

THE CITY OF SAN DIEGO

NORTH CITY WATER RECLAMATION PLANT

ANNUAL MONITORING REPORT 2013

(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, 2014

Mr. David W. Gibson, Executive Officer California Regional Water Quality Control Board 2375 Northside Drive, Suite 100 San Diego, CA 92108

Attn: Ground Water Unit

Dear Mr. Gibson:

Enclosed is the Annual Monitoring report for 2013 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, 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,

Robert Mulvey

Assistant Public Utilities Director

Water Quality Branch

BGB/caq

Enclosure:

CD containing PDF file of Report

cc:

EPA Region 9

San Diego County Department of Environmental Health,

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 in the summary table values may be 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.

Organophosphoru	is Pesticides

8			PLE	PLE	PLE	PLR	PLR	PLR
			10-MAR-1998	27-APR-1998	10-SEP-1998	10-MAR-1998	27-APR-1998	10-SEP-1998
	MDL	Units	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 Pestic	==== ides	=====	<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 $\pm 20\%$ 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.

South Bay Water Reclamation Plant (EPA Lab Code: CA01460,

ELAP Certificate: 2539) 2411 Dairy Mart Road San Diego, CA 92173

(619)428-7349

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, Thallium, 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

NO1-PEN Penasquitos Influent Pump Station

NO1 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

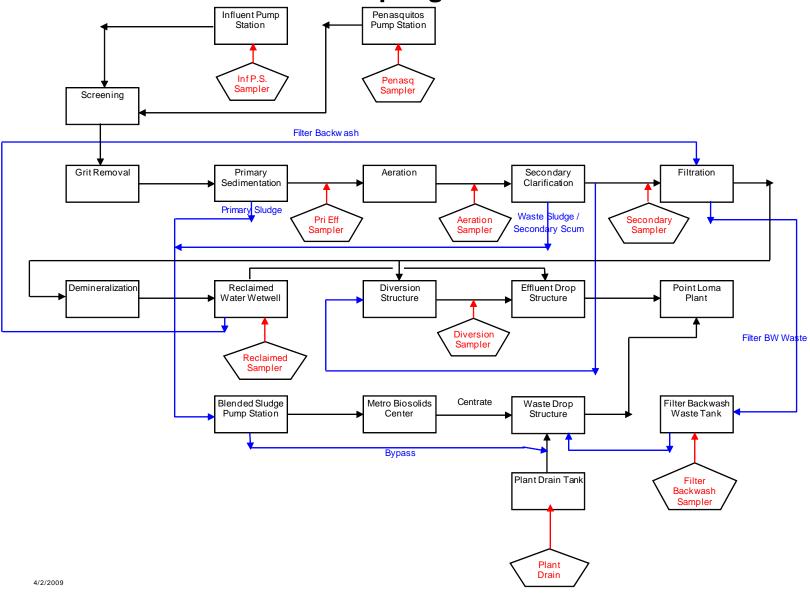
N10-PSP COMB Combined Primary Sludge Pump

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 2013

Grade	Cert. No.	Expiration Date
standant		
<u>nteriderit</u>	\/ 7007	12/31/2015
V	V-1221	12/31/2015
s Supervisor		
V	V-7791	06/30/2015
•		00/00/2010
<u>upervisors</u>		
III	III-7138	12/31/2015
III	III-6742	12/31/2014
III	III-9347	12/31/2014
III	III-9849	06/30/2015
III	III-27921	06/30/2014
II	II-10299	12/31/2014
II	II-5678	06/30/2014
II	II-9444	06/30/2014
II	II-28294	06/30/2014
I	I-38421	12/31/2014
<u>raining</u>		
OIT I	NA	12/31/2014
OIT I	NA	12/31/2014
	ntendent V ns Supervisor V upervisors III III III III III II III II II II II	V V-7227

NCWRP Sampling Schematic



North City Water Reclamation Plant 2013 Flows

Monthly Totals

													Total
	Penas-		Plant	Disinfect			FES			WAS	WAS		Sludge
	quitos	Headworks	Drain	Final	Reclaim		Filter	Primary	Primary	Hi Cap	Lo Cap	Filter	Flow
	Influent	Flow 36"	Influent	Effluent	Water	N Return	Effluent	Effluent	Sludge	sludge	sludge	Backwash	to MBC
Month	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
01	231.2	257.6	19.6	36.9	62.5	365.74	126.08	479.16	23.88	.10	4.34	5.29	23.22
02	206.1	242.1	23.2	35.6	70.7	291.97	123.94	430.96	21.48	.00	3.48	5.65	23.02
03	239.2	257.2	23.1	38.5	131.7	284.69	178.56	479.42	23.39	.00	3.67	6.59	26.52
04	237.6	258.5	21.7	34.9	170.7	214.82	220.27	461.52	22.71	.00	3.71	8.00	24.99
05	247.1	273.7	32.1	39.0	210.7	198.09	260.67	478.44	23.36	.00	4.21	8.43	25.33
06	233.7	285.9	44.1	35.4	255.3	123.79	302.00	466.60	22.66	.00	4.19	8.20	19.24
07	211.6	284.6	25.1	37.4	280.1	138.14	328.77	478.29	24.26	.00	4.21	10.00	27.57
08	157.6	275.2	27.4	35.8	308.2	93.58	356.95	479.47	24.17	.00	4.17	9.74	28.12
09	143.9	267.0	26.4	33.2	277.1	127.37	319.70	464.76	23.07	.00	4.20	8.48	25.82
10	157.9	273.9	22.8	35.7	183.8	214.27	227.76	479.87	22.73	.00	4.27	7.39	27.99
11	160.7	263.0	18.7	28.6	114.7	305.81	153.52	465.19	22.82	.00	4.26	5.14	24.24
12	170.5	265.0	17.8	27.3	116.8	308.52	154.64	479.51	23.14	.00	4.73	6.29	19.95
Average	199.7	267.0	25.2	34.8	181.9	222.23	229.41	470.27	23.14	.01	4.12	7.43	24.67
Total	2397.0	3203.5	301.8	418.1	2182.2	2666.79	2752.86	5643.19	277.67	.10	49.44	89.20	296.01

Daily Averages

													Total
	Penas-		Plant	Disinfect			FES			WAS	WAS		Sludge
	quitos	Headworks	Drain	Final	Reclaim		Filter	Primary	Primary	Hi Cap	Lo Cap	Filter	Flow
	Influent	Flow 36"	Influent	Effluent	Water	N Return	Effluent	Effluent	Sludge	sludge	sludge	Backwash	to MBC
Month	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
01	7.5	8.3	.6	1.2	2.3	11.80	4.07	15.46	.77	.01	.14	.17	.75
02	7.3				2.7	10.43	4.43	15.39	.77	.00	.12	.20	.82
03	7.7	8.3			4.2	9.18			.75	.00	.12	.20	.86
04	7.9	8.6			5.7	7.16	7.34		.76	.00	.12	.27	.83
05	8.0	8.8	1.0	1.3	6.8	6.39	8.41	15.43	.75	.00	.14	.27	.82
06	7.8	9.5	1.5	1.2	8.5	4.13	10.07	15.55	.76	.00	.14	.27	.64
07	6.8	9.2	.8	1.2	9.0	4.46	10.61	15.43	.78	.00	.14	.32	.89
08	5.1	8.9	.9	1.2	9.9	3.02	11.51	15.47	.78	.00	.13	.31	.91
09	4.8	8.9	.9	1.1	9.2	4.25	10.66	15.49	.77	.00	.14	.28	.86
10	5.1	8.8	.7	1.2	5.9	6.91	7.35	15.48	.73	.00	.14	.24	.90
11	5.4	8.8	.6	1.0	3.8	10.19	5.12	15.51	.76	.00	.14	.17	.81
12	5.5	8.5	.6	.9	3.8	9.95	4.99	15.47	.75	.00	.15	. 20	.64
Average	6.6	8.8	.8	1.1	6.0	7.32	7.53	15.46	.76	.00	.14	.24	.81

Reclaim Water = Distribution Water

North City Water Reclamation Plant (N34-REC WATER) Recycled Water Chlorine Report N34-REC WATER is compliance point for reclaimed water Maximum Daily 2 Minimum Daily 1 Time ³ Chlorine Residual Chlorine Residual Operations 2013 CT less than Date (mg/L) (mg/L) 450 mg-min/l (min) 4.76 7.03 0 Jan Feb 4.22 8.76 0 Mar 6.22 9.79 0 9.99 0 Apr 2.97 4.39 7.45 0 May 0 Jun 3.61 6.29 4.41 7.91 Jul 0 4.51 7.26 0 Aug Sep 5.28 6.39 0 Oct 4.71 6.90 0 Nov 6.12 4.11 0 4.01 5.59 0 Dec 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 2013	Tot. Coliform (7-day median)	
Date	(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
		<u> </u>	-	
Operations 2013	Turbidity	Turbidity	Turbidity	5 NTU's
Date	(NTU)	(NTU)	(NTU)	(MINUTES)
Jan	0.29	0.23	0.72	0.00
Feb	0.31	0.26	1.02	0.00
Mar	0.38	0.31	0.93	0.00
Apr	0.33	0.25	0.70	0.00
May	0.31	0.21	0.62	0.00
Jun	0.31	0.27	0.63	0.00
Jul	0.38	0.31	0.86	0.00
Aug	0.26	0.22	0.40	0.00
Sep	0.17	0.16	0.25	0.00
Oct	0.17	0.15	0.19	0.00
Nov	0.18	0.17	0.23	0.00
Dec	0.17	0.16	0.49	0.00
Average:	0.27		Total:	0.00

² Maximum Daily value is the average recorded value for the month.

⁴ Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25AI1673) or (N25AI1674), located at meter room of Area 25 (Tertiary Filter Structures)

North City Reclamation Plant Annual Monitoring Report

2013

(N34-REC) Reclaimed Water - Daily Parameters

Analyte:	Biochemical	Total	Total	Volatile	
	0xygen	Dissolved	Suspended	Suspended	рН
	Demand	Solids	Solids	Solids	Grab
MDL/Units:	2 MG/L	28 MG/L	1.4 MG/L	1.6 MG/L	(pH)
JANUARY -2013	<2	740	ND	ND	6.86
FEBRUARY -2013	ND	781	ND	ND	6.88
MARCH -2013	ND	780	ND	ND	6.89
APRIL -2013	ND	824	ND	ND	6.99
MAY -2013	ND	839	ND	ND	6.99
JUNE -2013	ND	842	ND	ND	6.98
JULY -2013	ND	865	ND	ND	7.06
AUGUST -2013	ND	886	ND	ND	7.02
SEPTEMBER-2013	ND	867	ND	ND	6.98
OCTOBER -2013	ND	854	ND	ND	6.97
NOVEMBER -2013	<2	828	<1.4	<1.6	6.99
DECEMBER -2013	<2	829	ND	ND	6.95
Average:	0	828	0	0	6.96
Maximum:	0	886	0	0	7.06
Minimum:	0	740	0	0	6.86

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

Analyte: Units:	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 -2013	269	965	260	226	114	7.35
FEBRUARY -2013	276	957	282	253	123	7.31
MARCH -2013	283	985	279	244	128	7.38
APRIL -2013	313	1090	278	241	133	7.36
MAY -2013	309	1100	286	251	121	7.45
JUNE -2013	286	1070	290	250	121	7.39
JULY -2013	282	1100	275	239	130	7.46
AUGUST -2013	293	1120	274	232	124	7.40
SEPTEMBER-2013	273	1080	280	243	121	7.40
OCTOBER -2013	287	1120	294	256	120	7.41
NOVEMBER -2013	282	1130	290	248	127	7.43
DECEMBER -2013	295	1100	286	245	132	7.35
==========	========	========	========	========	========	========
Average:	287	1068	281	244	125	7.39
Maximum:	313	1130	294	256	133	7.46
Minimum:	269	957	260	226	114	7.31

All samples are 24-hour composite.

