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Date: 9/23/2013 11:42 AM
Subject: Bethpage GM-38 June 2013 Validated Analytical Results - Radiochemistry
Attachments: Bethpage GM38 Radiochem AnalyRes_BWD Split Samples_June13_validated.xlsx

Mike,
Attached are the validated analytical results for the radiochemistry samples collected at GM-38 in June 2013.
Let me know if you have any questions,
Thank-you,

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Summary of Radiochemistry Analytical Results
Sample Locations Split with BWD
June 2013
NWIRP Bethpage GM-38 Area
Bethpage, NY

Sample Location ID	Sample ID	Sample Date	Gross Alpha (pCi/L)			Gross Beta (pCi/L)			Radium 226 (pCi/L)			Radium 228 (pCi/L)			Uranium (ug/L)		
			Result	Uncertainty (+/-)	MDC	Result	Uncertainty (+/-)	MDC	Result	Uncertainty (+/-)	MDC	Result	Uncertainty (+/-)	MDC	Result	Uncertainty (+/-)	MDC
Monitoring Wells - Quarterly LTM																	
RW1-MW1	NWIRP-Bethpage-GM-38-GW-RW1-MW1-061913	6/19/2013	5.94	3.05	3.03	4.11	2.65	3.94	2.43	0.500	0.305	0.0924 U	0.784	1.26	0.116 U	0.017	0.247
RW1-MW3	NWIRP-Bethpage-GM-38-GW-RW1-MW3-061913	6/19/2013	1.64 U	2.31	3.92	3.14 U	2.98	4.88	1.07	0.347	0.354	1.79	0.873	1.21	0.00 U	0.00	0.247
RW2-MW1	NWIRP-Bethpage-GM-38-GW-RW2-MW1-061713	6/17/2013	9.63	4.04	3.97	8.52	3.52	4.88	3.99	0.637	0.391	2.81	0.886	0.997	0.00 U	0.00	0.247
RW3-MW1	NWIRP-Bethpage-GM-38-GW-RW3-MW1-062013	6/20/2013	0.520 U	1.44	2.90	5.62	2.64	3.60	1.11	0.350	0.353	0.957 U	0.813	1.30	0.0701 U	0.00975	0.247
RW3-MW1 - Field Duplicate	NWIRP-Bethpage-GM-38-GW-DUP01-062013	6/20/2013	0.202 U	1.55	3.45	-0.117 U	1.69	3.35	1.02	0.369	0.403	1.35	0.846	1.26	0.0124 U	0.00307	0.247
RW3-MW2	NWIRP-Bethpage-GM-38-GW-RW3-MW2-062013	6/20/2013	0.256 U	1.45	3.17	0.953 U	1.97	3.52	0.772	0.309	0.357	0.539 U	0.683	1.16	0.0151 U	0.00397	0.247
RW3-MW3	NWIRP-Bethpage-GM-38-GW-RW3-MW3-062113	6/21/2013	5.00	3.05	3.47	5.95	3.32	5.00	1.40	0.449	0.430	1.58	0.784	1.05	0.00 U	0.00	0.247
RW3-MW4	NWIRP-Bethpage-GM-38-GW-RW3-MW4-062113	6/21/2013	11.0	4.35	2.91	8.70	3.41	4.61	2.17	0.483	0.385	2.81	1.31	1.93	0.131 U	0.0181	0.247
Equipment/Rinsate Blank	NWIRP-Bethpage-GM-38-GW-FB01-062113	6/21/2013	-0.351 U	0.941	2.85	0.830 U	2.93	5.23	0.101 U	0.222	0.408	1.10 U	1.01	1.66	0.00 U	0.00	0.247

Notes:

LTM = long-term monitoring

MDC = minimum detectable concentration

ug/L = micrograms per liter

pCi/L = picoCurie per liter

U = Analyte not detected above associated MDC, MDL, MDA, or LOD.

Gross Alpha analyzed by EPA 900.0/SW846 9310 with a reporting limit (RL) of 5.00 pCi/L.

Gross Beta analyzed by EPA 900.0/SW846 9310 with a RL of 5.00 pCi/L.

Radium 226 analyzed by EPA 903.1 Modified with a RL of 1.00 pCi/L.

Radium 228 analyzed by EPA 904.0/SW846 9320 Modified with a RL of 3.00 pCi/L.

Uranium analyzed by ASTM D 5174 with a RL of 1.00 ug/L.

Bold highlight indicates detected compound.

Uncertainty is calculated at the 95% confidence interval.