0	0	7.21
Minimum:	0	846	0	0	6.93

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

	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 -2010	230	1160	210	187	116	7.60
FEBRUARY -2010	204	1130	218	195	101	7.58
MARCH -2010	220	1170	211	188	120	7.65
APRIL -2010	252	1100	224	202	117	7.61
MAY -2010	267	1100	222	199	123	7.58
JUNE -2010	259	1130	231	206	127	7.60
JULY -2010	246	1120	226	202	133	7.58
AUGUST -2010	255	1030	250	220	132	7.42
SEPTEMBER-2010	265	982	244	214	130	7.46
OCTOBER -2010	232	1060	223	200	119	7.51
NOVEMBER -2010	221	1050	204	183	119	7.44
DECEMBER -2010	243	1060	219	192	122	7.54
Average:	241	1091	224	199	122	7.55
Maximum:	267	1170	250	220	133	7.65
Minimum:	204	982	204	183	101	7.42

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

North City Reclamation Plant Annual Monitoring Report
Annual Monitoring Report

2010

(N01-PEN) Penasquitos Pump Station Influent - Daily Parameters

	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 -2010	269	958	366	293	145	7.54
FEBRUARY -2010	232	988	322	271	128	7.46
MARCH -2010	254	981	325	273	133	7.54
APRIL -2010	300	948	311	267	124	7.58
MAY -2010	259	889	328	276	136	7.56
JUNE -2010	256	920	358	303	126	7.53
JULY -2010	243	870	336	277	133	7.50
AUGUST -2010	292	883	300	257	143	7.57
SEPTEMBER-2010	517	918	861	484	165	7.43
OCTOBER -2010	248	848	336	280	146	7.45
NOVEMBER -2010	248	853	339	291	130	7.50
DECEMBER -2010	319	851	350	288	134	7.57
Average:	286	909	378	297	137	7.52
Maximum:	517	988	861	484	165	7.58
Minimum:	232	848	300	257	124	7.43

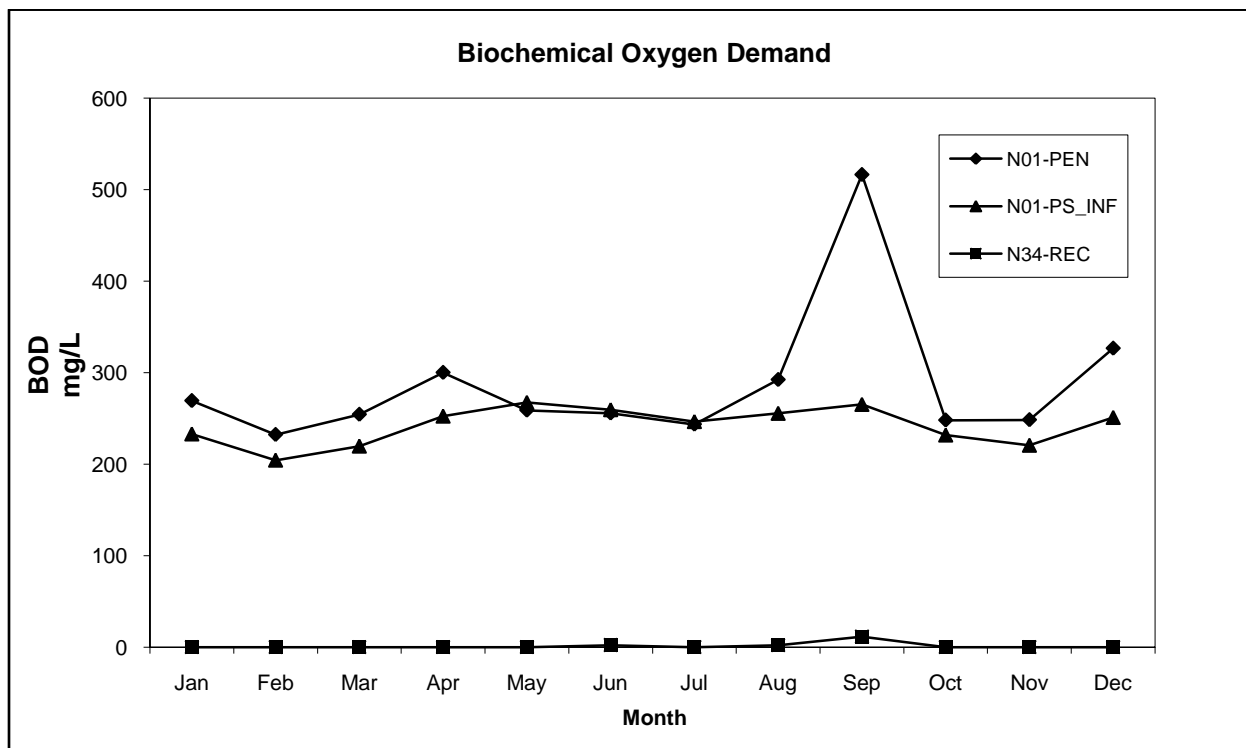
All samples are 24-hour composite.

NA= Not Analyzed

NS= Not Sampled

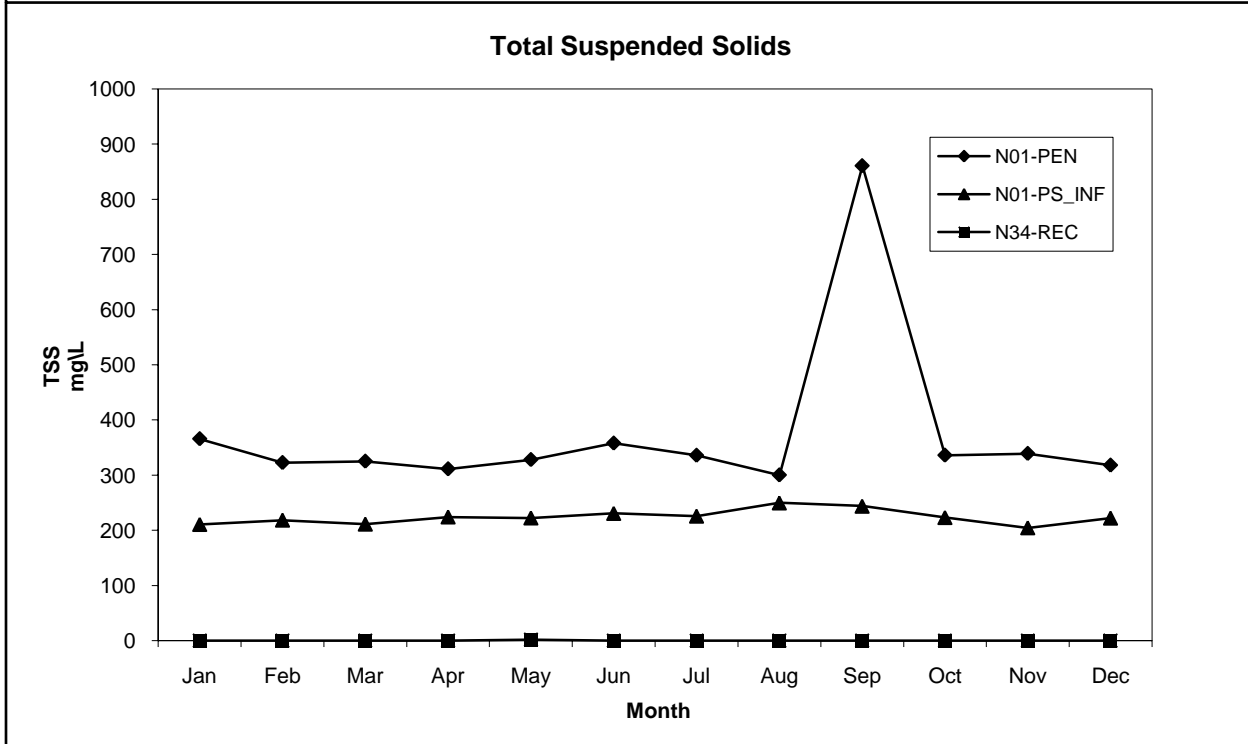
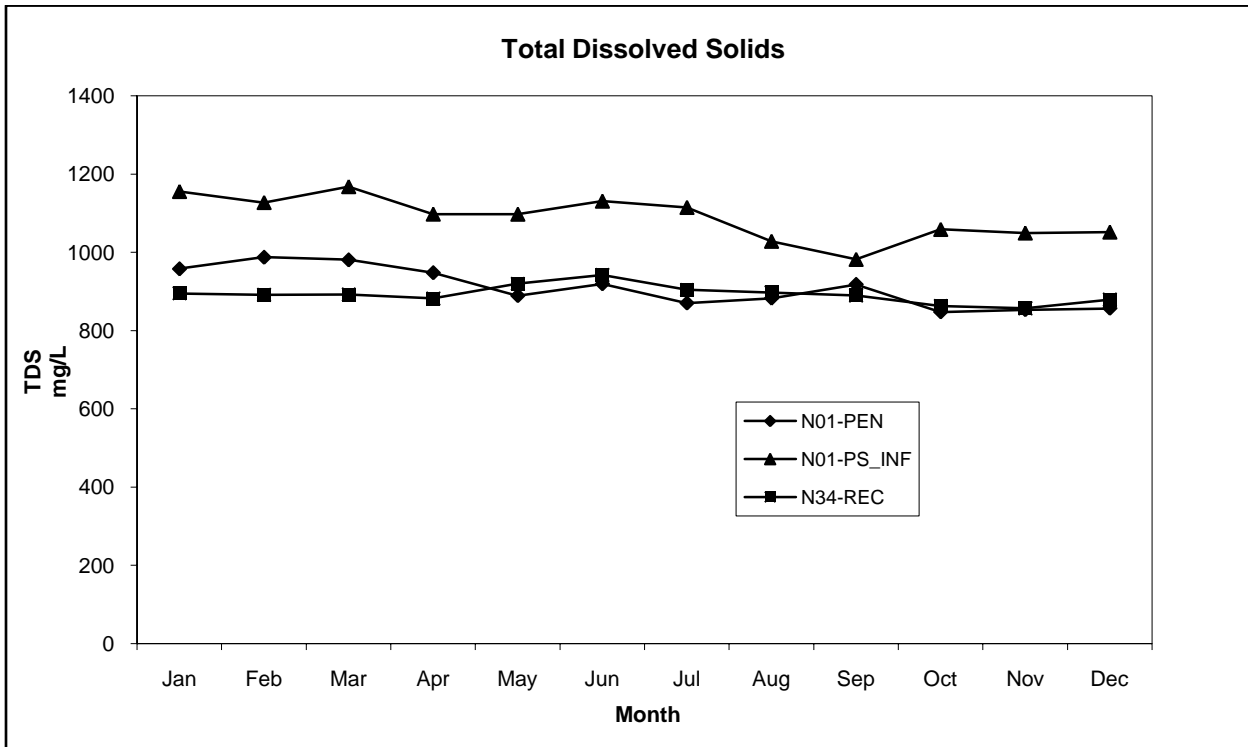
ND= Not Detected