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

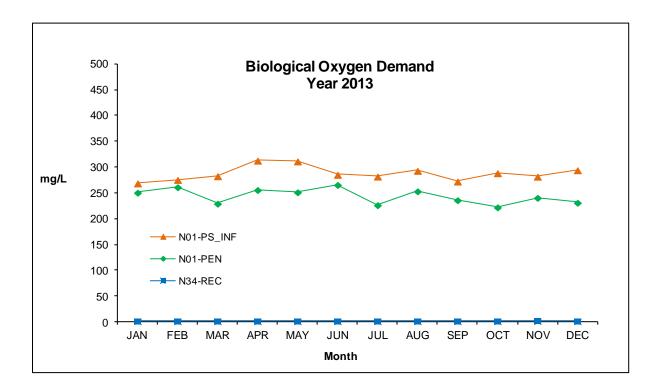
2013

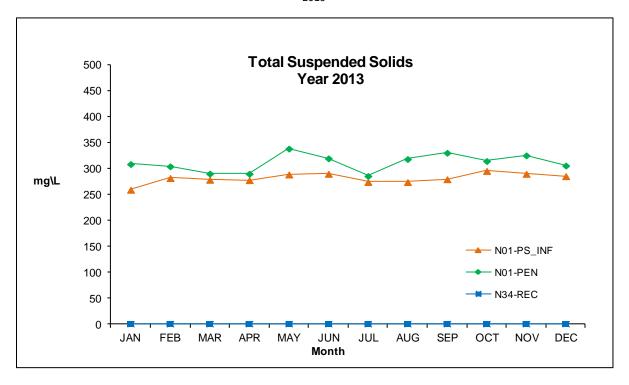
(NO1-PEN) Penasquitos Pump Station Influent - Daily Parameters

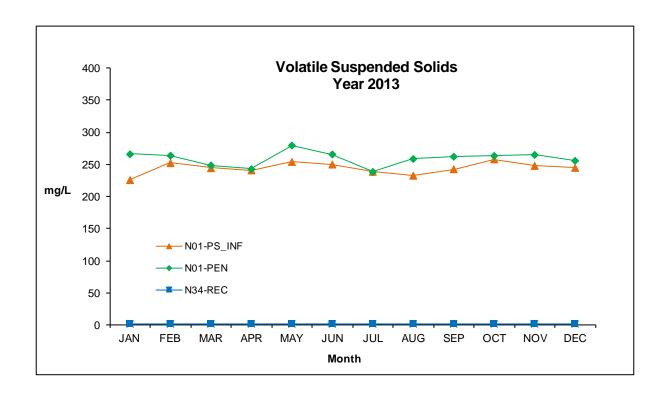
Analyte: Units:	Biochemical Oxygen Demand (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Turbidity (NTU)	pH COMPOSITE (pH)
JANUARY -2013	251	- ======== 680	======== = 309	266	111	7.43
FEBRUARY -2013	262	722	305	265	110	7.46
MARCH -2013	230	751	291	249	116	7.48
APRIL -2013	256	817	291	243	102	7.50
MAY -2013	252	834	336	277	107	7.53
JUNE -2013	266	826	320	266	108	7.49
JULY -2013	227	828	286	239	116	7.54
AUGUST -2013	252	825	321	261	114	7.52
SEPTEMBER-2013	237	795	331	262	107	7.49
OCTOBER -2013	220	787	311	261	107	7.53
NOVEMBER -2013	241	812	326	265	111	7.62
DECEMBER -2013	232	807	306	256	110	7.50
=========	=======================================			=======================================	=======================================	=======
Average:	244	790	311	259	110	7.51
Maximum:	266	834	336	277	116	7.62
Minimum:	220	680	286	239	102	7.43

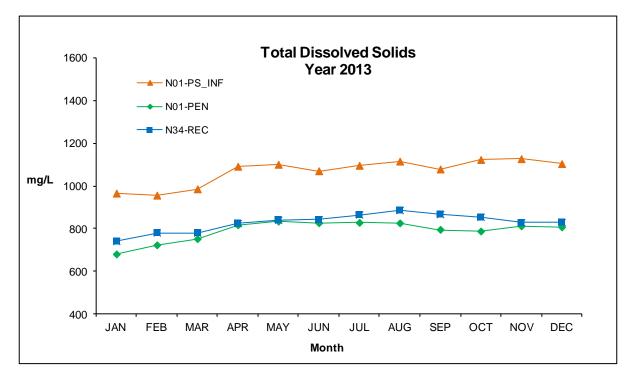
All samples are 24-hour composite.

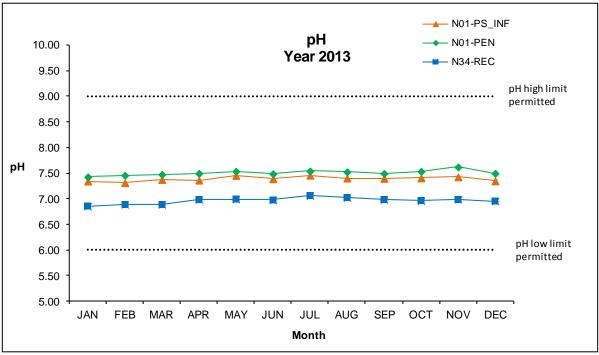
NA= Not Analyzed NS= Not Sampled ND= Not Detected

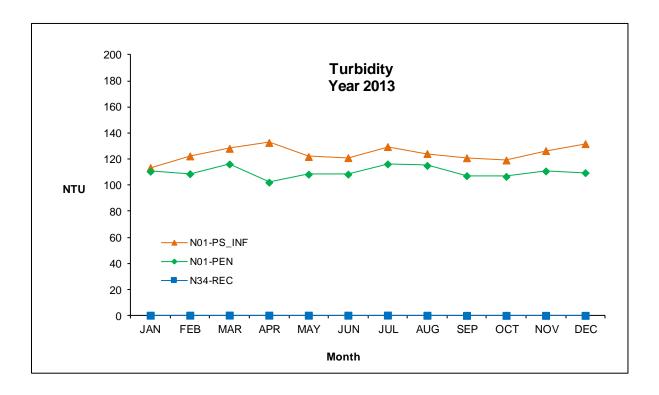












* Turbidity average daily results taken from in-plant meter

2013 (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 -2013	55	ND	0.4	9.1	ND	289
FEBRUARY -2013	69	ND	ND	12.2	ND	301
MARCH -2013	<47	ND	0.5	13.9	ND	300
APRIL -2013	ND	ND	<0.4	18.3	ND	311
MAY -2013	182	3.3	0.6	20.9	ND	348
JUNE -2013	<47	ND	0.5	20.1	ND	334
JULY -2013	109	ND	0.7	18.5	ND	321
AUGUST -2013	109	ND	0.6	20.8	ND	337
SEPTEMBER-2013	<47	ND	0.4	27.1	ND	335
OCTOBER -2013	ND	<2.9	0.4	19.7	ND	305
NOVEMBER -2013	ND.	4.0	0.6	19.8	ND ND	282
				21.6	ND ND	301
DECEMBER -2013	ND	ND	<0.4	21.0	ND	
				40.5		
Annual Average:	44	0.6	0.4	18.5	ND	314
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 -2013	ND	ND	ND	5	123	ND
FEBRUARY -2013	ND ND			2		
		ND	ND		88	ND
MARCH -2013	ND	ND	<0.85	<2	ND	ND
APRIL -2013	ND	ND	ND	5	44	ND
MAY -2013	ND	ND	ND	3	116	<2.0
JUNE -2013	ND	2.9	1.27	<2	<37	ND
JULY -2013	ND	ND	ND	4	46	ND
AUGUST -2013	ND	<1.2	ND	2	81	ND
SEPTEMBER-2013	ND	<1.2	ND	3	72	ND
OCTOBER -2013	ND	2.2	<0.85	<2	71	ND
NOVEMBER -2013	1.90	10.0	ND	ND.	76	3.0
	ND	ND	ND ND	2	76	ND
DECEMBER -2013						
A						
Annual Average:	0.16	1.3	0.11	2	66	0.3
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 -2013	77.1	ND	3.23	5.20	0.54	ND
FEBRUARY -2013	70.6	ND	4.68	6.12	0.47	ND
MARCH -2013	79.2	ND ND	4.33	4.82	0.55	ND
APRIL -2013	88.7	ND	5.38	6.82	0.85	ND
MAY -2013	86.7	ND	7.95	7.63	1.08	ND
JUNE -2013	71.6	ND	6.41	10.90	0.83	ND
JULY -2013	74.9	ND	7.94	5.74	0.87	ND
AUGUST -2013	72.5	ND	7.37	7.58	0.72	ND
SEPTEMBER-2013	79.0	0.076	8.15	13.60	0.66	ND
OCTOBER -2013	83.2	ND	4.39	6.89	0.54	ND
NOVEMBER -2013	81.2	ND ND	11.70	15.50	0.59	<0.4
MONTHIDEK - 5013						
DECEMBED 2012	<i>C</i> 1	NID.	4 20	0 05		
DECEMBER -2013	64.0	ND	4.29	8.05	0.61	0.5
DECEMBER -2013 ====================================		ND ====== 0.006				

2013 (N34-REC) Reclaim Water - Monthly/Annual Averages

Analyte:	Thallium	Vanadium	Zinc	Calcium	Lithium	Magnesium
MDL:	.5	.64	2.5	.04	.002	.1
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
Limit:	2					
7.ANUADY 2012	ND	0.03	27.6	F2.0		26.1
JANUARY -2013	ND	0.82	27.6	52.8	0.023	26.1
FEBRUARY -2013	ND	0.91	25.1	57.0	0.024	28.3
MARCH -2013	ND	<0.64	74.2	61.4	0.027	30.4
APRIL -2013	ND	ND	29.5	66.2	0.031	30.1
MAY -2013	ND	ND	48.8	58.8	0.033	25.9
JUNE -2013	ND	2.18	27.8	67.0	0.036	28.5
JULY -2013	ND	1.30	27.1	62.9	0.036	26.5
AUGUST -2013 SEPTEMBER-2013	ND ND	2.83	29.0	66.1 64.8	0.037	27.5 26.7
	ND	2.28	29.0 25.9		0.034	
OCTOBER -2013	ND	3.35		62.1	0.037	26.0
NOVEMBER -2013	ND	3.15	20.3	67.0	0.033	28.0
DECEMBER -2013	ND	2.25	24.5	54.3	0.035	23.4
Annual Avonago:	ND	1.59	32.4	61.7	0.032	27.3
Annual Average:	עוא	1.59	32.4	61.7	0.032	27.3
			Calcium	Magnesium	Total	Total
Analyte:	Potassium	Sodium	Hardness	Hardness	Hardness	Alkalinity
MDL:	.3	1	.1	.4	.4	20
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Limit:	110/ L	110/ L	110/ L	110/ L	no, L	110/ L
===========	=========	=========	=========	=========	=========	=========
JANUARY -2013	16.5	166	132	107	239	87
FEBRUARY -2013	15.9	163	143	116	259	86
MARCH -2013	20.0	189	153	125	279	84
APRIL -2013	18.7	184	165	124	289	96
MAY -2013	15.4	164	164	126	280	91
JUNE -2013	17.0	175	167	118	285	100
JULY -2013	16.2	164	157	109	266	98
AUGUST -2013	17.4	167	165	113	278	116
SEPTEMBER-2013	15.1	155	162	110	272	95
OCTOBER -2013	15.9	164	155	107	262	105
NOVEMBER -2013	15.6	164	167	116	283	97
DECEMBER -2013	13.8	150	136	97	232	93
===========						=======================================
Annual Average:	16.5	167	156	114	269	96
•						
					0rtho	MBAS
Analyte:	Chloride	Fluoride	Nitrate	Sulfate	Phosphate	(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 -2013	232	0.55	57.1	127	2.9	0.10
FEBRUARY -2013	239	0.59	59.9	145	1.9	0.09
MARCH -2013	263	0.62	56.4	147	3.4	0.10
APRIL -2013	249	0.63	52.2	169	2.5	0.04
MAY -2013	224	0.62	49.3	172	3.2	0.04*
JUNE -2013	236	0.64	55.0	184	3.2	0.04
JULY -2013	234	0.66	55.6	189	3.6	0.04
AUGUST -2013	236	0.68	57.2	190	4.0	0.04
SEPTEMBER-2013	236	0.65	54.0	196	0.9	0.05
OCTOBER -2013	239	0.59	54.5	183	1.8	0.04
NOVEMBER -2013	241	0.57	56.2	189	3.1	0.08
DECEMBER -2013	219	0.52	48.8	178	2.3	0.07
				172		
Annual Average:	237	0.61	54.7	172	2.7	0.06

 $[\]ast$ The method blank result of 0.04 mg/L was above the MDL. This value was not used in the calculation of the annual average.

2013

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

Analyte: MDL:	Total Organic Carbon	Percent Sodium	Sodium Adsorption Calculated	Total Cyanides .002	Total Dissolved So 28	Total lids Nitrogen .78
Units: Limit:	MG/L	Percent	Percent	MG/L 0.2	MG/L 1200	MG/L
=======================================				0.2	1200	
JANUARY -2013	6.8	58	4.3*	0.004	740	19.3
FEBRUARY -2013	6.4	56	4.2	ND	781	15.3
MARCH -2013	6.7	58	4.7	0.006	780	15.8
APRIL -2013	6.4	56	4.7	0.003	824	13.5
MAY -2013	7.6	57	4.3	0.006	839	13.9
JUNE -2013	6.3	56	4.5	0.005	842	14.5
JULY -2013	6.7	56	4.3	0.004	865	16.1
AUGUST -2013	7.6	55	4.3	0.002	886	10.2#
SEPTEMBER-2013	6.0	54	4.0	0.006	867	13.0
OCTOBER -2013	6.3	56	4.3	0.004	854	10.4
NOVEMBER -2013	6.1	54	4.1	0.003	828	11.6
DECEMBER -2013	5.8	56	4.0	0.002	829	10.8
==========	=======================================		=======================================	========	=======================================	
Annual Average:	6.6	56	4.3	0.004	828	14.0

^{*} Data for Alkalinity and Conductivity needed to compute Sodium Adsorption was not available for the Jan. 9, 2013 sample. Average Alkalinity and Conductivity values based on results over the last 12 months were substituted. This value was not used in the calculation of the annual average.

[#] Sample analyzed out of holding time.

