# NAREL AirBeta Batch Analysis

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|---|---|
| NAREL assay batch: | 0017392T |
| G5000 batch: | 0017392T-20130911143027 |
| Instrument: | PR01 |
| Operator: | Siddiqui, Nina S. |
| Background: | 2013-09-11 05:59 CDT 100.00 min |
| Alpha: | 21 count(s) 0.21 cpm Within target range |
| Beta: | 506 count(s) 5.06 cpm Within target range |
| Efficiencies: | Alpha 0.3088(93) Beta 0.453(14) |
| Efficiency check: | 2013-09-11 05:48 CDT 10.00 min |
| Alpha: | Within target range |
| Beta: | Within target range |
| Data file: | 0017392T-20130911143027.air |

Veri
9/12/13

| Pos | Sample ID | Size | Unit | Fraction | |
|---|---|---|---|---|---|
| 1 | B3.09342N | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 2 | B3.09343P | $4.30(21) \times 10^3$ | $M^3$ | 1 | |
| 3 | B3.09344Q | $5.73(29) \times 10^3$ | $M^3$ | 1 | |
| 4 | B3.09345R | $4.24(21) \times 10^3$ | $M^3$ | 1 | |
| 5 | B3.09346T | $9.93(50) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 6 | B3.09347U | $1.010(51) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 7 | B3.09348V | $5.68(28) \times 10^3$ | $M^3$ | 1 | |
| 8 | B3.09349W | $3.07(15) \times 10^3$ | $M^3$ | 1 | |
| 9 | B3.09350N | $7.18(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 10 | B3.09351P | $5.50(27) \times 10^3$ | $M^3$ | 1 | |
| 11 | B3.09352Q | $4.26(21) \times 10^3$ | $M^3$ | 1 | |
| 12 | B3.09353R | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 13 | B3.09354T | $2.84(14) \times 10^3$ | $M^3$ | 1 | |
| 14 | B3.09355U | $2.83(14) \times 10^3$ | $M^3$ | 1 | |
| 15 | B3.09356V | $1.005(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 16 | B3.09357W | $7.16(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 17 | B3.09358X | $1.004(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 18 | B3.09359Y | $1.004(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 19 | B3.09360Q | $4.25(21) \times 10^3$ | $M^3$ | 1 | |
| 20 | B3.09361R | $4.25(21) \times 10^3$ | $M^3$ | 1 | |
| 21 | B3.09362T | $4.16(21) \times 10^3$ | $M^3$ | 1 | |
| 22 | B3.09363U | $5.66(28) \times 10^3$ | $M^3$ | 1 | |
| 23 | B3.09364V | $8.55(43) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 24 | B3.09365W | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 25 | B3.09366X | $5.63(28) \times 10^3$ | $M^3$ | 1 | |
| 26 | B3.09367Y | $1.001(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 27 | B3.09368Z | $4.26(21) \times 10^3$ | $M^3$ | 1 | |
| 28 | B3.09369A | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 29 | B3.09370T | $7.19(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 30 | B3.09371U | $4.42(22) \times 10^3$ | $M^3$ | 1 | |
| 31 | B3.09372V | $3.62(18) \times 10^3$ | $M^3$ | 1 | |
| 32 | B3.09373W | $2.69(13) \times 10^3$ | $M^3$ | 1 | |
| 33 | B3.09374X | $1.149(57) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 34 | B3.09375Y | $5.75(29) \times 10^3$ | $M^3$ | 1 | |
| 35 | B3.09376Z | $8.49(42) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 36 | B3.09377A | $1.130(57) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 37 | B3.09378B | $2.76(14) \times 10^3$ | $M^3$ | 1 | |
| 38 | B3.09379C | $2.74(14) \times 10^3$ | $M^3$ | 1 | |
| 39 | B3.09380V | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 40 | B3.09381W | $2.80(14) \times 10^3$ | $M^3$ | 1 | |