2010



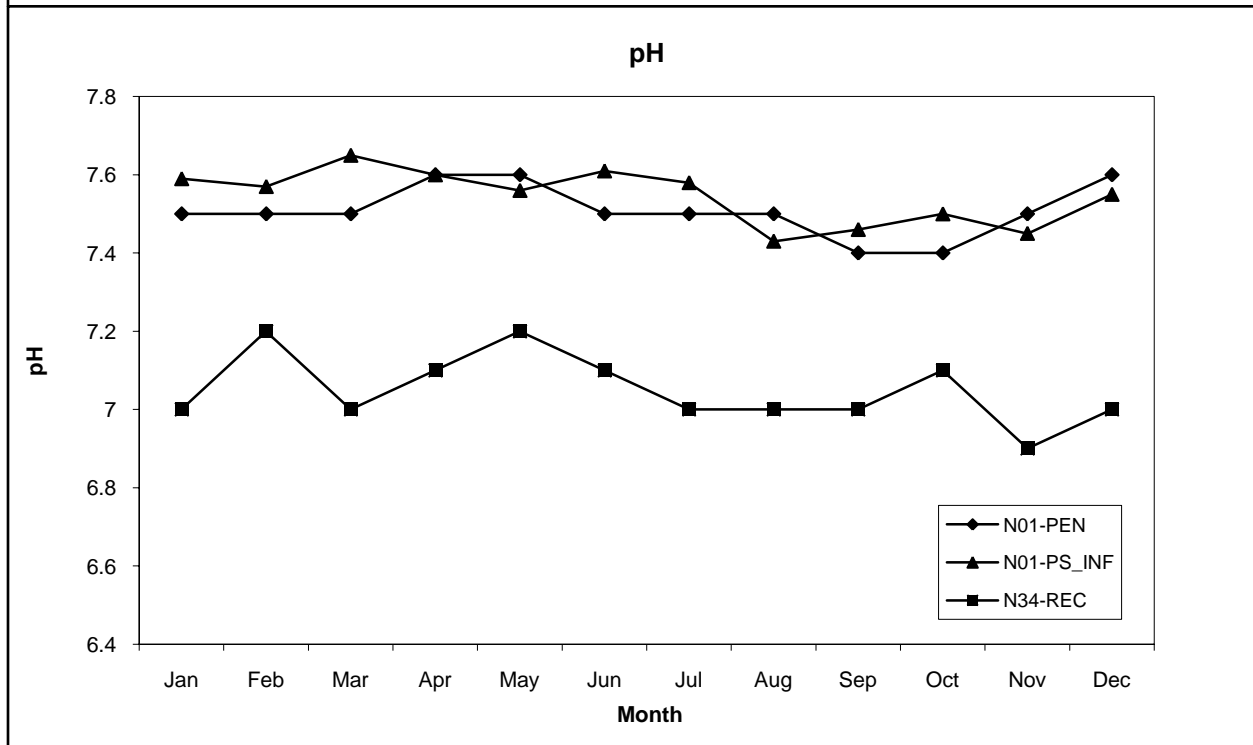
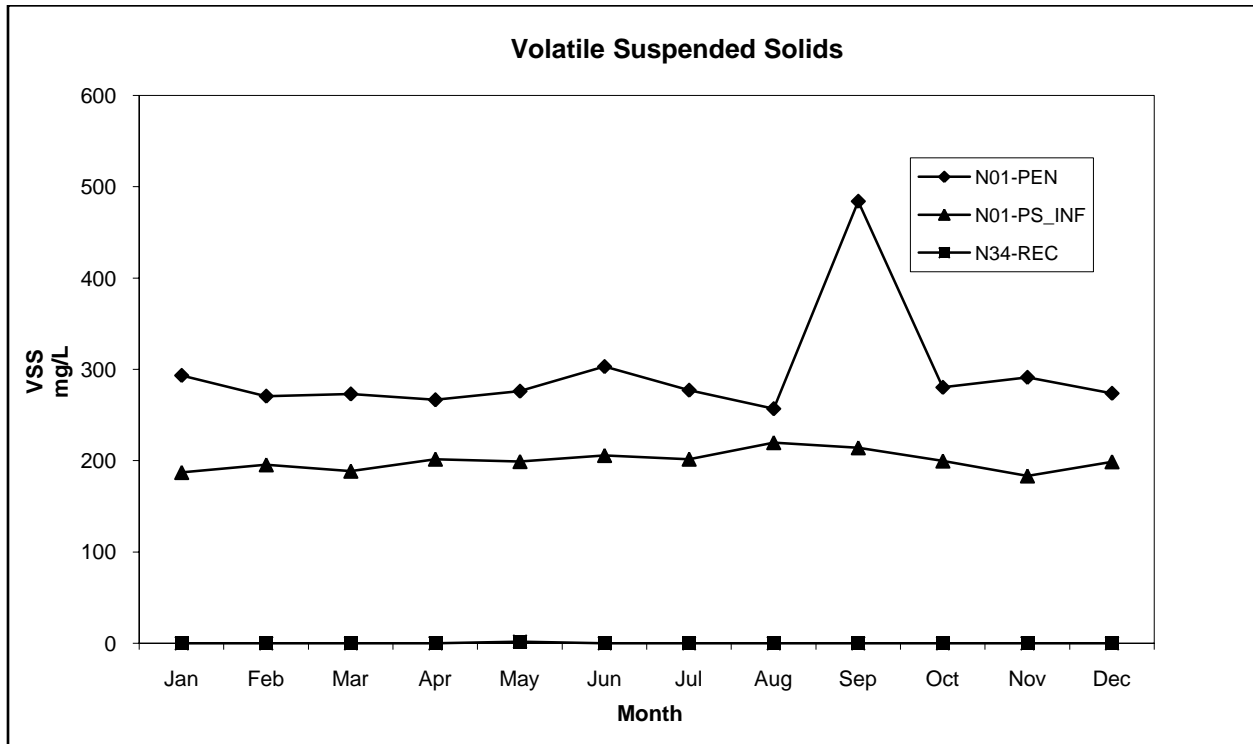
North City Water Reclamation Plant
Annual Monitoring Report

