## Steven Scharf - Preliminary Ground Water Results Split with BWD

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**Subject:** Preliminary Ground Water Results Split with BWD
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**Gentlemen**

Below please find ***preliminary*** lab results for groundwater monitoring well samples collected by Northrop Grumman and split with the Bethpage Water District on June 4 and 5, 2013. The final quality control report is expected to be available late next week. We will submit the report, when it becomes available. Also, quality control is being performed on samples that were analyzed for a broader range of constituents (including Nassau County Department of Health Water Quality Monitoring parameters, 1,4 – dioxane, chromium's). We expect to have those results ready for submission next week, as well.

Let me know if you have any questions or require any additional information.

Thank You
Ed Hannon

**"Preliminary Split Sampling Lab Results"**

| Well ID | Parameter | Method | Act ± Unc (MDC)[1] | Units[2] |
|---|---|---|---|---|
| MW-116-5 | Gross Alpha | EPA 900.0m | 3.12 ± 1.56 (2.10) | pCi/L |
| | Gross Beta | EPA 900.0m | 2.54 ± 1.33 (2.24) | pCi/L |
| | Radium-226 | EPA 903.1 | 1.06 ± 0.709 (0.879) | pCi/L |
| | Radium-228 | EPA 904.0 | 0.421 ± 0.394 (0.805) | pCi/L |
| | Total Uranium | ASTM D5174.97 | 0.0447 ± 0.0011 (0.197) | ug/L |
| GM-37D2 | Gross Alpha | EPA 900.0m | 3.04 ± 1.48 (1.58) | pCi/L |
| | Gross Beta | EPA 900.0m | 2.37 ± 1.30 (2.22) | pCi/L |
| | Radium-226 | EPA 903.1 | 1.00 ± 0.634 (0.716) | pCi/L |
| | Radium-228 | EPA 904.0 | 0.963 ± 0.412 (0.662) | pCi/L |
| | Total Uranium | ASTM D5174.97 | 0.0452 ± 0.0009 (0.197) | ug/L |
| GM-71D2 | Gross Alpha | EPA 900.0m | 5.43 ± 2.15 (1.89) | pCi/L |
| | Gross Beta | EPA 900.0m | 2.89 ± 1.44 (2.34) | pCi/L |
| | Radium-226 | EPA 903.1 | 2.28 ± 1.01 (0.729) | pCi/L |
| | Radium-228 | EPA 904.0 | 1.14 ± 0.511 (0.897) | pCi/L |
| | Total Uranium | ASTM D5174.97 | 0.134 ± 0.0023 (0.197) | ug/L |

Note 1:
Act = Activity
Unc = Uncertainty
(MDC) = Minimum Detectable Concentration

Note 2:
pCi/L = picocuries/Liter
ug/L = micrograms/Liter