| | | | | | |
|---|---|---|---|---|---|
| 1 | B3.09342N | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 2 | B3.09343P | $4.30(21) \times 10^3$ | $M^3$ | 1 | |
| 3 | B3.09344Q | $5.73(29) \times 10^3$ | $M^3$ | 1 | |
| 4 | B3.09345R | $4.24(21) \times 10^3$ | $M^3$ | 1 | |
| 5 | B3.09346T | $9.93(50) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 6 | B3.09347U | $1.010(51) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 7 | B3.09348V | $5.68(28) \times 10^3$ | $M^3$ | 1 | |
| 8 | B3.09349W | $3.07(15) \times 10^3$ | $M^3$ | 1 | |
| 9 | B3.09350N | $7.18(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 10 | B3.09351P | $5.50(27) \times 10^3$ | $M^3$ | 1 | |
| 11 | B3.09352Q | $4.26(21) \times 10^3$ | $M^3$ | 1 | |
| 12 | B3.09353R | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 13 | B3.09354T | $2.84(14) \times 10^3$ | $M^3$ | 1 | |
| 14 | B3.09355U | $2.83(14) \times 10^3$ | $M^3$ | 1 | |
| 15 | B3.09356V | $1.005(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 16 | B3.09357W | $7.16(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 17 | B3.09358X | $1.004(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 18 | B3.09359Y | $1.004(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 19 | B3.09360Q | $4.25(21) \times 10^3$ | $M^3$ | 1 | |
| 20 | B3.09361R | $4.25(21) \times 10^3$ | $M^3$ | 1 | |
| 21 | B3.09362T | $4.16(21) \times 10^3$ | $M^3$ | 1 | |
| 22 | B3.09363U | $5.66(28) \times 10^3$ | $M^3$ | 1 | |
| 23 | B3.09364V | $8.55(43) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 24 | B3.09365W | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 25 | B3.09366X | $5.63(28) \times 10^3$ | $M^3$ | 1 | |
| 26 | B3.09367Y | $1.001(50) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 27 | B3.09368Z | $4.26(21) \times 10^3$ | $M^3$ | 1 | |
| 28 | B3.09369A | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 29 | B3.09370T | $7.19(36) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 30 | B3.09371U | $4.42(22) \times 10^3$ | $M^3$ | 1 | |
| 31 | B3.09372V | $3.62(18) \times 10^3$ | $M^3$ | 1 | |
| 32 | B3.09373W | $2.69(13) \times 10^3$ | $M^3$ | 1 | |
| 33 | B3.09374X | $1.149(57) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 34 | B3.09375Y | $5.75(29) \times 10^3$ | $M^3$ | 1 | |
| 35 | B3.09376Z | $8.49(42) \times 10^3$ | $M^3$ | 1 | **> 5 d of sampling** |
| 36 | B3.09377A | $1.130(57) \times 10^4$ | $M^3$ | 1 | **> 5 d of sampling** |
| 37 | B3.09378B | $2.76(14) \times 10^3$ | $M^3$ | 1 | |
| 38 | B3.09379C | $2.74(14) \times 10^3$ | $M^3$ | 1 | |
| 39 | B3.09380V | $2.86(14) \times 10^3$ | $M^3$ | 1 | |
| 40 | B3.09381W | $2.80(14) \times 10^3$ | $M^3$ | 1 | |
| 41 | RBK | 1 | SAMP | 1 | |
| 42 | RBK | 1 | SAMP | 1 | |