2010



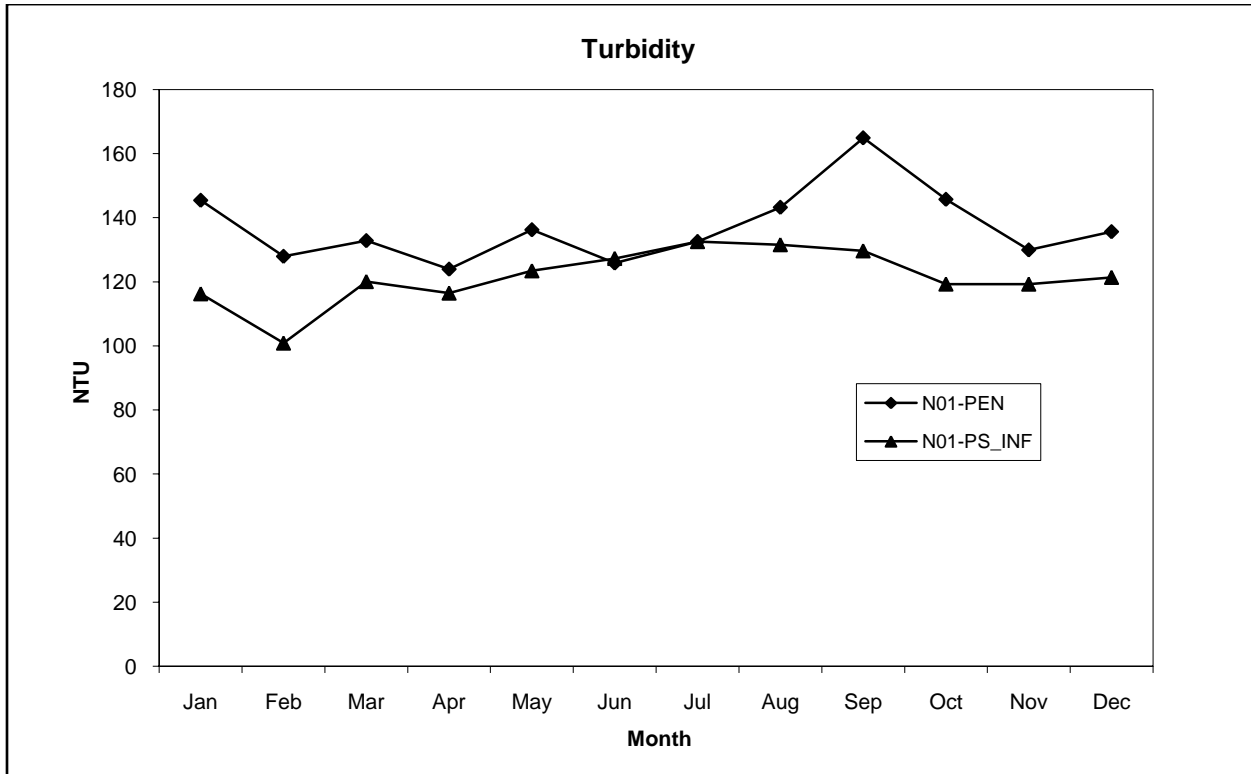
North City Water Reclamation Plant
Annual Monitoring Report

2010



North City Water Reclamation Plant
Annual Monitoring Report

2010



NORTH CITY WATER RECLAMATION PLANT
(N34-REC) Reclaimed Water- Monthly/Annual Averages

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	78	ND	0.45	32.2	ND	337
FEBRUARY -2010	94	ND	0.50	32.3	ND	355
MARCH -2010	146	ND	0.40	30.9	ND	294
APRIL -2010	103	ND	ND	28.8	ND	329
MAY -2010	109	ND	0.55	27.3	ND	387
JUNE -2010	90	ND	0.49	36.0	ND	341
JULY -2010	77	ND	0.57	32.5	ND	375
AUGUST -2010	105	ND	0.66	44.2	ND	379
SEPTEMBER-2010	117	ND	1.13	48.4	ND	331
OCTOBER -2010	103	ND	0.68	28.2	ND	342
NOVEMBER -2010	114	ND	0.45	36.6	0.016	328
DECEMBER -2010	53	ND	0.73	36.5	ND	314
=====	=====	=====	=====	=====	=====	=====
Annual Average:	99	ND	0.55	34.5	0.002	343

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 -2010	ND	ND	ND	6.2	117	ND
FEBRUARY -2010	ND	ND	ND	8.5	101	ND
MARCH -2010	ND	ND	ND	15.8	108	ND
APRIL -2010	ND	ND	ND	5.8	135	ND
MAY -2010	ND	<1.2	ND	5.4	141	ND
JUNE -2010	ND	ND	ND	4.2	133	ND
JULY -2010	<0.5	1.5	ND	9.6	57	<2.00
AUGUST -2010	ND	ND	ND	6.8	50	ND
SEPTEMBER-2010	ND	<1.2	ND	18.7	62	ND
OCTOBER -2010	ND	ND	ND	22.9	110	ND
NOVEMBER -2010	ND	ND	ND	8.8	68	ND
DECEMBER -2010	ND	ND	ND	11.2	<37	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.0	0.125	ND	10.3	90	0.00

Analyte:	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver
MDL:	.24	.09	.89	.53	.28	.4
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Limit:	50	2		100	50	
=====	=====	=====	=====	=====	=====	=====
JANUARY -2010	89	ND	5.9	6.7	0.99	ND
FEBRUARY -2010	39	ND	6.0	8.0	0.91	ND
MARCH -2010	57	ND	6.0	8.5	0.94	<0.40
APRIL -2010	72	ND	6.3	6.4	0.79	ND
MAY -2010	70	ND	6.1	6.5	0.59	ND
JUNE -2010	61	ND	5.5	4.9	0.88	ND
JULY -2010	59	ND	6.3	5.2	0.62	ND
AUGUST -2010	67	ND	6.8	3.6	0.76	ND
SEPTEMBER-2010	38	ND	6.6	4.5	0.72	ND
OCTOBER -2010	57	ND	6.0	6.9	0.54	ND
NOVEMBER -2010	61	ND	5.9	5.2	0.51	ND
DECEMBER -2010	56	ND	6.5	5.1	0.65	ND
=====	=====	=====	=====	=====	=====	=====
Annual Average:	61	ND	6.2	6.0	0.74	0.00

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

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

NORTH CITY WATER RECLAMATION PLANT
(N34-REC) Reclaimed Water- Monthly/Annual Averages

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	ND	ND	26.9	57.5	0.04	24.7
FEBRUARY -2010	ND	0.69	21.4	65.7	0.04	30.1
MARCH -2010	ND	ND	17.0	75.5	0.04	33.2
APRIL -2010	ND	<0.64	15.3	61.6	0.04	27.1
MAY -2010	ND	<0.64	18.8	64.5	0.03	29.8
JUNE -2010	ND	ND	20.7	68.0	0.04	29.6
JULY -2010	ND	ND	23.3	63.8	0.04	28.7
AUGUST -2010	ND	ND	37.7	67.7	0.05	29.9
SEPTEMBER-2010	ND	0.89	50.1	63.9	0.04	28.0
OCTOBER -2010	ND	<0.64	33.7	63.5	0.04	28.2
NOVEMBER -2010	ND	ND	34.7	69.3	0.04	30.9
DECEMBER -2010	ND	<0.64	33.8	63.1	0.04	28.5
=====						
Annual Average:	ND	0.13	27.8	65.3	0.04	29.1

