Sunnyside Cogeneration Associates Facility

Groundwater Sampling of MW-8
Year 2012-2013

	Field Parameters			Metals(mg/l)							
Sample Date	Temp. (C)	pH (S.U.)	SC (umhos)	Arsenic	Barium	Cadmium	Copper	Lead	Selenium	Silver	Zinc
January 31, 2012	11.5	7.4	8812	0.0094	0.017	ND	ND	ND	0.0949	ND	ND
February 21, 2012	11.3	7.67	8675	0.0076	0.012	ND	ND	ND	0.0777	ND	ND
April 9, 2012	11.8	7.4	9219	0.0075	0.013	ND	ND	ND	0.0551	ND	ND
May 31, 2012	12.4	7.49	9060	0.006	0.011	ND	ND	ND	0.0452	ND	ND
June 25, 2012	13.1	7.46	9545	0.0066	0.01	ND	ND	ND	0.0525	ND	ND
July 25, 2012	12.8	7.26	8675	0.0087	0.009	ND	ND	ND	0.0664	ND	ND
August 30, 2012	12.6	7.17	9290	0.01	0.011	ND	ND	ND	0.0531	ND	ND
October 25, 2012	11	7.31	9433	0.0081	0.011	ND	ND	ND	0.0357	ND	ND
December 5, 2012	12.6	7.22	9466	0.0143	0.012	ND	ND	ND	0.0573	ND	ND
January 29, 2013	11.8	7.26	8983	0.0079	0.01	ND	ND	ND	0.0351	ND	ND
Average	12.09	7.36	9116	0.0086	0.012	ND	ND	ND	0.0573	ND	ND
Standard Deviation	0.67	0.14	308	0.0022	0.0021	ND	ND	ND	0.0175	ND	ND

	Inorganics		Cations(mg/l)					Anions(mg/l)				
Sample Date	TDS (mg/l)	pH (S.U.)	Calcium	Hardness CaCO3	Sodium	Potassium	Magnesium	Chloride	Sulfate	Bicarbonate HCO3	Carbonate CO3	Alkalinity Total
January 31, 2012	9880	7.1	407	4380	1360	20	817	240	5800	484	ND	397
February 21, 2012	10000	7.2	396	4180	1250	18	776	240	5800	488	ND	401
April 9, 2012	9950	7.1	378	4200	1390	18.9	792	220	6000	490	ND	402
May 31, 2012	10200	7.2	403	3680	1360	18.3	808	233	6000	491	ND	403
June 25, 2012	10300	7.2	384	4100	1390	18.8	763	242	6300	491	ND	403
July 25, 2012	9830	7.1	408	3750	1230	16.9	748	240	2020	491	ND	403
August 30, 2012	10800	7.2	377	4100	1480	19.7	766	281	6000	499	ND	409
October 25, 2012	10200	7.2	372	4080	1610	18.2	765	230	6300	503	ND	412
December 5, 2012	10600	7.2	383	4220	1480	19.2	792	230	6200	491	ND	403
January 29, 2013	10800	7.1	364	3990	1370	18.4	748	232	6200	490	ND	402
Average	10256	7.16	387	4068	1392	18.64	778	239	5662	492	ND	404
Standard Deviation	346.5	0.05	14.6	202.6	105.8	0.848	22.7	15.4	1226	5.1	ND	3.96

A "<" sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this limit. were not quantifiable. These results should be considered non-detect.
ND=NoN-Detect