2013 (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 -2013	409	ND	0.68	52	ND	315
FEBRUARY -2013	444	ND	0.83	59	ND	302
MARCH -2013	385	ND	0.80	62	ND	310
APRIL -2013	469	<2.9	0.89	94	ND	350
MAY -2013	929	ND	1.16	105	ND	334
JUNE -2013	510	ND	0.97	101	ND	325
JULY -2013	770	ND	1.20	91	ND	305
AUGUST -2013	688	ND	1.20	114	ND	318
SEPTEMBER-2013	540	ND	1.37	101	ND	342
OCTOBER -2013	484	5.5	1.29	112	0.04	332
NOVEMBER -2013	352	ND	1.65	115	ND	301
DECEMBER -2013	414	ND	0.98	109	0.05	317
===========	==========		==========	==========	==========	=========
Annual Average:	533	0.5	1.09	93	0.01	321
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 -2013	ND	3.6	ND	101	5850	ND
FEBRUARY -2013	ND	5.4	ND	96	6520	2.5
MARCH -2013	ND	3.2	<0.85	108	5850	4.0
APRIL -2013	ND	5.1	ND	139	6850	ND
MAY -2013	ND ND	4.7	ND ND	131	7910	<2.0
JUNE -2013	ND ND	6.2	2.05	125	7110	2.5
	ND ND	2.9		137	6640	<2.0
			<0.85			
AUGUST -2013	ND	2.4	1.53	146	11000	<2.0
SEPTEMBER-2013	ND	3.5	<0.85	200	7290	<2.0
OCTOBER -2013	<0.53	5.2	1.40	192	9130	6.3
NOVEMBER -2013	ND	8.5	1.75	151	10400	3.5
DECEMBER -2013	ND	5.3	1.16	137	8400	<2.0
				420		
Annual Average:	0.00	4.7	0.66	139	7746	1.6
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 -2013	0.030	134	0.202	5.34	4.91	0.85
FEBRUARY -2013	0.034	134	0.014	5.71	6.63	1.03
MARCH -2013	0.035	133	0.079	6.37	6.63	1.36
APRIL -2013	0.040	175	0.116	8.69	9.25	1.43
MAY -2013	0.046	182	0.168	9.43	8.98	1.90
	0.052	151 139	0.128	11.2 9.56	16.8	2.04
	0.051		0.084		7.79	1.67
AUGUST -2013	0.049	146	0.311	10.1	9.61	1.87
SEPTEMBER-2013	0.046	142	0.078	12.1	14.6	1.51
OCTOBER -2013	0.052	150	0.102	9.55	12.5	1.72
NOVEMBER -2013	0.043	140	0.012	16.2	19.6	1.65
DECEMBER -2013	0.055	156	0.150	8.65	8.57	1.77
Annual Average:	0.044	149	0.12	9.41	10.5	1.57

(N01-PS_INF) Pump Station 64 Influent - Annual Averages

9.85

5.03

2.61

82.3

77.4

78.0

187

161

176

36.0

36.4

2013

Analyte: MDL: Units:	Silver .4 UG/L	Thallium 3.9 UG/L	Vanadium .64 UG/L	Zinc 2.5 UG/L	Calcium .04 MG/L	Magnesium .1 MG/L
JANUARY -2013	1.3	ND	1.20	125	67.1	34.7
FEBRUARY -2013	1.3	<3.9	1.03	134	71.5	36.9
MARCH -2013	0.7	<3.9	<0.64	191	68.9	35.7
APRIL -2013	0.9	ND	0.96	159	78.4	37.9
MAY -2013	0.6	ND	1.48	213	83.2	38.8
JUNE -2013	0.7	<3.9	7.10	169	90.0	40.2
JULY -2013	<0.4	4.7	6.30	174	81.0	35.9
AUGUST -2013	0.6	ND	7.85	194	80.4	36.3
SEPTEMBER-2013	3.3	<3.9	8.85	199	79.0	35.2
OCTOBER -2013	1.6	6.6	13.10	200	76.4	34.0

ND

0.9

<3.9

1.2

1.6

1.2

Analyte: MDL: Units:	Potassium .3 MG/L	Sodium 1 MG/L	Chloride 7 MG/L	Fluoride .05 MG/L	Sulfate 9 MG/L	Total Dissolved Solids 28 MG/L
JANUARY -2013	20.3	197	NR	NR	NR	965
FEBRUARY -2013	21.5	212	313	0.66	172	957
MARCH -2013	23.7	218	NR	NR	NR	985
APRIL -2013	22.7	218	NR	NR	NR	1090
MAY -2013	22.7	223	313	0.27	215	1100
JUNE -2013	24.1	242	NR	NR	NR	1070
JULY -2013	21.8	207	NR	NR	NR	1100
AUGUST -2013	23.2	214	322	0.68	230	1120
SEPTEMBER-2013	20.1	193	NR	NR	NR	1080
OCTOBER -2013	20.9	196	315	0.46	212	1120
NOVEMBER -2013	19.8	200	NR	NR	NR	1130
DECEMBER -2013	19.8	204	NR	NR	NR	1100
Annual Average:	21.7	210	316	0.52	207	1068

Analyte:	Total
MDL:	Cyanides
Units:	.002 MG/L
	=========
JANUARY -2013	ND
FEBRUARY -2013	0.0020
MARCH -2013	ND
APRIL -2013	ND
MAY -2013	ND
JUNE -2013	ND
JULY -2013	ND
AUGUST -2013	0.0020
SEPTEMBER-2013	ND
OCTOBER -2013	0.0020
NOVEMBER -2013	ND
DECEMBER -2013	ND
Annual Average:	0.001

ND= Not Detected NR= Not Required

NOVEMBER -2013

DECEMBER -2013

Annual Average:

2013 (NO1-PEN) Penasquitos Influent - Annual Averages

Analyte:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL: Units:	47 UG/L	2.9 UG/L	.4 UG/L	.039 UG/L	.022 UG/L	7 UG/L
==========	=========	==========	==========	==========	===========	=========
JANUARY -2013	1290	ND	0.66	66	ND	280
FEBRUARY -2013	585	ND	0.57	48	ND	265
MARCH -2013	2220	<2.9	2.19	54	ND	278
APRIL -2013	2160	ND	2.48	82	ND	277
MAY -2013	3140	5.5	1.19	113	ND	332
JUNE -2013	2690	ND	3.31	94	ND	318
JULY -2013	2170	<2.9	2.63	89	ND	318
AUGUST -2013	3580	ND	3.39	97	ND	295
SEPTEMBER-2013	1640	ND	2.12	97	ND	310
OCTOBER -2013	978	7.0	2.13	79	0.05	287
NOVEMBER -2013	343	ND	1.38	82	ND	222
DECEMBER -2013	380	<2.9	1.05	80	ND	306
==========	=========	=========	========	=========	=========	========
Annual Average:	1770	1.0	1.93	82	0.00	291
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
7.ANUADY 2012	ND	6.9		0.5		2 5
JANUARY -2013 FEBRUARY -2013	ND ND	7.2	<0.85	85 83	15600 9500	2.5 2.5
MARCH -2013	ND ND	6.6	<0.85 1.04	86	8780	6.5
APRIL -2013	ND ND	9.5	1.79	123	11500	<2.0
MAY -2013	ND ND	12.1	<0.85	142	18000	₹2.0 ND
JUNE -2013	ND ND	12.1	2.12	101	11800	2.5
JULY -2013	ND ND	27.2	1.41	88	15900	3.0
AUGUST -2013	ND ND	11.3	2.42	106	15900	2.5
SEPTEMBER-2013	ND ND	6.5	<0.85	126	15400	3.5
OCTOBER -2013	ND ND	8.5	<0.85	109	14300	4.6
NOVEMBER -2013	ND ND	7.0	<0.85	78	11900	4.5
DECEMBER -2013	ND ND	5.2	1.48	83	12600	ND
===========	==========	=========	==========	=========	==========	=========
Annual Average:	ND	10.1	0.86	101	13400	2.7
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 -2013	0.022	112	0.117	7.00	8.2	0.61
FEBRUARY -2013	0.028	91	0.013	5.39	10.9	0.78
MARCH -2013	0.030	98	0.009	6.53	11.2	0.99
APRIL -2013	0.038	125	0.112	8.07	19.6	1.17
MAY -2013	0.040	187	0.149	12.50	26.4	1.92
JUNE -2013	0.044	180	0.094	8.37	24.2	1.90
JULY -2013	0.044	194	0.167	8.10	70.4	1.33
AUGUST -2013	0.041	181	0.081	10.80	17.8	1.40
SEPTEMBER-2013	0.039	138	0.087	10.70	22.3	0.46
OCTOBER -2013	0.043	104	0.194	5.79	14.0	1.30
NOVEMBER -2013	0.036	70	0.012	7.30	16.6	1.04
DECEMBER -2013	0.039	93	0.124	4.91	12.7	1.53
Annual Average:	0.037	131	0.097	7.96	21.2	1.20

2013 (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 -2013	0.75	4.55	4.13	135	49.6	26.3
FEBRUARY -2013	<0.40	ND	6.55	132	57.8	28.9
MARCH -2013	<0.40	<3.90	4.25	602	61.5	30.8
APRIL -2013	0.60	ND	4.77	183	68.9	31.6
MAY -2013	1.25	ND	5.88	266	72.5	31.1
JUNE -2013	1.30	ND	5.30	171	75.3	31.0
JULY -2013	ND	ND	8.80	212	70.5	28.3
AUGUST -2013	0.65	ND	14.20	182	62.1	26.9
SEPTEMBER-2013	0.85	ND	16.20	180	65.3	25.9
OCTOBER -2013	0.56	<3.90	18.20	153	59.7	23.9
NOVEMBER -2013	0.90	ND	10.80	128	68.2	26.6
DECEMBER -2013	ND	ND	13.20	123	59.7	24.4
Annual Average:	0.57	0.38	9.36	206	64.3	28.0

Analyte: MDL: Units:	Potassium .3 MG/L	Sodium 1 MG/L	Chloride 7 MG/L	Fluoride .05 MG/L	Sulfate 9 MG/L	Total Dissolved Solids 28 MG/L
JANUARY -2013	18.5	142	NR	NR	NR	680
FEBRUARY -2013	18.1	153	203	0.58	134	722
MARCH -2013	20.4	166	NR	NR	NR	751
APRIL -2013	19.9	164	NR	NR	NR	817
MAY -2013	19.0	162	215	0.54	188	834
JUNE -2013	20.5	166	NR	NR	NR	826
JULY -2013	18.3	155	NR	NR	NR	828
AUGUST -2013	20.3	145	201	0.53	168	825
SEPTEMBER-2013	16.0	134	NR	NR	NR	795
OCTOBER -2013	16.9	140	198	0.44	162	787
NOVEMBER -2013	16.1	142	NR	NR	NR	812
DECEMBER -2013	15.4	139	NR	NR	NR	807
Annual Average:	18.3	151	204	0.52	163	790

		Total
Analyte:		Cyanides
MDL:		.002
Units:		MG/L
	=====	
JANUARY	-2013	ND
FEBRUARY	-2013	ND
MARCH	-2013	ND
APRIL	-2013	0.002
MAY	-2013	ND
JUNE	-2013	ND
JULY	-2013	ND
AUGUST	-2013	ND
SEPTEMBER	-2013	ND
OCTOBER	-2013	0.003
NOVEMBER	-2013	ND
DECEMBER	-2013	ND
	=====	
Annual Av	erage:	0.000

ND= Not Detected NR= Not Required

2012 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 2012, 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

NO1-PS_INF NCWRP influent from pump station 64

NO1-PEN NCWRP Penasquitos influent

N34-REC WATER NCWRP reclaimed water.