Analyte:	Potassium	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Alkalinity
MDL:	.3	1	.04 MG/L	.1 MG/L	.1 MG/L	MG/L
Units:	MG/L	MG/L				
Limit:						
=====						
JANUARY -2010	13.4	190	144	101	245	139
FEBRUARY -2010	13.6	181	164	123	287	92
MARCH -2010	14.7	196	189	136	325	100
APRIL -2010	14.2	172	154	111	265	80
MAY -2010	16.5	195	161	122	283	115
JUNE -2010	16.3	195	170	121	291	121
JULY -2010	16.3	186	160	118	278	114
AUGUST -2010	17.2	191	169	123	292	115
SEPTEMBER-2010	16.9	185	160	115	275	100
OCTOBER -2010	16.2	184	159	116	275	99
NOVEMBER -2010	16.3	185	173	127	300	109
DECEMBER -2010	15.6	175	158	117	275	106
=====						
Annual Average:	15.6	186	163	119	283	108

Analyte:	Chloride	Fluoride	Nitrate	Sulfate	Ortho Phosphate	MBAS
MDL:	7	.05	.04	9	.2 (surfactants)	
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Limit:	300	1		300		
=====						
JANUARY -2010	238	0.46	30.4	221	2.16	0.18
FEBRUARY -2010	234	0.51	90.7	253	4.35	0.26
MARCH -2010	219	0.60	55.7	248	4.77	0.23
APRIL -2010	231	0.51	49.3	219	1.70	0.19
MAY -2010	242	0.48	40.0	216	5.07	0.29
JUNE -2010	234	0.38	43.8	214	5.50	0.19
JULY -2010	239	0.39	46.5	205	6.42	0.20
AUGUST -2010	233	0.43	41.4	219	5.92	0.17
SEPTEMBER-2010	228	0.43	46.1	204	5.78	0.18
OCTOBER -2010	243	0.43	43.6	193	5.10	0.19
NOVEMBER -2010	233	0.35	43.3	199	5.81	0.12
DECEMBER -2010	227	0.40	45.5	196	5.46	0.13
=====						
Annual Average:	233	0.45	48.0	216	4.84	0.19

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

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

NORTH CITY WATER RECLAMATION PLANT
(N34-REC) Reclaimed Water- Monthly/Annual Averages

From: 01-JAN-2010 to: 31-DEC-2010

Analyte:	Total Organic Carbon	Calculated Percent Sodium	Calculated Sodium Adjusted Adsorption	Total Cyanides	Total Dissolved Solids
MDL:	0.3			.002	28
Units:	MG/L	%	MG/L	MG/L	MG/L
Limit:			6	0.2	1200
=====					
JANUARY -2010	8.2 *	61	5.4	ND	895
FEBRUARY -2010	7.6	57	4.7	0.005	891
MARCH -2010	8.0	55	4.9	ND	892
APRIL -2010	7.6	57	4.2	0.003	882
MAY -2010	9.5	58	4.9	ND	920
JUNE -2010	8.9	58	5.0	0.004	942
JULY -2010	9.0	58	4.8	0.005	904
AUGUST -2010	8.3	57	4.8	0.004	897
SEPTEMBER-2010	8.4	58	4.8	0.004	890
OCTOBER -2010	8.6	57	4.7	0.009	862
NOVEMBER -2010	6.9	56	4.7	0.003	857
DECEMBER -2010	6.6	56	4.5	ND	846
=====					
Annual Average:	8.1	57	4.8	0.003	890

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

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

*Note: This result was determined outside of holding time. The result is not used in calculation of annual average value.

NORTH CITY WATER RECLAMATION PLANT
(N01-PS_INF) Pump Station 64 Influent - Annual Averages

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	657	ND	0.5	107	<0.022	300
FEBRUARY -2010	707	ND	1.1	110	<0.022	339
MARCH -2010	716	ND	1.2	118	<0.022	314
APRIL -2010	611	ND	0.7	111	ND	335
MAY -2010	549	ND	1.2	92	ND	345
JUNE -2010	645	ND	0.7	106	ND	315
JULY -2010	602	ND	0.6	97	ND	377
AUGUST -2010	800	ND	0.8	93	ND	358
SEPTEMBER-2010	1240	ND	2.1	102	ND	345
OCTOBER -2010	715	ND	0.7	91	0.027	307
NOVEMBER -2010	624	ND	0.7	97	<0.022	332
DECEMBER -2010	516	ND	0.9	96	ND	317
=====	=====	=====	=====	=====	=====	=====
Annual Average:	699	ND	0.9	102	0.002	332

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 -2010	ND	2.2	1.02	131	540	2.6
FEBRUARY -2010	ND	2.3	ND	123	498	ND
MARCH -2010	ND	1.9	ND	112	778	<2.0
APRIL -2010	ND	2.1	ND	115	963	2.3
MAY -2010	ND	2.5	ND	122	596	<2.0
JUNE -2010	ND	3.3	ND	121	844	<2.0
JULY -2010	ND	3.7	ND	124	563	<2.0
AUGUST -2010	ND	2.3	<0.85	116	472	<2.0
SEPTEMBER-2010	ND	3.0	ND	148	657	<2.0
OCTOBER -2010	ND	3.4	ND	134	674	ND
NOVEMBER -2010	ND	1.8	ND	128	424	ND
DECEMBER -2010	ND	3.2	<0.85	126	453	<2.0
=====	=====	=====	=====	=====	=====	=====
Annual Average:	ND	2.6	0.09	125	622	0.4

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.09	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2010	0.055	110	0.12	7.56	3.4	2.09
FEBRUARY -2010	0.050	120	0.45	8.77	4.5	2.29
MARCH -2010	0.052	112	ND	9.50	4.3	2.17
APRIL -2010	0.059	114	0.33	8.07	5.6	1.72
MAY -2010	0.040	120	0.10	8.35	5.1	2.59
JUNE -2010	0.054	113	ND	8.58	4.9	1.88
JULY -2010	0.049	115	0.05	15.60	6.3	1.64
AUGUST -2010	0.054	101	ND	10.70	5.6	1.79
SEPTEMBER-2010	0.046	108	ND	11.80	6.4	1.69
OCTOBER -2010	0.045	121	0.05	9.39	6.8	1.22
NOVEMBER -2010	0.051	124	0.05	12.30	5.0	1.69
DECEMBER -2010	0.048	138	0.06	8.84	4.5	1.53
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.050	116	0.10	10	5.2	1.86

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

NORTH CITY WATER RECLAMATION PLANT
(N01-PS_INF) Pump Station 64 Influent - Annual Averages

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	1.0	<3.9	0.64	135	93.0	39.5
FEBRUARY -2010	1.3	ND	0.95	142	86.6	38.7
MARCH -2010	3.7	ND	1.04	127	96.7	42.8
APRIL -2010	1.1	ND	1.30	130	93.6	40.6
MAY -2010	1.3	ND	ND	337	83.5	38.3
JUNE -2010	1.8	<3.9	ND	145	95.6	40.7
JULY -2010	1.5	ND	ND	140	92.5	41.4
AUGUST -2010	0.8	ND	1.11	133	84.6	37.6
SEPTEMBER-2010	0.7	ND	1.67	166	84.7	36.6
OCTOBER -2010	1.4	ND	1.10	136	84.8	38.5
NOVEMBER -2010	1.2	ND	<0.64	132	89.5	40.3
DECEMBER -2010	1.8	ND	<0.64	126	84.3	38.0
Annual Average:	1.5	0.0	0.65	154	89.1	39.4