| Counted | min | Pos | Analysis | Sample ID | QC | α/β | Count | Net cpm | Result | Unit | Q | Warn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2013-09-11 14:32 | 20.0 | 9 | 00673966P | B3.09350N | | α | 9 | 0.24 | $4.9(34) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 466 | 18.24 | $2.53(21) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 14:53 | 20.0 | 29 | 00674008D | B3.09370T | | α | 17 | 0.64 | $1.30(45) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1624 | 76.14 | $1.054(68) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 15:13 | 20.0 | 1 | 00673951G | B3.09342N | | α | 9 | 0.24 | $1.23(85) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 447 | 17.29 | $6.03(52) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 15:34 | 20.0 | 2 | 00673953J | B3.09343P | | α | 6 | 0.09 | $3.1(48) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 300 | 9.94 | $2.30(25) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 15:55 | 20.0 | 3 | 00673955L | B3.09344Q | | α | 16 | 0.59 | $1.50(55) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1402 | 65.04 | $1.130(74) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 16:15 | 20.0 | 4 | 00673957N | B3.09345R | | α | 4 | –0.01 | $-3(42) \times 10^{-6}$ | PCI/M$^3$ | D | |
| | | | | | | β | 412 | 15.54 | $3.65(33) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 16:36 | 20.0 | 5 | 00673959Q | B3.09346T | | α | 22 | 0.89 | $1.31(37) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 3095 | 149.69 | $1.501(92) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 16:56 | 20.0 | 6 | 00673961J | B3.09347U | | α | 46 | 2.09 | $3.02(53) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 3141 | 151.99 | $1.498(92) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 17:17 | 20.0 | 7 | 00673962K | B3.09348V | | α | 12 | 0.39 | $1.00(48) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1643 | 77.09 | $1.352(87) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 17:38 | 20.0 | 8 | 00673964M | B3.09349W | | α | 13 | 0.44 | $2.09(92) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 307 | 10.29 | $3.34(36) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 17:58 | 20.0 | 9 | 00674088W | B3.09350N | DUP | α | 8 | 0.19 | $3.9(32) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 430 | 16.44 | $2.28(20) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 18:19 | 20.0 | 41 | 00674089X | | RBK | α | 1 | –0.16 | $-2.3(12) \times 10^{-1}$ | PCI/SAMP | D | |
| | | | | | | β | 121 | 0.99 | $9.9(63) \times 10^{-1}$ | PCI/SAMP | | |
| 2013-09-11 18:39 | 20.0 | 10 | 00673968R | B3.09351P | | α | 8 | 0.19 | $5.0(42) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 952 | 42.54 | $7.70(53) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 19:00 | 20.0 | 11 | 00673970K | B3.09352Q | | α | 14 | 0.49 | $1.68(69) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 952 | 42.54 | $9.94(69) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 19:21 | 20.0 | 12 | 00673972M | B3.09353R | | α | 3 | –0.06 | $-3.1(56) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 288 | 9.34 | $3.25(37) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 19:41 | 20.0 | 13 | 00673974P | B3.09354T | | α | 4 | –0.01 | $-5(62) \times 10^{-6}$ | PCI/M$^3$ | D | |
| | | | | | | β | 273 | 8.59 | $3.01(36) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 20:02 | 20.0 | 14 | 00673976R | B3.09355U | | α | 14 | 0.49 | $2.5(10) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 846 | 37.24 | $1.308(92) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 20:22 | 20.0 | 15 | 00673978U | B3.09356V | | α | 48 | 2.19 | $3.18(55) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 2834 | 136.64 | $1.354(83) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 20:43 | 20.0 | 16 | 00673980M | B3.09357W | | α | 25 | 1.04 | $2.12(54) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1254 | 57.64 | $8.01(53) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 21:04 | 20.0 | 17 | 00673982P | B3.09358X | | α | 34 | 1.49 | $2.16(45) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 3102 | 150.04 | $1.488(91) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 21:24 | 20.0 | 18 | 00673984R | B3.09359Y | | α | 31 | 1.34 | $1.95(43) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 2972 | 143.54 | $1.423(87) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 21:45 | 20.0 | 19 | 00673986U | B3.09360Q | | α | 7 | 0.14 | $4.8(51) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 609 | 25.39 | $5.94(46) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 22:05 | 20.0 | 20 | 00673988W | B3.09361R | | α | 18 | 0.69 | $2.37(78) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1106 | 50.24 | $1.178(79) \times 10^{-2}$ | PCI/M$^3$ | | |