N10-EFF NCWRP Primary effluent

2013 (Metals from Digestion and Ions from Supernatant)

Source:			N01-PS INF	N01-PS INF	N01-PS INF	N01-PS INF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
Sample ID:	MDL	Units	P649623	P661100	P671098	P677647
A1	= ==== 47	===== UG/L	425	1290	613	======================================
Aluminum						571
Antimony	2.9	UG/L	ND	ND	ND	6
Arsenic	.4	UG/L	0.8	1.2	1.2	1.3
Barium		UG/L	57.2	107.0	118.0	126.0
Beryllium		UG/L	ND	ND	ND	0.040
Boron	7	UG/L	317	324	307	338
Cadmium	.53	UG/L	ND 5.4	ND	ND	ND
Chromium	1.2	UG/L	5.4	4.9	2.3	6.4
Cobalt	.85	UG/L	ND	ND	1.78	1.75
Copper	2	UG/L	98	124	149	227
Iron	37	UG/L	6650	9050	12200	11300
Lead	2	UG/L	3	3	ND	5
Manganese	.24	UG/L	133.0	190.0	138.0	159.0
Mercury		UG/L	0.014	0.168	0.311	0.102
Molybdenum	.89	UG/L	6.06	8.66	11.20	10.30
Nickel	.53	UG/L	6.35	9.39	9.69	14.40
Selenium	.28	UG/L	1.03	1.90	1.87	1.72
Silver	.4	UG/L	1.7	0.8	0.7	2.0
Thallium	3.9	UG/L	ND	ND	ND	7.4
Vanadium	.64	UG/L	0.85	2.95	7.60	14.50
Zinc	2.5	UG/L	141.0	248.0	181.0	232.0
Total Kjeldahl Nitrogen	1.6	MG/L	54.5	55.6	60.3	61.4
calcium	.04	===== MG/L	71.5	83.2	80.4	76.4
Lithium		MG/L	0.034	0.046	0.049	0.052
Magnesium	.1	MG/L	36.9	38.8	36.3	34.0
Potassium	.3	MG/L	21.5	22.7	23.2	20.9
Sodium	1	MG/L	21.3	223	214	196
=======================================			212	==========	214	190
Calcium Hardness	.1	MG/L	179	223	201	191
Magnesium Hardness	.4	MG/L	152	147	149	140
Total Hardness	.4	MG/L	330	319	350	331
=======================================		11G/ L ======	==========	319	350	331
Bromide	.1	MG/L	0.6	0.5	0.5	0.4
Chloride	. <u>1</u> 7	MG/L MG/L	313	313	322	315
Fluoride	, .05	MG/L MG/L	0.66	0.27	0.68	0.46
	.05	•				
Nitrate		MG/L	ND	0.10	ND 4 O	ND
Ortho Phosphate	.2	MG/L	3.7	8.2	4.9	6.2
Sulfate	9	MG/L	172	215	230	212
Cyanide, Total		MG/L	0.002	ND	0.002	0.002
Sulfides-Total	.4	MG/L	1.1	3.6	5.0	6.2
Ammonia-N	.3	MG/L	39.0	37.3	38.1	41.9
/ uninoriza iv		J/ L	33.0	37.3	50.1	71.5

ND= Not Detected 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

2013 (Metals from Digestion and Ions from Supernatant)

Source:			NØ1-PEN	NØ1-PEN	NØ1-PEN	N01-PEN
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
Sample ID:	MDL	Units	P649628	P661105	P671103	P677652
		======	=========	=========	=========	
Aluminum	47	UG/L	496	975	3310	1480
Antimony	2.9	UG/L	ND	4	ND	7
Arsenic	.4	UG/L	0.6	1.2	3.4	2.1
Barium		UG/L	48.1	108.0	93.5	84.9
Beryllium	.022	UG/L	ND	ND	ND	0.040
Boron	7	UG/L	259	319	305	282
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	6.1	13.7	17.1	12.3
Cobalt	.85	UG/L	1.14	1.00	3.47	1.46
Copper	2	UG/L	77	157	114	126
Iron	37	UG/L	9480	18000	15800	15600
Lead	2	UG/L	3	ND	2	5
Manganese	.24	UG/L	86.6	151.0	188.0	109.0
Mercury		UG/L	0.013	0.149	0.081	0.194
Molybdenum	.89	UG/L	4.99	10.10	10.80	6.57
Nickel	.53	UG/L	11.40	30.40	24.80	17.10
Selenium	.28	UG/L	0.78	1.92	1.40	1.30
Silver	.4	UG/L	9.78 ND	1.6	1.40 ND	1.1
			VD ND		ND ND	
Thallium	3.9	UG/L		ND		4.4
Vanadium	.64	UG/L	7.69	5.62	14.70	21.30
Zinc	2.5	UG/L	132.0	305.0	191.0	177.0
Total Kjeldahl Nitrogen	1.6 =====	MG/L ======	49.3	45.1	54.3	50.9
Calcium	.04	MG/L	57.8	72.5	62.1	59.7
Lithium		MG/L	0.028	0.040	0.041	0.043
Magnesium	.1	MG/L	28.9	31.1	26.9	23.9
Potassium	.3	MG/L	18.1	19.0	20.3	16.9
Sodium	1	MG/L	153	162	145	140
30010111		•	133	102	145	140
Calcium Hardness	.1	MG/L	144	162	155	149
Magnesium Hardness	.4	MG/L	119	127	111	98
Total Hardness	.4	MG/L	264	280	266	247
======================================		11G/ L ======	204	200	200	247
Bromide	.1	MG/L	0.3	0.2	0.2	ND
Chloride	7	MG/L	203	215	201	198
Fluoride	, .05		203 0.58	0.54	0.53	0.44
		MG/L				
Nitrate	.04	MG/L	0.22	0.12	0.07	0.05
Ortho Phosphate	.2	MG/L	1.6	2.2	2.8	1.2
Sulfate	9	MG/L	134	188	168	162
Cyanide, Total		MG/L	ND	ND	ND	0.003
Sulfides-Total	.4	MG/L MG/L	2.1	4.5	4.7	6.4
Ammonia-N	.3	MG/L	36.0	36.9	35.1	33.9

ND= Not Detected 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

2013 (Metals from Digestion and Ions from Supernatant)

Source:			N10-EFF	N10-EFF	N10-EFF	N10-EFF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
Sample ID:	MDL	Units	P649633	P661110	P671108	P677657
		======	422	=======================================		***************************************
Aluminum	47	UG/L	423	858	632	436
Antimony	2.9	UG/L	ND	ND	ND	6
Arsenic	.4	UG/L	0.9	1.2	1.4	1.2
Barium		UG/L	36.4	82.4	76.0	67.0
Beryllium		UG/L	ND	ND	ND	0.050
Boron	7	UG/L	273	329	317	321
Cadmium	.53	UG/L	ND	ND	ND	ND
Chromium	1.2	UG/L	3.1	5.6	3.2	4.1
Cobalt	.85	UG/L	ND	ND	1.30	ND
Copper	2	UG/L	47	95	85	89
Iron	37	UG/L	5080	9050	8560	6940
Lead	2	UG/L	ND	ND	ND	3
Manganese	.24	UG/L	102.0	155.0	130.0	122.0
Mercury	.005	UG/L	0.006	0.076	0.015	0.071
Molybdenum	.89	UG/L	4.67	7.73	10.70	7.49
Nickel	.53	UG/L	6.59	11.40	9.95	11.00
Selenium	.28	UG/L	0.96	1.95	1.29	1.19
Silver	.4	UG/L	<0.4	0.5	ND	ND.
Thallium	3.9	UG/L	ND	ND	ND ND	5.6
Vanadium	.64	UG/L	2.68	2.78	7.50	10.50
Zinc	2.5	UG/L	67.5	164.0	121.0	99.9
	1.6	MG/L	48.1	50.2	51.5	51.1
Total Kjeldahl Nitrogen		MG/ L	40.1	50.2	51.5	51.1
Calcium	.04	MG/L	64.8	78.3	71.9	68.0
Lithium		MG/L	0.030	0.045	0.049	0.045
Magnesium	.1	MG/L	32.9	34.7	32.2	29.5
Potassium	.3	MG/L	19.9	20.7	22.1	19.2
Sodium	. 3 1	•	182	190	183	173
5001um		MG/L ======	182	190		_
	.1		162	190	180	170
Calcium Hardness		MG/L				
Magnesium Hardness	.4	MG/L	136	150	133	121
Total Hardness	.4	MG/L	297	330	312	291
Bromide	.1	MG/L	0.4	0.4	0.4	0.3
Chloride	7	MG/L	260	268	267	267
Fluoride	.05	MG/L	0.56	0.58	0.60	0.45
Nitrate	.04	MG/L	0.07	0.07	0.07	ND
Ortho Phosphate	.2	MG/L	2.8	2.8	4.3	3.3
Sulfate	9	MG/L	156	208	203	194
			======================================			
Cyanide, Total		MG/L	ND	ND	ND	ND
Sulfides-Total	.4	MG/L	0.6	2.7	2.1	2.2
Ammonia-N	.3	MG/L	38.0	37.3	38.2	38.8

ND= Not Detected 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

2013

(Metals from Digestion and Ions from Supernatant)

Source:			N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:			05-FEB-2013	07-MAY-2013	09-MAY-2013	06-AUG-2013
Sample ID:	MDL	Units	P649638	P661115	P661353	P671113
Aluminum	47	UG/L	86	NR	235	123
Antimony	2.9	UG/L	ND	NR	7	ND
Arsenic	.4	UG/L	ND	NR	0.6	0.6
Barium		UG/L	11.6	NR	19.8	20.2
Beryllium		UG/L	ND	NR	ND	ND
Boron	7	UG/L	304	NR	346	350
Cadmium	.53	UG/L	ND	NR	ND	ND
Chromium	1.2	UG/L	ND	NR	ND	<1.2
Cobalt	.85	UG/L	ND	NR	ND	ND
Copper	2	UG/L	3	NR	2	3
Iron	37	UG/L	97	NR	92	91
Lead	2	UG/L	ND	NR	3	ND
Manganese	.24	UG/L	67.5	NR	83.8	65.7
Mercury		UG/L	ND	ND	NR	ND
Molybdenum	.89	UG/L	4.94	NR	8.59	7.61
Nickel	.53	UG/L	6.20	NR	9.14	6.89
Selenium	.28	UG/L	0.47	NR	1.08	0.72
Silver	.4	UG/L	ND	NR	ND	ND
Thallium	3.9	UG/L	ND	NR	ND	ND
Vanadium	.64	UG/L	1.06	NR	ND	2.90
Zinc	2.5	UG/L	25.2	NR	61.7	29.0
Total Kjeldahl Nitrogen	1.6	MG/L	ND	NR	ND	ND
=======================================			=========	=========	=========	=========
Calcium	.04	MG/L	57.0	58.8	NR	66.1
Lithium	.002	MG/L	0.024	0.033	NR	0.037
Magnesium	.1	MG/L	28.3	25.9	NR	27.5
Potassium	.3	MG/L	15.9	15.4	NR	17.4
Sodium	1	MG/L	163	164	NR	167
	====	======	=========	=========	=========	========
Calcium Hardness	.1	MG/L	143	164	NR	165
Magnesium Hardness	.4	MG/L	116	126	NR	113
Total Hardness	.4	MG/L	259	280	NR	278
	====	======	=========	=========	=========	========
Bromide	.1	MG/L	ND	ND	NR	ND
Chloride	7	MG/L	239	224	NR	236
Fluoride	.05	MG/L	0.59	0.62	NR	0.68
Nitrate	.04	MG/L	59.00	58.50	NR	43.40
Ortho Phosphate	.2	MG/L	1.9	3.2	NR	4.0
Sulfate	9	MG/L	145	172	NR	190
		====== MG/L	ND	NR	0.006	0.002
Adjusted Sodium Adsorption		MG/L	4.2	4.3	NR	4.3
Percent Sodium		PERCENT	55.9	56.6	NR NR	4.3 54.5
Total Organic Carbon		MG/L	6.4	7.6	NR NR	7.6
Sulfides-Total	.4	MG/L	ND	NR	ND ND	ND
Ammonia-N	.3	MG/L MG/L	ND ND	0.7	ND NR	ND ND
AIIIIIO111a-N	. 5	nd/ L	ND	0.7	INK	ND

ND= Not Detected 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

2013

(Metals from Digestion and Ions from Supernatant)

Source:			N34-REC WATER
Date: Sample ID:	MDL	Units	01-0CT-2013 P677662
			=========
Aluminum	47	UG/L	ND
Antimony	2.9	UG/L	3
Arsenic	.4	UG/L	0.4
Barium	.039	UG/L	19.6
Beryllium	.022	UG/L	ND
Boron	7	UG/L	310
Cadmium	.53	UG/L	ND
Chromium	1.2	UG/L	2.1
Cobalt	.85	UG/L	ND
Copper	2	UG/L	ND
Iron	37	UG/L	68
Lead	2	UG/L	ND
Manganese	.24	UG/L	86.5
Mercury		UG/L	ND
Molybdenum	.89	UG/L	4.53
Nickel	.53	UG/L	6.79
Selenium	.28	UG/L	0.54
Silver	.4	UG/L	ND
Thallium	3.9	UG/L	ND
Vanadium 	.64	UG/L	2.98
Zinc	2.5	UG/L	24.1
Total Kjeldahl Nitrogen	1.6	MG/L	ND
C-1 - 4		======	
Calcium	.04	MG/L	62.1
Lithium		MG/L MG/L	0.037
Magnesium	.1	- •	26.0
Potassium Sodium	1	MG/L MG/L	15.9 164
30010111		======	==========
Calcium Hardness	.1	MG/L	155
Magnesium Hardness	.4	MG/L	107
Total Hardness	.4	MG/L	262
=======================================		======	=========
Bromide	.1	MG/L	ND
Chloride	7	MG/L	239
Fluoride	.05	MG/L	0.59
Nitrate	.04	MG/L	50.50
Ortho Phosphate	.2	MG/L	1.8
Sulfate	9	MG/L	183
	====	======	=========
Cyanide, Total	.002	MG/L	0.004
Adjusted Sodium Adsorption		MG/L	4.3
Percent Sodium		PERCENT	55.9
Total Organic Carbon		MC /I	6.3
Sulfides-Total		MG/L	0.3
	.4	MG/L	0.6
Ammonia-N	.4	•	