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 -2010	19.9	208	NR	NR	NR	1160
FEBRUARY -2010	18.1	197	311	0.60	288	1130
MARCH -2010	19.4	225	NR	NR	NR	1170
APRIL -2010	20.0	207	NR	NR	NR	1100
MAY -2010	21.8	214	296	0.48	207	1100
JUNE -2010	21.8	225	NR	NR	NR	1130
JULY -2010	22.4	239	NR	NR	NR	1120
AUGUST -2010	21.1	223	299	0.53	231	1030
SEPTEMBER-2010	21.5	208	NR	NR	NR	982
OCTOBER -2010	22.0	212	302	0.28	224	1060
NOVEMBER -2010	20.3	216	NR	NR	NR	1050
DECEMBER -2010	19.7	209	NR	NR	NR	1030
Annual Average:	20.7	215	302	0.47	238	1088.5

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
JANUARY -2010	ND
FEBRUARY -2010	ND
MARCH -2010	0.003
APRIL -2010	0.003
MAY -2010	0.002
JUNE -2010	ND
JULY -2010	ND
AUGUST -2010	ND
SEPTEMBER-2010	ND
OCTOBER -2010	0.002
NOVEMBER -2010	ND
DECEMBER -2010	ND
Annual Average:	0.001

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

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

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	2380	ND	1.81	139	0.10	312
FEBRUARY -2010	902	ND	1.70	99	0.15	325
MARCH -2010	935	ND	1.66	110	0.08	292
APRIL -2010	1120	ND	1.08	112	ND	310
MAY -2010	2290	ND	3.01	89	ND	343
JUNE -2010	2990	ND	2.12	103	0.08	306
JULY -2010	2150	ND	2.59	89	ND	351
AUGUST -2010	623	ND	1.01	80	ND	318
SEPTEMBER-2010*	NA	NA	NA	NA	NA	NA
OCTOBER -2010	2300	ND	1.98	84	ND	314
NOVEMBER -2010	2320	ND	2.61	99	0.03	303
DECEMBER -2010	1420	ND	1.93	87	ND	319
=====	=====	=====	=====	=====	=====	=====
Annual Average:	1766	ND	1.95	99	0.04	318

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 -2010	ND	14.5	2.01	153	17900	3.4
FEBRUARY -2010	ND	23.2	2.17	88	10400	ND
MARCH -2010	ND	14.9	1.24	122	12200	3.6
APRIL -2010	ND	10.9	1.30	105	10000	3.3
MAY -2010	ND	8.7	<0.85	98	4930	ND
JUNE -2010	ND	9.9	ND	104	10500	2.0
JULY -2010	ND	9.3	1.08	89	6740	3.3
AUGUST -2010	ND	3.4	ND	84	1420	2.2
SEPTEMBER-2010*	NA	NA	NA	NA	NA	NA
OCTOBER -2010	ND	8.2	3.02	105	13500	ND
NOVEMBER -2010	ND	13.4	1.04	131	9730	<2.0
DECEMBER -2010	ND	14.9	1.02	105	7040	3.3
=====	=====	=====	=====	=====	=====	=====
Annual Average:	ND	11.9	1.17	108	9487	1.9

Analyte:	Lithium	Manganese	Mercury	Molybdenum	Nickel	Selenium
MDL:	.002	.24	.09	.89	.53	.28
Units:	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2010	0.049	136	ND	14.90	20.7	1.38
FEBRUARY -2010	0.046	103	ND	17.90	43.0	1.88
MARCH -2010	0.047	98	ND	14.60	26.3	1.64
APRIL -2010	0.052	99	ND	11.00	18.3	1.42
MAY -2010	0.035	113	0.18	10.70	11.7	1.71
JUNE -2010	0.047	113	0.23	17.70	12.6	1.56
JULY -2010	0.043	103	0.09	8.04	9.6	1.48
AUGUST -2010	0.046	57	ND	7.85	5.3	1.40
SEPTEMBER-2010*	NA	NA	NA	NA	NA	NA
OCTOBER -2010	0.039	166	0.02	10.30	9.9	1.00
NOVEMBER -2010	0.046	123	0.09	11.30	15.3	1.42
DECEMBER -2010	0.041	101	0.14	19.70	13.9	1.67
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.045	110	0.07	13.09	17.0	1.51

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required
 *= No Penasquitos pump station flow between Sept 1 - Sept 28.

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

From: 01-JAN-2010 to: 31-DEC-2010

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 -2010	0.47	ND	4.72	161	83.9	35.3
FEBRUARY -2010	0.54	ND	4.15	136	83.3	38.0
MARCH -2010	1.06	ND	4.10	133	92.7	43.7
APRIL -2010	0.50	ND	4.28	145	89.4	39.5
MAY -2010	0.58	ND	4.17	136	74.7	35.6
JUNE -2010	0.45	ND	4.00	144	84.3	37.4
JULY -2010	0.62	<3.90	3.09	137	77.9	35.1
AUGUST -2010	0.41	ND	3.15	133	72.8	33.0
SEPTEMBER-2010*	NA	NA	NA	NA	NA	NA
OCTOBER -2010	1.06	ND	4.94	139	69.0	31.1
NOVEMBER -2010	0.86	ND	4.71	160	75.8	34.1
DECEMBER -2010	3.18	ND	4.47	141	72.2	33.7
=====	=====	=====	=====	=====	=====	=====
Annual Average:	0.88	0.00	4.16	142	79.6	36.0

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 -2010	19.0	169	NR	NR	NR	958
FEBRUARY -2010	17.1	174	242	0.68	281	988
MARCH -2010	17.7	201	NR	NR	NR	981
APRIL -2010	18.3	176	NR	NR	NR	948
MAY -2010	19.1	170	207	0.51	183	889
JUNE -2010	19.1	184	NR	NR	NR	920
JULY -2010	19.3	177	NR	NR	NR	870
AUGUST -2010	18.3	164	190	0.66	185	883
SEPTEMBER-2010*	NA	NA	NA	NA	NA	NA
OCTOBER -2010	19.3	159	213	0.41	195	848
NOVEMBER -2010	18.8	170	NR	NR	NR	853
DECEMBER -2010	18.2	171	NR	NR	NR	892
=====	=====	=====	=====	=====	=====	=====
Annual Average:	18.6	174	213	0.57	211	912.3

Analyte:	Total Cyanides
MDL:	.002
Units:	MG/L
=====	=====
JANUARY -2010	ND
FEBRUARY -2010	ND
MARCH -2010	ND
APRIL -2010	ND
MAY -2010	ND
JUNE -2010	ND
JULY -2010	ND
AUGUST -2010	ND
SEPTEMBER-2010*	NA
OCTOBER -2010	ND
NOVEMBER -2010	0.002
DECEMBER -2010	ND
=====	=====
Annual Average:	0.000

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required
 *= No Penasquitos pump station flow between Sept 1 - Sept 28.

Annual Pretreatment Program Sludge Analysis

2010 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 2010, 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.

pH, Grease & Oils, 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

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504408	P515410	P524968	P533525
Aluminum	47 UG/L	722	614	500	640
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.10	1.22	0.79	0.72
Barium	.039 UG/L	108	79	88	96
Beryllium	.022 UG/L	ND	ND	ND	<0.022
Boron	7 UG/L	342	363	353	341
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.1	2.5	1.5	2.8
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	127.0	120.0	105.0	156.0
Iron	37 UG/L	602	703	468	617
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	121.00	125.00	99.40	130.00
Mercury	.09 UG/L	0.45	0.10	ND	0.05
Molybdenum	.89 UG/L	8.3	7.0	9.8	10.4
Nickel	.53 UG/L	4.8	5.3	4.4	7.8
Selenium	.28 UG/L	2.29	2.59	1.79	1.22
Silver	.4 UG/L	1.1	1.2	1.0	1.7
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	0.9	ND	0.9	1.2
Zinc	2.5 UG/L	147.0	148.0	121.0	143.0
Total Kjeldahl Nitrogen	1.6 MG/L	48.0	54.1	55.1	56.3
Calcium	.04 MG/L	87	84	85	85
Lithium	.002 MG/L	0.050	0.040	0.054	0.045
Magnesium	.1 MG/L	39	38	38	39
Potassium	.3 MG/L	18	22	21	22
Sodium	1 MG/L	197	214	223	212
Calcium Hardness	.1 MG/L	216	209	211	212
Magnesium Hardness	.4 MG/L	159	158	155	159
Total Hardness	.4 MG/L	376	366	366	370
Bromide	.1 MG/L	0.62	0.64	0.48	0.52
Chloride	7 MG/L	311	296	299	302
Fluoride	.05 MG/L	0.60	0.48	0.53	0.28
Nitrate	.04 MG/L	0.10	0.17	0.14	ND
Ortho Phosphate	.2 MG/L	8.82	10.20	10.20	9.29
Sulfate	9 MG/L	288	207	231	224
Cyanides, Total	.002 MG/L	ND	0.002	ND	0.002
Adjusted Sodium Adsorption	MG/L	NR	NR	NR	NR
Percent Sodium	PERCENT	NR	NR	NR	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Sulfides-Total	.18 MG/L	0.75	2.07	4.01	0.96
Ammonia-N	.3 MG/L	35.9	40.4	41.8	41.2

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
 N10-PSP COMB = Combined Primary Sludge Pump
 N30-DFE = Disinfected Final Effluent

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		N01-PEN	N01-PEN	N01-PEN	N01-PEN
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504413	P515415	P524973	P533530
Aluminum	47 UG/L	1120	2420	623	1610
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.70	3.01	1.01	1.98
Barium	.039 UG/L	95	81	80	77
Beryllium	.022 UG/L	0.05	ND	ND	ND
Boron	7 UG/L	324	350	318	330
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	9.6	6.5	3.4	7.9
Cobalt	.85 UG/L	1.66	0.96	ND	ND
Copper	2 UG/L	72.2	97.9	84.3	111.0
Iron	37 UG/L	9150	3510	1420	13700
Lead	2 UG/L	ND	ND	2	ND
Manganese	.24 UG/L	101.00	115.00	56.60	169.00
Mercury	.09 UG/L	ND	0.18	ND	0.02
Molybdenum	.89 UG/L	12.3	9.1	7.9	11.0
Nickel	.53 UG/L	27.2	9.4	5.3	10.2
Selenium	.28 UG/L	1.88	1.71	1.40	1.00
Silver	.4 UG/L	0.6	0.6	0.4	0.7
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	4.0	4.3	3.2	3.3
Zinc	2.5 UG/L	130.0	135.0	133.0	138.0
Total Kjeldahl Nitrogen	1.6 MG/L	49.4	46.7	45.8	50.7
Calcium	.04 MG/L	83	75	73	69
Lithium	.002 MG/L	0.046	0.035	0.046	0.039
Magnesium	.1 MG/L	38	36	33	31
Potassium	.3 MG/L	17	19	18	19
Sodium	1 MG/L	174	170	164	159
Calcium Hardness	.1 MG/L	208	187	182	172
Magnesium Hardness	.4 MG/L	157	147	136	128
Total Hardness	.4 MG/L	365	333	317	300
Bromide	.1 MG/L	0.32	0.40	0.26	0.21
Chloride	7 MG/L	242	207	190	213
Fluoride	.05 MG/L	0.68	0.51	0.66	0.41
Nitrate	.04 MG/L	2.98	0.16	7.61	ND
Ortho Phosphate	.2 MG/L	1.76	8.17	10.40	0.67
Sulfate	9 MG/L	281	183	185	195
Cyanides, Total	.002 MG/L	ND	ND	ND	ND
Adjusted Sodium Adsorption	MG/L	NR	NR	NR	NR
Percent Sodium	PERCENT	NR	NR	NR	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Sulfides-Total	.18 MG/L	3.63	4.81	3.86	2.74
Ammonia-N	.3 MG/L	33.9	34.9	35.4	36.2

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
 N10-PSP COMB = Combined Primary Sludge Pump
 N30-DFE = Disinfected Final Effluent

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

From: 01-JAN-2010 To: 31-DEC-2010

Source:		N10-EFF	N10-EFF	N10-EFF	N10-EFF
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504418	P515420	P524978	P533535
Aluminum	47 UG/L	498	562	363	468
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.10	1.26	0.73	0.96
Barium	.039 UG/L	86	64	79	67
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	339	368	376	201
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.8	3.3	1.4	3.2
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	64.9	71.5	75.7	83.3
Iron	37 UG/L	2340	871	465	3110
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	106.00	110.00	96.30	127.00
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	8.5	7.2	9.6	8.8
Nickel	.53 UG/L	9.6	5.8	4.1	5.6
Selenium	.28 UG/L	1.70	1.39	1.43	1.12
Silver	.4 UG/L	ND	0.6	0.6	0.5
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	0.9	0.7	1.0	ND
Zinc	2.5 UG/L	75.3	77.5	75.8	75.3
Total Kjeldahl Nitrogen	1.6 MG/L	42.2	46.8	49.0	49.6
Calcium	.04 MG/L	95	77	82	80
Lithium	.002 MG/L	0.048	0.035	0.050	0.044
Magnesium	.1 MG/L	43	36	36	36
Potassium	.3 MG/L	19	20	20	21
Sodium	1 MG/L	215	195	204	197
Calcium Hardness	.1 MG/L	238	193	206	199
Magnesium Hardness	.4 MG/L	178	148	148	148
Total Hardness	.4 MG/L	417	341	354	348
Bromide	.1 MG/L	0.52	0.56	0.47	0.39
Chloride	7 MG/L	285	262	280	275
Fluoride	.05 MG/L	0.63	0.47	0.55	0.46
Nitrate	.04 MG/L	ND	0.16	0.12	0.08
Ortho Phosphate	.2 MG/L	5.49	9.18	9.14	5.29
Sulfate	9 MG/L	288	199	236	214
Cyanides, Total	.002 MG/L	ND	ND	ND	ND
Adjusted Sodium Adsorption	MG/L	NR	NR	NR	NR
Percent Sodium	PERCENT	NR	NR	NR	NR
Total Organic Carbon	MG/L	NR	NR	NR	NR
Sulfides-Total	.18 MG/L	0.77	1.38	0.28	0.96
Ammonia-N	.3 MG/L	33.7	38.1	39.0	40.7

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
 N10-PSP COMB = Combined Primary Sludge Pump
 N30-DFE = Disinfected Final Effluent

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

From: 01-JAN-2010 to: 31-DEC-2010

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Sample ID:	MDL Units	P504423	P515425	P524983	P533540
Aluminum	47 UG/L	98	98	104	115
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.50	0.55	0.66	0.68
Barium	.039 UG/L	32	18	36	28
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	361	396	390	352
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	6.7	5.2	5.4	19.9
Iron	37 UG/L	107	129	52	109
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	45.60	72.10	85.00	82.90
Mercury	.09 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	6.1	5.6	5.6	6.2
Nickel	.53 UG/L	9.1	6.1	3.5	5.3
Selenium	.28 UG/L	0.91	0.59	0.76	0.54
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	0.7	0.8	ND	ND
Zinc	2.5 UG/L	20.5	13.7	30.9	26.0
Total Kjeldahl Nitrogen	1.6 MG/L	ND	ND	ND	ND
Calcium	.04 MG/L	66	65	68	64
Lithium	.002 MG/L	0.041	0.031	0.046	0.036
Magnesium	.1 MG/L	30	30	30	28
Potassium	.3 MG/L	14	17	17	16
Sodium	1 MG/L	181	195	191	184
Calcium Hardness	.1 MG/L	164	161	169	159
Magnesium Hardness	.4 MG/L	124	123	123	117
Total Hardness	.4 MG/L	288	284	292	275
Bromide	.1 MG/L	ND	ND	ND	ND
Chloride	7 MG/L	234	248	248	243
Fluoride	.05 MG/L	0.51	0.41	0.44	0.43
Nitrate	.04 MG/L	90.70	40.70	43.60	51.00
Ortho Phosphate	.2 MG/L	4.35	4.29	7.19	5.10
Sulfate	9 MG/L	253	187	220	193
Cyanides, Total	.002 MG/L	0.005	ND	0.004	0.009
Adjusted Sodium Adsorption	MG/L	4.7	4.9	4.8	4.7
Percent Sodium	PERCENT	56.7	58.1	57.0	57.3
Total Organic Carbon	MG/L	7.6	9.5	8.3	8.6
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Ammonia-N	.3 MG/L	0.4	ND	ND	0.5