ND= Not Detected 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

2013

Radioactivity

Source	Sample Date	Sample	Units	Gross Alpha Radiation	Gross Beta Radiation
	=========			=======================================	=======================================
N10-EFF	05-FEB-2013	P649633	pCi/L	3.8±3.5	18.1±4.7
N10-EFF	07-MAY-2013	P661110	pCi/L	-2.7±4.9	24.6±8.2
N10-EFF	06-AUG-2013	P671108	pCi/L	2.7±5.8	20.2±6.5
N10-EFF	01-0CT-2013	P677657	pCi/L	0.7±4.2	25.7±6.7
N01-PS_INF	05-FEB-2013	P649623	pCi/L	5.9±4.8	18.7±6.1
N01-PS_INF	07-MAY-2013	P661100	pCi/L	4.7±7.7	31.5±9.9
N01-PS INF	06-AUG-2013	P671098	pCi/L	-2.5±4.9	25.1±7.2
N01-PS_INF	01-0CT-2013	P677647	pCi/L	7.2±6.3	19.3±5.9
N01-PEN	05-FEB-2013	P649628	pCi/L	0.7±4.2	14.1±4.4
N01-PEN	07-MAY-2013	P661105	pCi/L	2.0±7.3	19.9±9.6
N01-PEN	06-AUG-2013	P671103	pCi/L	12.6±5.2	24.5±6.3
N01-PEN	01-0CT-2013	P677652	pCi/L	1.1±4.5	20.5±5.0
N34-REC WATER	05-FEB-2013	P649638	pCi/L	-1.2±2.3	16.0±3.5
N34-REC WATER	09-MAY-2013	P661353	pCi/L	1.5±4.3	19.1±5.0
N34-REC WATER	06-AUG-2013	P671113	pCi/L	-1.0±5.0	21.1±5.4
N34-REC WATER		P677662	pCi/L	0.3±3.8	16.8±5.2

ND= Not Detected 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)

NØ1-PEN = Penasquitos Pump Station Influent

2013

Physical Parameters

Source:			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
Date:	MD	L Units	05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
=======================================	===	=======	========			
Ammonia-N	.3	MG/L	39.0	37.3	38.1	41.9
BOD (Biochemical Oxygen Demand)	2	MG/L	273*	243	275	235
Hexane Extractable Material	1.2	MG/L	28.0	34.4	55.7	38.6
Chemical Oxygen Demand	18	MG/L	623	612	657	757
Conductivity	10	UMHOS/CM	1940	2030	2080	2020
MBAS (Surfactants)	.03	MG/L	6.81	NR	5.92	6.68
pH (grab)		PH	7.0	7.1	7.0	7.1
Total Alkalinity (bicarbonate)	20	MG/L	270	281	299	310
Total Dissolved Solids	28	MG/L	996	1070	1130	1080
Total Suspended Solids	1.4	MG/L	284	180	253	232
Volatile Suspended Solids	1.6	MG/L	256	156	213	200
Total Kjeldahl Nitrogen	1.6	MG/L	54.5	55.6	60.3	61.4
Turbidity	.13	NTU	130	95	110	140
Sulfides-Total	.4	MG/L	1.1	3.6	5.0	6.2

Source:			NØ1-PEN	NØ1-PEN	NØ1-PEN	N01-PEN
Date:	MD	L Units	05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
	===	=======	========	========	=========	========
Ammonia-N	.3	MG/L	36.0	36.9	35.1	33.9
BOD (Biochemical Oxygen Demand)	2	MG/L	266*	244	212	160
Hexane Extractable Material	1.2	MG/L	57.3	56.6	60.7	62.5
Chemical Oxygen Demand	18	MG/L	522	548	633	640
Conductivity	10	UMHOS/CM	1500	1680	1610	1570
MBAS (Surfactants)	.03	MG/L	5.78	NR	5.43	3.88
pH (grab)		PH	7.1	7.2	7.2	7.1
Total Alkalinity (bicarbonate)	20	MG/L	280	292	302	288
Total Dissolved Solids	28	MG/L	716	848	804	784
Total Suspended Solids	1.4	MG/L	308	252	385	200
Volatile Suspended Solids	1.6	MG/L	280	208	340	168
Total Kjeldahl Nitrogen	1.6	MG/L	49.3	45.1	54.3	50.9
Turbidity	.13	NTU	130	75	90	110
Sulfides-Total	.4	MG/L	2.1	4.5	4.7	6.4

^{*} The acceptance range for the external check is 167.5-228.5 mg/L with a true value of 198 mg/L. The result value for the external check in this batch was 236 mg/L.

ND= Not Detected ND= Not Required

2013

Physical Parameters

Source: Date:	MD	L Units	N10-EFF 05-FEB-2013	N10-EFF 07-MAY-2013	N10-EFF 06-AUG-2013	N10-EFF 01-OCT-2013
=======================================	===	=======	=======================================	========	=========	========
Ammonia-N	.3	MG/L	38.0	37.3	38.2	38.8
BOD (Biochemical Oxygen Demand)	2	MG/L	181*	280	196	163
Hexane Extractable Material	1.2	MG/L	41.9	29.4	41.6	39.6
Chemical Oxygen Demand	18	MG/L	352	482	446	401
Conductivity	10	UMHOS/CM	1730	1870	1890	1680
MBAS (Surfactants)	.03	MG/L	6.66	NR	5.67	5.32
pH (grab)		PH	7.2	7.3	7.2	7.2
Total Alkalinity (bicarbonate)	20	MG/L	270	284	309	307
Total Dissolved Solids	28	MG/L	836	980	1040	984
Total Suspended Solids	1.4	MG/L	144	216	195	150
Volatile Suspended Solids	1.6	MG/L	122	174	163	124
Total Kjeldahl Nitrogen	1.6	MG/L	48.1	50.2	51.5	51.1
Turbidity	.13	NTU	100	100	95	90
Sulfides-Total	.4	MG/L	0.6	2.7	2.1	2.2

Source:		N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
Date:	MDL Units	05-FEB-2013	07-MAY-2013	09-MAY-2013	06-AUG-2013
=======================================	=========	= ========	=========	=========	========
Ammonia-N	.3 MG/L	ND	0.7	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	ND*	ND	ND	ND
Hexane Extractable Material	1.2 MG/L	3.9	ND	NR	2.6
Chemical Oxygen Demand	18 MG/L	30	ND	NR	23
Conductivity	10 UMHOS/C	M 1370	1370	NR	1520
MBAS (Surfactants)	.03 MG/L	0.09	NR	NR	0.04
pH (grab)	PH	6.7	6.8	NR	7.0
Total Alkalinity (bicarbonate)	20 MG/L	86	88	NR	116
Total Dissolved Solids	28 MG/L	802	818	854	886
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	NR	ND	ND
Total Nitrogen	.78 MG/L	15.3	13.9	NR	10.2**
Total Organic Carbon	MG/L	6.4	7.6	NR	7.6
Turbidity	.13 NTU	1.1	1.1	NR	1.1
Sulfides-Total	.4 MG/L	ND	NR	ND	ND

^{*} The acceptance range for the external check is 167.5-228.5 mg/L with a true value of 198 mg/L. The result value for the external check in this batch was 236 mg/L.

ND= Not Detected ND= Not Required

^{**} Sample analyzed out of holding time.

2013

Physical Parameters

4.62 3.39

3.96

0.04

Source:		N34-REC WATER	l		
Date:	MDL Units	01-0CT-2013			
	=== ======	========			
Ammonia-N	.3 MG/L	ND			
BOD (Biochemical Oxygen Demand)	2 MG/L	ND			
Hexane Extractable Material	1.2 MG/L	ND			
Chemical Oxygen Demand	18 MG/L	21			
Conductivity	10 UMHOS/CM	1420			
MBAS (Surfactants)	.03 MG/L	0.04			
pH (grab)	PH	7.0			
Total Alkalinity (bicarbonate)	20 MG/L	105			
Total Dissolved Solids	28 MG/L	854			
Total Suspended Solids	1.4 MG/L	ND			
Volatile Suspended Solids	1.6 MG/L	ND			
Total Kjeldahl Nitrogen	1.6 MG/L	ND			
Total Nitrogen	.78 MG/L	10.4			
Total Organic Carbon	MG/L	6.3			
Turbidity	.13 NTU	1.1			
Sulfides-Total	.4 MG/L	0.6			
		NOA DE THE	NO4 DEN	N4.0 FFF	N24 DEC 1475D
Source:		N01-PS_INF			N34-REC WATER
Date:	MDL Units	25-JUN-2013	25-JUN-2013	25-JUN-2013	25-JUN-2013
	=== ======	========	========	========	========

ND= Not Detected ND= Not Required

MBAS (Surfactants) .03 MG/L

2013

Organo - Tins

Source: Date: Sample ID: MD	DL Units	N01-PS_INF 05-FEB-2013 P649623	N01-PS_INF 07-MAY-2013 P661100	N01-PS_INF 06-AUG-2013 P671098	N01-PS_INF 01-OCT-2013 P677647
Tributyltin 2 Dibutyltin 7 Monobutyltin 16	UG/L UG/L	ND ND ND	ND ND ND	ND ND ND	ND ND ND
Source: Date: Sample ID: MD	DL Units == =====	N01-PEN 05-FEB-2013 P649628	N01-PEN 07-MAY-2013 P661105	N01-PEN 06-AUG-2013 P671103	N01-PEN 01-OCT-2013 P677652
Tributyltin 2 Dibutyltin 7 Monobutyltin 16	UG/L	ND ND ND	ND ND ND	ND ND ND	ND ND ND
Source: Date: Sample ID: MD	DL Units	N10-EFF 05-FEB-2013 P649633	N10-EFF 07-MAY-2013 P661110	N10-EFF 06-AUG-2013 P671108	N10-EFF 01-OCT-2013 P677657
Tributyltin 2 Dibutyltin 7 Monobutyltin 16	UG/L UG/L	ND ND ND ND	ND ND ND	ND ND ND	ND ND ND
Source: Date: Sample ID: MD	DL Units	N34-REC WATER 05-FEB-2013 P649638	N34-REC WATER 07-MAY-2013 P661115	N34-REC WATER 06-AUG-2013 P671113	N34-REC WATER 01-OCT-2013 P677662
Tributyltin 2 Dibutyltin 7 Monobutyltin 16	UG/L UG/L	ND ND ND	ND ND ND	ND ND ND	ND ND ND

2013 Chlorinated Pesticides

			N01-PS_INF 05-FEB-2013	N01-PS_INF 07-MAY-2013	N01-PS_INF 06-AUG-2013	N01-PS_INF 01-OCT-2013
Analyte ====================================	MDL	Units	P649623	P661100	P671098	P677647
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	13	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene	_	NG/L	NA NA	NA NA	NA NA	NA NA
Gamma Chlordene		NG/L	NA NA	NA NA	NA NA	NA.
Cis Nonachlor	5	NG/L	ND	ND.	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	15	NG/L	ND	ND.	ND	ND
Endrin	10	NG/L	20	ND.	ND	ND
Endrin aldehyde	10	NG/L	ND.	ND.	ND ND	ND
Heptachlor	15	NG/L	ND.	ND.	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND.	ND	ND
Methoxychlor	18	NG/L	ND.	ND.	ND	ND
Mirex	10	NG/L	ND	ND.	ND	ND
o,p-DDD	100	NG/L	ND	ND ND	ND ND	ND ND
o,p-DDE	100	NG/L	ND	ND.	ND	ND
o,p-DDT	100	NG/L	ND ND	ND ND	ND ND	ND ND
Oxychlordane	3	NG/L	ND	ND.	NA	ND
PCB 1016	1300	•	ND	ND.	ND	ND
PCB 1221		NG/L	ND	ND ND	ND ND	ND ND
PCB 1232	1300		ND.	ND.	ND	ND
PCB 1242	1300		ND.	ND.	ND	ND
PCB 1248	1300		ND	ND.	ND	ND
PCB 1254		NG/L	ND.	ND.	ND	ND
PCB 1260		NG/L	ND.	ND.	ND	ND
PCB 1262	1300		ND.	ND.	ND	ND
p,p-DDD	20	NG/L	ND.	ND.	ND	ND
p,p-DDE	15	NG/L	ND.	DNQ 3	ND	DNQ 3
p,p-DDT	20	NG/L	ND.	ND ND	ND	ND ND
Toxaphene	1300		ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=======================================	-	=====	==========	=========	=========	=========
Heptachlors	15	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Polychlorinated biphenyls	1300		0	0	0	0
Chlordane + related cmpds.		NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
Aldrin + Dieldrin	10	NG/L	0	0	0	0
=======================================	====	=====	========	=========	=========	========
Chlorinated Hydrocarbons	1300	NG/L	20	0	0	0

MDLs listed are the maximum MDL for the past 12 months

NA= Not Analyzed

ND= Not Detected

DNQ= Detected but not quantified. Sample results were less than Minimum Level (ML), but greater than or equal to the MDL