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
 N15-WAS_LCP = Waste Activated Sludge (Low Capacity Pump)
 N30-DFE = Disinfected Final Effluent

NORTH CITY WATER RECLAMATION PLANT
 QUARTERLY SLUDGE PROJECT
 Radioactivity

From: 01-JAN-2010 to: 31-DEC-2010

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
N10-EFF	02-FEB-2010	P504418	4.6±2.7	21.6±4.9
N10-EFF	04-MAY-2010	P515420	1.5±2.1	22.1±5.6
N10-EFF	03-AUG-2010	P524978	2.5±2.0	25.8±5.7
N10-EFF	05-OCT-2010	P533535	3.1±2.9	20.0±6.6
N01-PS_INF	02-FEB-2010	P504408	3.3±3.3	21.8±5.8
N01-PS_INF	04-MAY-2010	P515410	0.8±2.1	32.7±7.5
N01-PS_INF	03-AUG-2010	P524968	8.6±3.7	29.6±7.4
N01-PS_INF	05-OCT-2010	P533525	1.8±7.0	30.8±18.0
N01-PEN	02-FEB-2010	P504413	3.4±2.2	21.0±4.6
N01-PEN	04-MAY-2010	P515415	3.5±2.6	21.6±5.8
N01-PEN	03-AUG-2010	P524973	3.9±2.3	20.6±4.6
N01-PEN	05-OCT-2010	P533530	3.7±3.0	18.2±6.1
N34-REC WATER	02-FEB-2010	P504423	3.8±1.9	16.3±4.1
N34-REC WATER	04-MAY-2010	P515425	0.9±1.5	17.7±5.2
N34-REC WATER	03-AUG-2010	P524983	-0.1±1.3	13.4±4.1
N34-REC WATER	05-OCT-2010	P533540	0.6±3.0	17.4±7.1

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

Units in picocuries per Liter (pCi/L)

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
 N10-PSP COMB = Combined Primary Sludge Pump
 N15-WAS LCP = Waste Activated Sludge (Low Capacity Pump)
 N15-WAS HCP = Waste Activated Sludge (High Capacity Pump)
 N30-DFE = Disinfected Final Effluent

North City Water Reclamation Plant
Quarterly Sludge Project

January 2010

Physical Parameters

Analytes	MDL Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Ammonia-N	.3 MG/L	35.9	40.4	41.8	41.2
BOD (Biochemical Oxygen Demand)	2 MG/L	225.0	253.0	355.0	223.0
Hexane Extractable Material	1.2 MG/L	21.8	34.2	36.8	23.7
Chemical Oxygen Demand	18 MG/L	655	623	471	567
Conductivity	10 UMHOS/CM	2050	2030	2040	1710
MBAS (Surfactants)	.03 MG/L	8.2	7.5	6.7	6.6
pH (grab)	PH	7.4	7.3	7.3	7.3
Total Alkalinity (bicarbonate)	20 MG/L	275	283	293	283
Total Dissolved Solids	28 MG/L	1130	1080	1100	1060
Total Suspended Solids	1.4 MG/L	274.0	230.0	288.0	270.0
Volatile Suspended Solids	1.6 MG/L	246.0	214.0	256.0	244.0
Total Kjeldahl Nitrogen	1.6 MG/L	48.0	54.1	55.1	56.3
Turbidity	.13 NTU	110.0	120.0	130.0	120.0
Sulfides-Total	.18 MG/L	0.8	2.1	4.0	1.0

Analytes	MDL Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Ammonia-N	.3 MG/L	33.9	34.9	35.4	36.2
BOD (Biochemical Oxygen Demand)	2 MG/L	219.0	212.0	226.0	225.0
Hexane Extractable Material	1.2 MG/L	54.4	62.9	58.8	59.3
Chemical Oxygen Demand	18 MG/L	1210	550	394	493
Conductivity	10 UMHOS/CM	1860	1730	1670	1660
MBAS (Surfactants)	.03 MG/L	9.2	8.9	5.0	7.2
pH (grab)	PH	7.4	7.4	7.2	7.0
Total Alkalinity (bicarbonate)	20 MG/L	292	305	318	274
Total Dissolved Solids	28 MG/L	976	892	872	840
Total Suspended Solids	1.4 MG/L	343.0	260.0	160.0	370.0
Volatile Suspended Solids	1.6 MG/L	303.0	220.0	140.0	310.0
Total Kjeldahl Nitrogen	1.6 MG/L	49.4	46.7	45.8	50.7
Turbidity	.13 NTU	140.0	110.0	150.0	140.0
Sulfides-Total	.18 MG/L	3.6	4.8	3.9	2.7

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Quarterly Sludge Project

January 2010

Physical Parameters

Analytes	MDL Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Ammonia-N	.3 MG/L	33.7	38.1	39.0	40.7
BOD (Biochemical Oxygen Demand)	2 MG/L	130.0	159.0	171.0	134.0
Hexane Extractable Material	1.2 MG/L	34.0	34.9	50.0	39.1
Chemical Oxygen Demand	18 MG/L	332	344	378	357
Conductivity	10 UMHOS/CM	1980	1910	1970	2050
MBAS (Surfactants)	.03 MG/L	8.0	6.8	5.5	6.4
pH (grab)	PH	7.4	7.5	7.4	7.4
Total Alkalinity (bicarbonate)	20 MG/L	269	292	288	271
Total Dissolved Solids	28 MG/L	1120	1050	1060	996
Total Suspended Solids	1.4 MG/L	98.0	70.0	82.0	102.0
Volatile Suspended Solids	1.6 MG/L	83.0	60.0	70.0	84.0
Total Kjeldahl Nitrogen	1.6 MG/L	42.2	46.8	49.0	49.6
Turbidity	.13 NTU	77.0	74.0	96.0	83.0
Sulfides-Total	.18 MG/L	0.8	1.4	0.3	1.0

Analytes	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
Ammonia-N	.3 MG/L	0.4	ND	ND	0.5
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	ND	ND	ND
Hexane Extractable Material	1.2 MG/L	2.9	4.2	2.4	4.3
Chemical Oxygen Demand	18 MG/L	20	34	26	46
Conductivity	10 UMHOS/CM	1520	1510	1570	1510
MBAS (Surfactants)	.03 MG/L	0.3	0.3	0.2	0.2
pH (grab)	PH	7.2	7.2	7.1	7.1
Total Alkalinity (bicarbonate)	20 MG/L	92	115	115	99
Total Dissolved Solids	28 MG/L	930	892	938	874
Total Suspended Solids	1.4 MG/L	ND	ND	ND	ND
Volatile Suspended Solids	1.6 MG/L	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6 MG/L	ND	ND	ND	ND
Total Organic Carbon	MG/L	7.6	9.5	8.3	8.6
Turbidity	.13 NTU	1.0	2.4	0.8	1.4
Sulfides-Total	.18 MG/L	ND	ND	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Annual Monitoring Report

2010

Organo-Tins

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504408	P515410	P524968	P533525
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	N01-PEN
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504413	P515415	P524973	P533530
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	N10-EFF
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504418	P515420	P524978	P533535
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	N34-REC WATER
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504423	P515425	P524983	P533540
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

ND= Not Detected
NA= Not Analyzed

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Chlorinated Pesticides

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			02-FEB-2010 P504408	04-MAY-2010 P515410	03-AUG-2010 P524968	05-OCT-2010 P533525
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
Semi Annual Sludge Project

2010

Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			02-FEB-2010 P504413	04-MAY-2010 P515415	03-AUG-2010 P524973	05-OCT-2010 P533530
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
Semi Annual Sludge Project

2010

Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			02-FEB-2010 P504418	04-MAY-2010 P515420	03-AUG-2010 P524978	05-OCT-2010 P533535
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	7	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	7	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	7	0	0	0

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Chlorinated Pesticides

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			02-FEB-2010 P504423	04-MAY-2010 P515425	03-AUG-2010 P524983	05-OCT-2010 P533540
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
Semi Annual Sludge Project