Chlorinated Pesticides

Analyte	MDL	Units	N01-PEN 05-FEB-2013 P649628	N01-PEN 07-MAY-2013 P661105	N01-PEN 06-AUG-2013 P671103	N01-PEN 01-OCT-2013 P677652
=======================================				=======================================		
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	13	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	15	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	17	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
0xychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	•	ND	ND	ND	ND
PCB 1221	1300	•	ND	ND	ND	ND
PCB 1232	1300	•	ND	ND	ND	ND
PCB 1242	1300	•	ND	ND ND	ND	ND
PCB 1248 PCB 1254	1300 1300	- /	ND ND	ND ND	ND ND	ND ND
PCB 1254 PCB 1260	1300	- /	ND ND	ND ND	ND ND	ND ND
PCB 1260 PCB 1262	1300	•	ND ND	ND ND	ND ND	ND ND
p,p-DDD	20	NG/L	ND ND	ND ND	ND ND	ND ND
p,p-DDE	15	NG/L	ND ND	ND ND	ND ND	DNO 4
p,p-DDT	20	NG/L	ND ND	ND ND	ND ND	ND ND
Toxaphene	1300		ND ND	ND ND	ND ND	ND ND
Trans Nonachlor	3	NG/L	ND ND	ND ND	NA NA	ND ND
=======================================	-	=====			=========	
Heptachlors	15	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Polychlorinated biphenyls	1300		0	0	0	0
Chlordane + related cmpds.		NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
Aldrin + Dieldrin	10	NG/L	0	0	0	0
			=========	=========	========	========
Chlorinated Hydrocarbons	1300	NG/L	17	0	0	0

MDLs listed are the maximum MDL for the past 12 months

NA= Not Analyzed

ND= Not Detected

DNQ= Detected but not quantified. Sample results were less than Minimum Level (ML), but greater than or equal to the MDL

Chlorinated Pesticides

Analyte	MDL	Units	N10-EFF 05-FEB-2013 P649633	N10-EFF 07-MAY-2013 P661110	N10-EFF 06-AUG-2013 P671108	N10-EFF 01-OCT-2013 P677657
======================================	8	===== NG/L	ND	ND	ND	ND
	o 13	NG/L	ND ND	ND ND	ND ND	ND ND
BHC, Alpha isomer BHC, Beta isomer	20	NG/L	ND ND	ND ND	ND ND	ND ND
BHC, Delta isomer	18	NG/L	ND ND	ND ND	ND ND	ND ND
BHC, Gamma isomer	15	NG/L	ND ND	ND ND	ND ND	ND ND
Alpha (cis) Chlordane	2	NG/L	ND ND	ND ND	ND ND	ND ND
Gamma (trans) Chlordane	2	NG/L	ND ND	ND ND	ND ND	ND ND
Alpha Chlordene	2	NG/L	NA NA	NA NA	NA NA	NA NA
Gamma Chlordene		NG/L	NA NA	NA NA	NA NA	NA NA
Cis Nonachlor	5	NG/L	ND ND	ND.	NA NA	ND ND
Dieldrin	10	NG/L	ND ND	ND ND	ND ND	ND ND
Endosulfan Sulfate	15	NG/L	ND ND	ND ND	ND ND	ND ND
Alpha Endosulfan	15	NG/L	ND ND	ND ND	ND ND	ND ND
Beta Endosulfan	15	NG/L	ND ND	ND ND	ND ND	ND ND
Endrin	10	NG/L	ND ND	ND ND	ND ND	ND
Endrin aldehyde	10	NG/L	ND.	ND.	ND ND	ND
Heptachlor	15	NG/L	ND.	ND.	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300		ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=======================================	====	=====	=========	=========	=========	=========
Heptachlors	15	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Chlorinated Hydrocarbons	1300		0	0	0	0

MDLs listed are the maximum MDL for the past 12 months

NA= Not Analyzed ND= Not Detected

Chlorinated Pesticides

N34-REC WATER N34-REC WATER N34-REC WATER N34-REC WATER 05-FEB-2013 07-MAY-2013 06-AUG-2013 01-OCT-2013 Analyte MDL Units P649638 P661115 P671113 P677662 _____ ______ Aldrin 8 NG/L ND ND ND BHC, Alpha isomer ND ND ND NG/L ND 13 BHC, Beta isomer 20 NG/L ND ND ND ND BHC, Delta isomer NG/L ND 18 ND ND ND BHC, Gamma isomer 15 NG/L ND ND ND Alpha (cis) Chlordane ND NG/L ND ND ND 2 Gamma (trans) Chlordane 2 NG/L ND ND ND ND NG/L Alpha Chlordene NA NA NA NA Gamma Chlordene NG/L NA NA NA NA Cis Nonachlor NG/L ND ND NΔ ND Dieldrin 10 NG/L ND ND ND ND Endosulfan Sulfate 15 NG/L ND ND ND ND Alpha Endosulfan 15 NG/L ND ND ND ND Beta Endosulfan NG/L ND ND 15 ND ND Endrin 10 NG/L ND ND ND ND Endrin aldehyde NG/L ND 10 ND ND ND Heptachlor 15 NG/L ND ND ND ND Heptachlor epoxide 13 NG/L ND ND ND ND Methoxychlor NG/L ND ND ND ND 10 NG/L ND ND ND ND Mirex o,p-DDD 100 NG/L ND ND ND ND o,p-DDE ND 100 NG/L ND ND ND o,p-DDT 100 NG/L ND ND ND ND Oxychlordane NG/L ND NA 3 ND ND PCB 1016 1300 NG/L ND ND ND ND PCB 1221 1300 NG/L ND ND ND ND PCB 1232 1300 NG/L ND ND ND ND 1300 NG/L PCB 1242 ND ND ND ND PCB 1248 1300 NG/L ND ND ND ND PCB 1254 1300 NG/L ND ND ND ND PCB 1260 1300 NG/L ND ND ND ND PCB 1262 1300 NG/L ND ND ND ND p,p-DDD 20 NG/L ND ND ND ND p,p-DDE 15 NG/L ND ND ND ND 20 NG/L ND ND ND p,p-DDT ND Toxaphene 1300 NG/L ND ND ND ND Trans Nonachlor 3 NG/L ND ND NA ND Heptachlors 15 NG/L 0 0 0 NG/L Fndosulfans a 0 0 15 0 Polychlorinated biphenyls 1300 NG/L Chlordane + related cmpds. 5 0 0 0 NG/L a DDT and derivatives 100 NG/L 0 0 0 0 Hexachlorocyclohexanes 20 NG/L а а а 0 Aldrin + Dieldrin 10 NG/L 0 0 0 0

MDLs listed are the maximum MDL for the past 12 months

Chlorinated Hydrocarbons 1300 NG/L

NA= Not Analyzed ND= Not Detected

2013

Base/Neutral Compounds

			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
- 3	MDL	Units	05-FEB-2013 P649623	P661100	P671098	01-0CT-2013 P677647
1,2,4-Trichlorobenzene		===== UG/L	ND	ND	ND	ND
		UG/L	ND	ND ND	ND	ND.
		UG/L	ND	ND	ND	ND.
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
		UG/L	3.7	3.6	3.6	4.5
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
	2.44	UG/L	ND	ND	ND	ND
` ` ` `		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
, , ,		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
, ,		UG/L	ND	ND	ND	ND
•	1.8	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
		UG/L	ND ND	ND ND	ND ND	ND ND
		UG/L	ND ND	ND ND	ND ND	ND ND
- (UG/L	ND ND	ND ND	16.1	20.5
		UG/L	ND ND	ND ND	ND	ND
	1.1	•	ND	ND ND	ND ND	ND.
		UG/L	ND	ND	ND	ND.
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
	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
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
•		UG/L	ND	ND	ND	ND
•		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND ND	ND ND	ND ND
		UG/L UG/L	ND ND	ND ND	ND ND	ND ND
		UG/L	ND ND	ND ND	ND ND	ND ND
	1.43	•	ND ND	ND ND	ND ND	ND.
=======================================		•		=========		
Polynuc. Aromatic Hydrocarbons			0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	3.70	3.60	19.70	25.00
Additional analytes determined						
=======================================	====	=====				
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
		UG/L	ND	ND	ND	ND
	2.18	UG/L	ND	ND	ND	ND
	1.46	UG/L	ND	ND	ND	ND
2 2.7	1.44	UG/L	ND	ND	ND	ND
,		UG/L	ND	ND	ND	ND
	2 20	UG/L	ND	ND	ND	ND
		UG/L	ND ND	ND ND	ND ND	ND

2013

Base/Neutral Compounds

Analyte	MDL	Units	N01-PEN 05-FEB-2013 P649628	N01-PEN 07-MAY-2013 P661105	N01-PEN 06-AUG-2013 P671103	N01-PEN 01-OCT-2013 P677652
1 2 4 Tui-shlanshansas				ND.		
1,2,4-Trichlorobenzene		UG/L	ND ND	ND ND	ND ND	ND ND
<pre>1,2-Diphenylhydrazine 2,4-Dinitrotoluene</pre>		UG/L UG/L	ND ND	ND ND	ND ND	ND ND
2,6-Dinitrotoluene		UG/L	ND	ND ND	ND ND	ND
Dibenzo(a,h)anthracene Diethyl phthalate		UG/L UG/L	ND ND	3.6	4.2	ND 5.0
Dimethyl phthalate		UG/L	ND ND	ND	ND	ND
Di-n-butyl phthalate		UG/L	ND ND	ND ND	ND ND	ND ND
Di-n-octyl phthalate	1	UG/L	ND ND	ND ND	ND ND	ND ND
2-Chloronaphthalene		UG/L	ND ND	ND ND	ND ND	ND ND
3,3-Dichlorobenzidine		UG/L	ND ND	ND ND	ND ND	ND ND
3,4-Benzo(b)fluoranthene		UG/L	ND ND	ND ND	ND ND	ND ND
4-Bromophenyl phenyl ether	1.4		ND ND	ND ND	ND ND	ND ND
4-Chlorophenyl phenyl ether		UG/L	ND	ND	ND ND	ND
Hexachloroethane		UG/L	ND	ND	ND	ND
Hexachlorobenzene		UG/L	ND	ND	ND	ND
Hexachlorobutadiene		UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND
Acenaphthene	1.8		ND	ND	ND	ND
Acenaphthylene		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	13.1	10.2	13.0
Benzidine		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	5.9	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		UG/L	ND	ND	ND	ND
Isophorone		UG/L	ND	ND	ND	ND
Naphthalene		UG/L	ND	ND	ND	ND
Nitrobenzene	1.6		ND	ND	ND	ND
N-nitrosodimethylamine		UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine		UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine		UG/L	ND	ND	ND	ND
Phenanthrene	1.34		ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1 77	=====	0.0	0.0	0.0	0.0
Base/Neutral Compounds		UG/L	0.00	16.70	20.30	18.00
base/Neucl al Compounds	0.50	OG/ L	0.00	10.70	20.30	10.00
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		UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene		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	5.5	ND

2013

Base/Neutral Compounds

Analyte		Units	N10-EFF 05-FEB-2013 P649633	N10-EFF 07-MAY-2013 P661110	N10-EFF 06-AUG-2013 P671108	N10-EFF 01-OCT-2013 P677657
4. 2. 4. Tućah lanah sarana				=========		
<pre>1,2,4-Trichlorobenzene 1,2-Diphenylhydrazine</pre>		UG/L UG/L	ND ND	ND ND	ND ND	ND ND
2,4-Dinitrotoluene		UG/L	ND ND	ND ND	ND ND	ND ND
2,6-Dinitrotoluene		UG/L	ND ND	ND ND	ND ND	ND ND
Dibenzo(a,h)anthracene		UG/L	ND ND	ND ND	ND ND	ND ND
Diethyl phthalate		UG/L	4.5	4.1	4.1	4.6
Dimethyl phthalate		UG/L	ND	ND	ND.	ND
Di-n-butyl phthalate		UG/L	ND	ND ND	ND ND	ND ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
2-Chloronaphthalene		UG/L	ND.	ND	ND.	ND.
3,3-Dichlorobenzidine		UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene		UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether		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	13.8	ND	20.0
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene		UG/L	ND	ND	ND	ND
Benzo[a]pyrene		UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene		UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene		UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane		UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether		UG/L	ND	ND	ND	ND
Butyl benzyl phthalate		UG/L	ND	ND	ND	ND
Chrysene		UG/L	ND	ND	ND	ND
Fluoranthene		UG/L	ND	ND	ND	ND
Fluorene		UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene		UG/L	ND	ND	ND	ND
Isophorone		UG/L	ND	ND	ND	ND
Naphthalene Nitrobenzene		UG/L UG/L	ND ND	ND ND	ND ND	ND ND
N-nitrosodimethylamine		UG/L	ND ND	ND ND	ND ND	ND ND
N-nitrosodimetnylamine N-nitrosodiphenylamine		UG/L	ND ND	ND ND	ND ND	ND ND
N-nitrosodi-n-propylamine		UG/L	ND ND	ND ND	ND ND	ND ND
Phenanthrene		UG/L	ND ND	ND ND	ND ND	ND ND
Pyrene		UG/L	ND	ND ND	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	4.50	17.90	4.10	24.60
Additional analytes determined						
	====		========	========		========
<pre>1-Methylnaphthalene</pre>	2.18	UG/L	ND	ND	ND	ND
<pre>2-Methylnaphthalene</pre>	2.14	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene		UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene		UG/L	ND	ND	ND	ND
1-Methylphenanthrene		UG/L	ND	ND	ND	ND
Benzo[e]pyrene		UG/L	ND	ND	ND	ND
Perylene		UG/L	ND	ND	ND	ND
Biphenyl		UG/L	ND	ND	ND	ND F. O
Pyridine	3.33	UG/L	ND	ND	ND	5.0

2013

Base/Neutral Compounds

N34-REC WATERN34-REC WATERN34-REC WATERN34-REC WATER 05-FEB-2013 07-MAY-2013 06-AUG-2013 01-OCT-2013 P661115 MDI Units P649638 P671113 P677662 Analyte ______ 1,2,4-Trichlorobenzene ND ND ND ND 1.52 UG/L 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 1.35 UG/L 3,4-Benzo(b)fluoranthene 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 1.29 UG/L Anthracene ND ND ND ND Bis-(2-chloroisopropyl) ether 1.16 UG/L ND ND ND ND 8.96 UG/L Bis-(2-ethylhexyl) phthalate 26.5 17.4 13.7 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 1.16 UG/L Chrysene 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 1.27 UG/L N-nitrosodimethylamine ND ND ND ND N-nitrosodiphenylamine 3.48 UG/L ND ND ND ND 1.16 UG/L ND N-nitrosodi-n-propylamine 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 26.50 17.40 13.70 0.00 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 1.46 UG/L 1-Methylphenanthrene 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

2013

Organophosphorous Pesticides

			N01-PS_INF 07-MAY-2013	N01-PS_INF 01-OCT-2013	N01-PEN 07-MAY-2013	N01-PEN 01-OCT-2013
Analyte		Units	P661100	P677647	P661105	P677652
Demeton O		UG/L	ND	ND	ND	ND
Demeton S		UG/L	ND	ND	ND	ND
Diazinon		UG/L	ND	ND	ND ND	ND
Guthion		UG/L	ND	ND	ND ND	ND
Malathion		UG/L	DNQ 0.080	ND ND	ND ND	ND
Parathion		UG/L	ND	ND ND	ND ND	ND.
=======================================		=====		==========	===========	=========
Thiophosphorus Pesticides	.15	UG/L	0.080	0.000	0.000	0.000
Demeton -O, -S	.15	UG/L	0.000	0.000	0.000	0.000
	===	=====		========	=========	========
Total Organophosphorus Pesticides			0.080	0.000	0.000	0.000
Dichlorvos		UG/L	ND	ND	ND.	ND
Disulfoton		UG/L	ND	ND	ND	ND
Dimethoate		UG/L	ND	ND	ND ND	ND
Stirophos		UG/L	ND	ND	ND ND	ND
Coumaphos		UG/L	ND ND	ND ND	ND ND	ND
Chlorpyrifos		UG/L	ND ND	ND ND	ND ND	ND
			N10-EFF 07-MAY-2013	N10-EFF 01-OCT-2013	N34-REC WATER 07-MAY-2013	N34-REC WATER 01-OCT-2013
Analyte	MDL	Units				
	===	=====	07-MAY-2013 P661110	01-0CT-2013 P677657	07-MAY-2013 P661115	01-0CT-2013 P677662
Demeton 0	=== .15	===== UG/L	07-MAY-2013 P661110 ======	01-0CT-2013 P677657 ======	07-MAY-2013 P661115 ======	01-OCT-2013 P677662 ======ND
Demeton O Demeton S	=== .15 .08	===== UG/L UG/L	07-MAY-2013 P661110 ====== ND ND	01-OCT-2013 P677657 ======= ND ND	07-MAY-2013 P661115 ===== ND ND	01-OCT-2013 P677662 ====== ND ND
Demeton O Demeton S Diazinon	.15 .08 .03	===== UG/L UG/L UG/L	07-MAY-2013 P661110 ND ND ND	01-OCT-2013 P677657 ======= ND ND ND	07-MAY-2013 P661115 ====== ND ND ND	01-OCT-2013 P677662 ======= ND ND ND
Demeton O Demeton S Diazinon Guthion	.15 .08 .03	===== UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ======= ND ND ND ND	01-OCT-2013 P677657 ======== ND ND ND ND	07-MAY-2013 P661115 ======= ND ND ND ND ND	01-OCT-2013 P677662 ======= ND ND ND ND
Demeton O Demeton S Diazinon Guthion Malathion	 .15 .08 .03 .15	===== UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ======= ND ND ND ND ND	01-OCT-2013 P677657 ======== ND ND ND ND ND	07-MAY-2013 P661115 ======= ND ND ND ND ND	01-OCT-2013 P677662 ======== ND ND ND ND ND ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion	 .15 .08 .03 .15 .03	===== UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ======= ND ND ND ND	01-OCT-2013 P677657 ======== ND ND ND ND	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ======== ND ND ND ND ND ND ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion	 .15 .08 .03 .15 .03	UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ========= ND ND ND ND ND ND ND	01-OCT-2013 P677657 ========= ND ND ND ND ND ND ND	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ======== ND ND ND ND ND ND ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion	-== .15 .08 .03 .15 .03 .03	===== UG/L UG/L UG/L UG/L UG/L UG/L ===== UG/L	07-MAY-2013 P661110 ND ND ND ND ND ND ND	01-OCT-2013 P677657 ========= ND ND ND ND ND ND ND	07-MAY-2013 P661115 ND	01-OCT-2013 P677662
Demeton O Demeton S Diazinon Guthion Malathion Parathion ====================================	-== .15 .08 .03 .15 .03 .03 -== .15	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND ND ND ND ND ND ND OD ND	01-OCT-2013 P677657 ND ND ND ND ND ND ND ND ND OD ND	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND ND ND ND ND ND ND ND OD ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion	-== .15 .08 .03 .15 .03 .03 -== .15 .15	===== UG/L UG/L UG/L UG/L UG/L UG/L ===== UG/L UG/L	07-MAY-2013 P661110 ND ND ND ND ND ND ND	01-OCT-2013 P677657 ND ND ND ND ND ND ND ND ND OD ND	07-MAY-2013 P661115 ND 0.000	01-OCT-2013 P677662
Demeton O Demeton S Diazinon Guthion Malathion Parathion ————————————————————————————————————	15 .08 .03 .15 .03 .0315 .15	===== UG/L UG/L UG/L UG/L UG/L UG/L ===== UG/L UG/L ===== UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657 =================================	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND ND ND ND ND ND ND OD ND OD
Demeton O Demeton S Diazinon Guthion Malathion Parathion ====================================	-== .15 .08 .03 .15 .03 .03 -== .15 .15 -== .05	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657 =================================	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion ====================================	-== .15 .08 .03 .15 .03 .03 -== .15 .15 -== .05 .02	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion ====================================	=== .15 .08 .03 .15 .03 .93 === .15 .15 === .05 .02 .04	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion Thiophosphorus Pesticides Demeton -O, -S Total Organophosphorus Pesticides Dichlorvos Disulfoton Dimethoate Stirophos	.15 .08 .03 .15 .03 .03 .15 .15 .15 .15 15 	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND
Demeton O Demeton S Diazinon Guthion Malathion Parathion ====================================		===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	07-MAY-2013 P661110 ND	01-OCT-2013 P677657	07-MAY-2013 P661115 ND	01-OCT-2013 P677662 ND

ND = Not Detected

2013

Benzidines

Source: Date:	MDL	Units	N01-PS_INF 05-FEB-2013 P649623	N01-PS_INF 07-MAY-2013 P661100	N01-PS_INF 06-AUG-2013 P671098	N01-PS_INF 01-OCT-2013 P677647
===========	====	=====	=========	==========		=========
3,3-Dichlorobenzidine Benzidine		UG/L UG/L	ND ND	ND ND	ND ND	ND ND
Source: Date:		Units	N01-PEN 05-FEB-2013 P649628	N01-PEN 07-MAY-2013 P661105	N01-PEN 06-AUG-2013 P671103	N01-PEN 01-OCT-2013 P677652
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
Benzidine		UG/L	ND	ND	ND	ND
Source: Date:	MDL ====	Units	N10-EFF 05-FEB-2013 P649633	N10-EFF 07-MAY-2013 P661110	N10-EFF 06-AUG-2013 P671108	N10-EFF 01-OCT-2013 P677657
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	N34-REC WATER
Date:	MDI		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
	MDL	Units	P649638	P661115	P671113	P677662
3,3-Dichlorobenzidine	2 44	=====	ND	ND	ND	ND
Benzidine		UG/L	ND ND	ND ND	ND ND	ND ND
Delizitatile	1.52	OU/L	שאו	ND	טוו	שאו

2013

Phenolic Compounds

			N01-PS_INF 05-FEB-2013	N01-PS_INF 07-MAY-2013	N01-PS_INF 06-AUG-2013	N01-PS_INF 01-OCT-2013
Analyte	MDL	Units	P649623	P661100	P671098	P677647
=======================================						
2,4,6-Trichlorophenol		UG/L	ND	ND	ND	ND
2,4-Dichlorophenol		UG/L	ND	ND ND	ND.	ND
2,4-Dimethylphenol		UG/L	ND	ND	ND	ND.
2,4-Dinitrophenol		UG/L	ND	ND	ND	ND.
2-Methyl-4,6-dinitrophenol		UG/L	ND	ND	ND	ND
2-Chlorophenol		UG/L	ND	ND	ND	ND
2-Nitrophenol		UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol		UG/L	ND	ND	ND	ND
4-Nitrophenol		UG/L	ND	ND	ND	ND
Pentachlorophenol		UG/L	ND	ND	ND	ND
Phenol		UG/L	24.60	30.30	26.70	31.30
=======================================	====	=====	========	=========		=========
Total Non-Chlorinated Phenols	2.16	UG/L	24.60	30.30	26.70	31.30
Total Chlorinated Phenols	1.67	UG/L	0.00	0.00	0.00	0.00
=======================================	====	=====	=========	========	=========	=========
Phenols	2.16	UG/L	24.60	30.30	26.70	31.30
Additional analytes determined						
=======================================	====	=====	=========		=========	========
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
<pre>3-Methylphenol(4-MP is unresolved)</pre>		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)			65.90	69.00	58.90	106.00
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Analyte	MDL	Units	N01-PEN 05-FEB-2013 P649628	N01-PEN 07-MAY-2013 P661105	N01-PEN 06-AUG-2013 P671103	N01-PEN 01-OCT-2013 P677652
	====		05-FEB-2013 P649628 ======	07-MAY-2013 P661105	06-AUG-2013 P671103	01-0CT-2013 P677652 ======
2,4,6-Trichlorophenol	==== 1.65	===== UG/L	05-FEB-2013 P649628 ======	07-MAY-2013 P661105 ======	06-AUG-2013 P671103 ======	01-0CT-2013 P677652 =======
2,4,6-Trichlorophenol 2,4-Dichlorophenol	1.65 1.01	==== UG/L UG/L	05-FEB-2013 P649628 ====== ND ND	07-MAY-2013 P661105 ====== ND ND	06-AUG-2013 P671103 ====== ND ND	01-0CT-2013 P677652 ====== ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol	1.65 1.01 2.01	UG/L UG/L UG/L	05-FEB-2013 P649628 ND ND ND	07-MAY-2013 P661105 ====== ND ND ND	06-AUG-2013 P671103 ====== ND ND ND	01-OCT-2013 P677652 ====== ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol	1.65 1.01 2.01 2.16	===== UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND ND ND ND	07-MAY-2013 P661105 ======= ND ND ND ND	06-AUG-2013 P671103 ======= ND ND ND ND	01-OCT-2013 P677652 ======= ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Methyl-4,6-dinitrophenol	1.65 1.01 2.01 2.16 1.52	===== UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND ND ND ND ND	07-MAY-2013 P661105 ======= ND ND ND ND ND	06-AUG-2013 P671103 ======== ND ND ND ND ND	01-OCT-2013 P677652 ======== ND ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol	1.65 1.01 2.01 2.16 1.52 1.32	===== UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND ND ND ND ND ND	07-MAY-2013 P661105 ======== ND ND ND ND ND ND	06-AUG-2013 P671103 ======== ND ND ND ND ND ND	01-OCT-2013 P677652 ======== ND ND ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ======== ND ND ND ND ND ND ND	06-AUG-2013 P671103 ======== ND ND ND ND ND ND ND	01-OCT-2013 P677652 ======== ND ND ND ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55	==== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ======== ND ND ND ND ND ND ND ND	06-AUG-2013 P671103 ======== ND ND ND ND ND ND ND ND	01-OCT-2013 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ND	06-AUG-2013 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ND	06-AUG-2013 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ======= ND	06-AUG-2013 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ======= ND	06-AUG-2013 P671103 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ====	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ======== ND	06-AUG-2013 P671103 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols	 1.65 1.01 2.01 2.16 1.52 1.55 1.67 1.14 1.76 2.16 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ND	06-AUG-2013 P671103 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105 ND	06-AUG-2013 P671103 P671103 ND	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.72 1.76 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND	07-MAY-2013 P661105	06-AUG-2013 P671103 P671103 ND ND ND ND ND ND ND ND S S S S S S S S	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 2.16 1.67 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628 ND ND ND ND ND ND ND ND SS	07-MAY-2013 P661105	06-AUG-2013 P671103	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 2.16 1.67 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628	07-MAY-2013 P661105	06-AUG-2013 P671103	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628	07-MAY-2013 P661105	06-AUG-2013 P671103	01-OCT-2013 P677652 P677652 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649628	07-MAY-2013 P661105	06-AUG-2013 P671103	01-OCT-2013 P677652 P677652 ND