2010

Base/Neutral Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504408	P515410	P524968	P533525
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	4.1	6.2	5.8	5.5
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	12.5	12.7
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	3.3	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	4.1	6.2	21.6	18.2
Additional analytes determined;						
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	4.7	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			02-FEB-2010 P504413	04-MAY-2010 P515415	03-AUG-2010 P524973	05-OCT-2010 P533530
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	5.8	6.8	5.3	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	19.1	11.7	ND	11.7
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	4.5
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	24.9	18.5	5.3	16.2

Additional analytes determined;

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	3.5	4.1	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Base/Neutral Compounds

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			02-FEB-2010	04-MAY-2010	03-AUG-2010	05-OCT-2010
			P504418	P515420	P524978	P533535
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	7.7	9.4	6.2	10.8
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	12.5	16.7	9.0	18.9
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	4.2
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	20.2	26.1	15.2	33.9

Additional analytes determined;

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	4.1	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Base/Neutral Compounds

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			02-FEB-2010 P504423	04-MAY-2010 P515425	03-AUG-2010 P524983	05-OCT-2010 P533540
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	ND	ND	ND	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	ND	11.4	ND	9.0
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	0.0	11.4	0.0	9.0

Additional analytes determined;

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

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Organophosphorous Pesticides

Analyte	MDL Units	N01-PS_INF	N01-PS_INF	N01-PEN	N01-PEN
		04-MAY-2010 P515410	05-OCT-2010 P533525	04-MAY-2010 P515415	05-OCT-2010 P533530
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
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	NA	ND	NA
Ethoprop	.04 UG/L	ND	NA	ND	NA
Phorate	.04 UG/L	ND	NA	ND	NA
Sulfotepp	.04 UG/L	ND	NA	ND	NA
Disulfoton	.02 UG/L	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	NA	ND	NA
Trichloronate	.04 UG/L	ND	NA	ND	NA
Merphos	.09 UG/L	ND	NA	ND	NA
Dichlofenthion	.03 UG/L	ND	NA	ND	NA
Tokuthion	.06 UG/L	ND	NA	ND	NA
Stirophos	.03 UG/L	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	NA	ND	NA
Fensulfothion	.07 UG/L	ND	NA	ND	NA
EPN	.09 UG/L	ND	NA	ND	NA
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	NA	ND	NA
Mevinphos, z isomer	.3 UG/L	ND	NA	ND	NA
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Organophosphorous Pesticides

Analyte	MDL Units	N10-EFF	N10-EFF	N34-REC WATER	N34-REC WATER
		04-MAY-2010 P515420	05-OCT-2010 P533535	04-MAY-2010 P515425	05-OCT-2010 P533540
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
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Dibrom	.2 UG/L	ND	NA	ND	NA
Ethoprop	.04 UG/L	ND	NA	ND	NA
Phorate	.04 UG/L	ND	NA	ND	NA
Sulfotepp	.04 UG/L	ND	NA	ND	NA
Disulfoton	.02 UG/L	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND
Ronnel	.03 UG/L	ND	NA	ND	NA
Trichloronate	.04 UG/L	ND	NA	ND	NA
Merphos	.09 UG/L	ND	NA	ND	NA
Dichlofenthion	.03 UG/L	ND	NA	ND	NA
Tokuthion	.06 UG/L	ND	NA	ND	NA
Stirophos	.03 UG/L	ND	ND	ND	ND
Bolstar	.07 UG/L	ND	NA	ND	NA
Fensulfothion	.07 UG/L	ND	NA	ND	NA
EPN	.09 UG/L	ND	NA	ND	NA
Coumaphos	.15 UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05 UG/L	ND	NA	ND	NA
Mevinphos, z isomer	.3 UG/L	ND	NA	ND	NA
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND

NA= Not Analyzed

ND= Not Detected

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Phenolic Compounds

Analyte	MDL	Units	N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			02-FEB-2010 P504408	04-MAY-2010 P515410	03-AUG-2010 P524968	05-OCT-2010 P533525
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	22.70	27.90	28.20	25.30
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	22.70	27.90	28.20	25.30
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	22.70	27.90	28.20	25.30

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	69.40	50.90	50.00	36.90
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Phenolic Compounds

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			02-FEB-2010 P504413	04-MAY-2010 P515415	03-AUG-2010 P524973	05-OCT-2010 P533530
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	16.00	20.80	18.20	2.80
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	16.00	20.80	18.20	2.80
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	16.00	20.80	18.20	2.80

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	33.40	43.30	26.00	3.50
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detected NS= Not Sampled, NR= Not Required NA= Not Analyzed

North City Water Reclamation Plant
Semi Annual Sludge Project

2010

Phenolic Compounds

Analyte	MDL	Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
			02-FEB-2010 P504418	04-MAY-2010 P515420	03-AUG-2010 P524978	05-OCT-2010 P533535
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	16.10	20.60	26.20	17.10
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	16.10	20.60	26.20	17.10
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	16.10	20.60	26.20	17.10

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	36.50	38.90	42.90	13.70
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Phenolic Compounds

Analyte	MDL	Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			02-FEB-2010 P504423	04-MAY-2010 P515425	03-AUG-2010 P524893**	05-OCT-2010 P533540
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	ND	ND	ND	ND
=====						
Total Non-Chlorinated Phenols	2.16	UG/L	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=====						
Phenols	2.16	UG/L	0.00	0.00	0.00 **	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	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

** note: Quality control criteria was not met for this sample; One surrogate recovery less than 10%.

ND= not detected NS= Not Sampled, NR= Not Required NA= Not Analyzed

North City Reclamation PLANT
Annual Monitoring Report

2010

SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N01-PEN	N01-PEN	N01-PEN	N01-PEN
			02-FEB-2010 P504416	04-MAY-2010 P515418	03-AUG-2010 P524976	05-OCT-2010 P533533
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	1.0	76.2	7.6	20.4
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	2.1	1.8	2.1	1.6
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	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	1.2	0.5	0.7	0.8
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	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	0.0
Purgeable Compounds	1.3	UG/L	4.3	78.5	10.4	22.8
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	0.8	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	220.0	128.0	440.0	186.0
Carbon disulfide	.6	UG/L	1.8	6.0	1.8	3.4
2-butanone	6.3	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

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

North City Reclamation PLANT
Annual Monitoring Report

2010

SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL Units	N10-EFF	N10-EFF	N10-EFF	N10-EFF
		02-FEB-2010 P504421	04-MAY-2010 P515423	03-AUG-2010 P524981	05-OCT-2010 P533538
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	36.1	16.6	6.4	2.4
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	2.9	2.7	2.6	1.5
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	0.6	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	0.9	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	2.9	10.3	1.1	0.8
Ethylbenzene	.3 UG/L	0.3	1.6	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	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	0.6	0.0	0.0	0.0
Purgeable Compounds	1.3 UG/L	42.8	32.1	10.1	4.7
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	1.1	7.1	ND	ND
Styrene	.3 UG/L	2.6	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	0.6	3.0	ND	ND
Acetone	4.5 UG/L	896.0	522.0	1240.0	625.0
Carbon disulfide	.6 UG/L	1.1	3.2	2.0	2.7
2-butanone	6.3 UG/L	ND	ND	ND	<6.3
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND

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

North City Reclamation PLANT
Annual Monitoring Report

2010

SEWAGE MONTHLY Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL Units	N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
		02-FEB-2010 P504426	04-MAY-2010 P515428	03-AUG-2010 P524986	05-OCT-2010 P533543
Chloromethane	.5 UG/L	ND	1.3	1.4	1.5
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	0.6	2.4	0.4	0.5
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	57.6	108.0	130.0	127.0
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	24.8	83.8	82.1	81.5
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	36.4	47.4	39.6	36.2
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	8.6	5.3	3.2	2.9
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	ND	ND	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	ND	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	69.8	137.8	126.3	122.1
Purgeable Compounds	1.3 UG/L	128.0	248.2	256.7	249.6
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	0.8	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	0.6	ND	ND
Acetone	4.5 UG/L	<4.5	8.4	6.0	11.7
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
2-butanone	6.3 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND

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