ND= Not Detected NA= Not Analyzed

2013

Phenolic Compounds

			N10-EFF	N10-EFF	N10-EFF	N10-EFF
	мъ		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
Analyte	MDL	Units	P649633	P661110	P671108	P677657
2,4,6-Trichlorophenol		===== UG/L	ND	ND	ND	ND
2,4-Dichlorophenol		UG/L	ND ND	ND ND	ND ND	ND ND
2,4-Dimethylphenol		UG/L	ND ND	ND	ND ND	ND
2,4-Dinitrophenol		UG/L	ND ND	ND	ND ND	ND
2-Methyl-4,6-dinitrophenol		UG/L	ND	ND ND	ND	ND
2-Chlorophenol		UG/L	ND	ND	ND	ND
2-Nitrophenol		UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol		UG/L	ND	ND	ND	ND
4-Nitrophenol		UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol		UG/L	18.20	15.10	9.29	15.60
Total Non-Chlorinated Phenols		UG/L	18.20	15.10	9.29	15.60
Total Chlorinated Phenols		UG/L	0.00	0.00	0.00	0.00
Phenols		===== UG/L	18.20	15.10	9.29	======== 15.60
Additional analytes determined	====	=====	========	========		=======
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
<pre>3-Methylphenol(4-MP is unresolved)</pre>		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	30.20	29.40	18.20	39.20
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Analyte ====================================	MDL ====	Units	05-FEB-2013 P649638	07-MAY-2013 P661115	06-AUG-201	3 P677662
	====		05-FEB-2013 P649638	07-MAY-2013 P661115	06-AUG-201 P67111	3 01-0CT-2013 3 P677662
	==== 1.65		05-FEB-2013 P649638	07-MAY-2013 P661115 ======	96-AUG-201 P67111	3 01-0CT-2013 3 P677662 =======
2,4,6-Trichlorophenol	1.65 1.01	===== UG/L	05-FEB-2013 P649638 =======	07-MAY-2013 P661115 ====== ND	06-AUG-201 P67111 ====== ND	3 01-OCT-2013 3 P677662 ======
2,4,6-Trichlorophenol 2,4-Dichlorophenol	1.65 1.01 2.01	===== UG/L UG/L	05-FEB-2013 P649638 ====== ND ND	07-MAY-2013 P661115 ====== ND ND	06-AUG-201 P67111 P67111 ND ND	3 01-OCT-2013 3 P677662 ====== ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol	1.65 1.01 2.01 2.16	===== UG/L UG/L UG/L	05-FEB-2013 P649638 ======= ND ND ND	07-MAY-2013 P661115 ===== ND ND ND ND	9 06-AUG-201 P67111: P67111: ND ND ND	3 01-OCT-2013 3 P677662 ====== ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol	1.65 1.01 2.01 2.16 1.52 1.32	===== UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ========= ND ND ND ND ND ND ND	07-MAY-2013 P661115 ND	06-AUG-201 P67111: ND ND ND ND ND ND ND ND	3 01-OCT-2013 3 P677662 ======== ND ND ND ND ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ========== ND ND ND ND ND ND ND ND	07-MAY-2013 P661115 ======== ND	06-AUG-201 P67111: ND ND ND ND ND ND ND ND ND ND	3 01-OCT-2013 3 P677662 ======== ND ND ND ND ND ND ND ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67	==== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ======== ND	06-AUG-201 P67111: ND ND ND ND ND ND ND ND ND ND ND	3 01-OCT-2013 3 P677662 ======== ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ======== ND	06-AUG-201 P67111 ND	3 01-OCT-2013 3 P677662 ======== ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	96-AUG-201 967111 908-88888888888888888888888888888888888	3 01-OCT-2013 3 P677662 ======= ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ======== ND	06-AUG-201 P67111 ND	3 01-OCT-2013 3 P677662 ======== ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	96-AUG-201 967111 908-88888888888888888888888888888888888	3 01-OCT-2013 3 P677662 ======= ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	96-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ======= ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol ====================================	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	06-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols ====================================	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	96-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Chlorophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67 ====	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 P661115 ND	06-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Chloroja-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols Henols Additional analytes determined	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 P661115 ND	06-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 2-Nitrophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol Total Non-Chlorinated Phenols Total Chlorinated Phenols Total Chlorinated Phenols	==== 1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16 1.67 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	06-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Chlorophenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol ====================================	1.65 1.01 2.01 2.16 1.52 1.32 1.55 1.67 1.14 1.12 1.76 ==== 2.16	===== UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	05-FEB-2013 P649638 ND	07-MAY-2013 P661115 ND	06-AUG-201 P67111 P67111 ND	3 01-OCT-2013 3 P677662 ND

ND= Not Detected NA= Not Analyzed

2013
Priority Pollutants Purgeable Compounds, EPA Method 8260B

			N01-PS_INF 05-FEB-2013	N01-PS_INF 07-MAY-2013	N01-PS_INF 06-AUG-2013	N01-PS_INF 01-OCT-2013
Analyte	MDI	Units	P649626	P661103	P671101	P677650
=======================================		=====	========	========		========
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	ND	ND	1.3	1.3
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	1.1	1.7	1.5	1.8
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	DNQ 0.5	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	7.2	2.1	5.0	9.9
Ethylbenzene	.3	UG/L	ND	ND	ND	DNQ 0.5
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein	1.3	UG/L	ND	ND	ND	ND
<pre>1,2-Dichlorobenzene</pre>	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	3.3*	ND	DNQ 0.9	DNQ 0.9
1,3-Dichlorobenzene	.5		ND	ND	ND	ND
Dichlorodifluoromethane		UG/L	ND	ND	ND	ND
			========	========	========	========
Halomethane Purgeable Cmpnds			0.5	0.0	0.0	0.0
Purgeable Compounds		UG/L	8.8	3.8	7.8	13.5
Tatal Disklanskanska						
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.9	0.9

 $^{^{\}ast}$ This analyte was found in blanks with values >5% of the sample value. Value was not used in calculation total.

ND= Not Detected

2013
Priority Pollutants Purgeable Compounds, EPA Method 8260B

			N01-PS_INF	N01-PS_INF	N01-PS_INF	N01-PS_INF
			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Additional analytes	MDL	Units	P649626	P661103	P671101	P677650
=======================================	===	=====	========	========	========	========
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	967	1190	1680	1260
Carbon disulfide	.6	UG/L	DNQ 0.9	1.5	2.5	3.1
2-Butanone	6.3	UG/L	ND	ND	DNQ 7.3	ND
Methyl tert-butyl ether	.4	UG/L	ND	ND	ND	ND

ND= Not Detected

Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N01-PEN 05-FEB-2013 P649631	N01-PEN 07-MAY-2013 P661108	N01-PEN 06-AUG-2013 P671106	N01-PEN 01-OCT-2013 P677655
			========	========	========	========
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride Chloroethane	.4 .9	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
1,1-Dichloroethane	.4	UG/L	ND ND	ND ND	ND ND	ND ND
Trichlorofluoromethane	.3	UG/L	ND ND	ND ND	ND ND	ND ND
Methylene chloride	.3	UG/L	ND	ND	DNQ 0.7	1.1
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	1.5	2.1	1.7	2.0
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	ND	ND	ND	ND
1,2-Dichloropropane	.3	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 .7	UG/L	ND	ND ND	ND	ND
Trichloroethene Benzene	.4	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
Dibromochloromethane	.6	UG/L	ND ND	ND ND	ND ND	ND ND
1,1,2-Trichloroethane	.5	UG/L	ND ND	ND ND	ND ND	ND ND
cis-1,3-dichloropropene	.3	UG/L	ND ND	ND ND	ND	ND ND
2-Chloroethylvinyl ether		UG/L	ND	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	DNQ 0.5	ND	ND
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein		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 Dichlorodifluoromethane	.5	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
=======================================			ND =========	ND =========	ND	ND
Halomethane Purgeable Cmpnds			0.0	0.0	0.0	0.0
Purgeable Compounds		UG/L	1.5	2.6	2.4	3.1
	===	=====	=======	=======	========	========
Total Dichlorobenzenes	.5	UG/L	0.0	0.0	0.0	0.0
Additional analytes determin						
Allyl chloride		===== UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone		UG/L	ND ND	ND ND	ND ND	ND ND
meta,para xylenes	.6	UG/L	ND ND	ND ND	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		UG/L	ND	ND	ND	ND
ortho-xylene		UG/L	ND	ND	ND	ND 400
Acetone Carbon disulfide		UG/L	305 DNQ 0.7	240 1.0	386 1.3	490 2.3
2-Butanone		UG/L UG/L	DNQ 7.7	DNQ 7.4	ND	ND
Methyl tert-butyl ether		UG/L	ND ND	ND ND	ND ND	ND ND
yı cer e bacyı cener	• -	30/ L	140	140	ND	ND

ND= Not Detected

Priority Pollutants Purgeable Compounds, EPA Method 8260B

Analyte	MDL	Units	N10-EFF 05-FEB-2013 P649636	N10-EFF 07-MAY-2013 P661113	N10-EFF 06-AUG-2013 P671111	N10-EFF 01-OCT-2013 P677660
			========	========	========	========
Chloromethane	.5	UG/L	ND	ND	ND	ND
Bromomethane	.7	UG/L	ND	ND	ND	ND
Vinyl chloride Chloroethane	.4 .9	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
1,1-Dichloroethane	.4	UG/L	ND ND	ND ND	ND ND	ND ND
Trichlorofluoromethane	.3	UG/L	ND ND	ND ND	ND ND	ND ND
Methylene chloride	.3	UG/L	ND	ND	DNQ0.9	5.0
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	2.2	3.0	1.6	2.1
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	DNQ0.8	DNQ0.8	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 Dibromochloromethane	.4 .6	UG/L UG/L	ND ND	ND ND	ND ND	ND ND
1,1,2-Trichloroethane	.5	UG/L	ND ND	ND ND	ND ND	ND ND
cis-1,3-dichloropropene	.3	UG/L	ND ND	ND ND	ND ND	ND ND
2-Chloroethylvinyl ether		UG/L	ND	ND ND	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		UG/L	ND	ND	ND	ND
Chlorobenzene	.4	UG/L	ND	ND	ND	ND
Toluene	.4	UG/L	7.8	3.6	8.2	12.0
Ethylbenzene	.3	UG/L	ND	ND	ND	ND
Acrylonitrile	.7	UG/L	ND	ND	ND	ND
Acrolein		UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	ND	DNQ0.8	1.3	DNQ0.8
1,3-Dichlorobenzene	.5		ND	ND	ND	ND
Dichlorodifluoromethane		UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds			0.8	0.8	0.0	0.0
Purgeable Compounds		UG/L	10.8	7.4	10.7	19.1
=======================================			========	========	========	=========
Total Dichlorobenzenes	.5	UG/L	0.0	0.8	1.3	0.8
Additional analytes determin						
======================================		===== UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone		UG/L	ND ND	ND ND	ND ND	ND ND
meta,para xylenes	.6	UG/L	ND ND	ND ND	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		UG/L	ND	ND	ND	ND
Benzyl chloride		UG/L	ND	ND	ND	ND
ortho-xylene		UG/L	ND	ND	ND	ND
Acetone		UG/L	771	352	396	975
Carbon disulfide		UG/L	1.4	1.5	2.3	3.4
2-Butanone Methyl tert-butyl ether		UG/L	12.0	13.6	11.1 ND	ND ND
methyr tent-butyr ether	.4	UG/L	ND	ND	טא	ND

ND= Not Detected, NA= not analyzed, NS= not sampled

Priority Pollutants Purgeable Compounds, EPA Method 8260B

			05-FEB-2013	N34-REC WATER 07-MAY-2013	06-AUG-2013	01-0CT-2013
Analyte		Units	P649641	P661118	P671116	P677665
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	ND	ND	ND	ND
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	22.3	39.0	49.3	42.0
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	31.1	39.5	42.9	36.3
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	29.3	25.6	26.1	23.1
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		UG/L	ND	ND	ND	ND
Bromoform	.5	UG/L	5.2	3.2	2.5	2.7
1,1,2,2-Tetrachloroethane	.5	UG/L	ND	ND	ND	ND
Tetrachloroethene		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		UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4	UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4	UG/L	0.47*	ND	ND	ND
1,3-Dichlorobenzene	.5	UG/L	ND	ND	ND	ND
Dichlorodifluoromethane		UG/L	ND	ND	ND	ND =====
Halomethane Purgeable Cmpnds			65.6	68.3	71.5	62.1
Purgeable Compounds		UG/L	87.9	107.3	120.8	104.1
=======================================			========	========	========	=========
Total Dichlorobenzenes	.5		0.0	0.0	0.0	0.0

 $[\]ast$ This analyte was found in blanks with values >5% of the sample value. Value was not used in calculation total.

ND= Not Detected, NA= not analyzed, NS= not sampled DNQ= Detected but not quantified. Sample results were less than Minimum Level (ML), but greater than or equal to the MDL

Priority Pollutants Purgeable Compounds, EPA Method 8260B

			N34-REC WATER	N34-REC WATER	N34-REC WATER	N34-REC WATER
			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-0CT-2013
Additional analytes	MDL	Units	P649641	P661118	P671116	P677665
=======================================	===	=====	========	========	========	========
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	ND	ND	ND	ND
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 DNQ= Detected but not quantified. Sample results were less than Minimum Level (ML), but greater than or equal to the MDL