| 2013-09-11 22:26 | 20.0 | 42 | 00674091Q | | RBK | α | 5 | 0.04 | $6(19) \times 10^{-2}$ | PCI/SAMP | D | |
| | | | | | | β | 125 | 1.19 | 1.18(64) | PCI/SAMP | | |
| 2013-09-11 22:47 | 20.0 | 21 | 00673990P | B3.09362T | | α | 8 | 0.19 | $6.7(55) \times 10^{-5}$ | PCI/M$^3$ | D | |
| | | | | | | β | 490 | 19.44 | $4.65(39) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 23:07 | 20.0 | 22 | 00673992R | B3.09363U | | α | 22 | 0.89 | $2.29(64) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1230 | 56.44 | $9.92(66) \times 10^{-3}$ | PCI/M$^3$ | | |
| 2013-09-11 23:28 | 20.0 | 23 | 00673994U | B3.09364V | | α | 23 | 0.94 | $1.60(44) \times 10^{-4}$ | PCI/M$^3$ | D | |
| | | | | | | β | 1706 | 80.24 | $9.34(60) \times 10^{-3}$ | PCI/M$^3$ | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 2013-09-11 23:49 | 20.0 | 24 | 00673998Y | B3.09365W | | α | 7 | 0.14 | $7.1(76) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 377 | 13.79 | $4.79(45) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 00:09 | 20.0 | 25 | 00674000V | B3.09366X | | α | 14 | 0.49 | $1.27(52) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1402 | 65.04 | $1.149(75) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 00:30 | 20.0 | 26 | 00674002X | B3.09367Y | | α | 16 | 0.59 | $8.6(31) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1335 | 61.69 | $6.14(40) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 00:51 | 20.0 | 27 | 00674004Z | B3.09368Z | | α | 21 | 0.84 | $2.88(84) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1477 | 68.79 | $1.61(10) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 01:11 | 20.0 | 28 | 00674006B | B3.09369A | | α | 10 | 0.29 | $1.48(88) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 741 | 31.99 | $1.115(81) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 01:32 | 20.0 | 29 | 00674090P | B3.09370T | DUP | α | 13 | 0.44 | $8.9(39) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1688 | 79.34 | $1.098(70) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 01:52 | 20.0 | 30 | 00674010X | B3.09371U | | α | 15 | 0.54 | $1.78(69) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 720 | 30.94 | $6.96(51) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 02:13 | 20.0 | 31 | 00674012Z | B3.09372V | | α | 11 | 0.34 | $1.37(73) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 805 | 35.19 | $9.67(69) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 02:34 | 20.0 | 32 | 00674026F | B3.09373W | | α | 12 | 0.39 | $2.1(10) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 366 | 13.24 | $4.90(47) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 02:54 | 20.0 | 33 | 00674027G | B3.09374X | | α | 39 | 1.74 | $2.21(43) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 2622 | 126.04 | $1.092(67) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 03:15 | 20.0 | 34 | 00674029J | B3.09375Y | | α | 21 | 0.84 | $2.13(62) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1829 | 86.39 | $1.496(95) \times 10^{-2}$ | PCI/M$^3$ | |
| 2013-09-12 03:36 | 20.0 | 35 | 00674031C | B3.09376Z | | α | 11 | 0.34 | $5.8(31) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1276 | 58.74 | $6.89(45) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 03:56 | 20.0 | 36 | 00674033E | B3.09377A | | α | 19 | 0.74 | $9.6(30) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 1409 | 65.39 | $5.76(38) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 04:17 | 20.0 | 37 | 00674034F | B3.09378B | | α | 5 | 0.04 | $2.1(69) \times 10^{-5}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 495 | 19.69 | $7.09(59) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 04:37 | 20.0 | 38 | 00674035G | B3.09379C | | α | 8 | 0.19 | $1.01(84) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 256 | 7.74 | $2.81(35) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 04:58 | 20.0 | 39 | 00674036H | B3.09380V | | α | 14 | 0.49 | $2.5(10) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 522 | 21.04 | $7.32(59) \times 10^{-3}$ | PCI/M$^3$ | |
| 2013-09-12 05:19 | 20.0 | 40 | 00674037J | B3.09381W | | α | 14 | 0.49 | $2.5(10) \times 10^{-4}$ | PCI/M$^3$ | **D** |
| | | | | | | β | 423 | 16.09 | $5.71(51) \times 10^{-3}$ | PCI/M$^3$ | |

Reviewed by: _____ Date: 9 / 12 / 2013

# National Air and Radiation Environmental Laboratory
## QC Batch Report

QC Batch #: 0010329V Analytical Method: AIRBETA

### METHOD BLANKS (PCI)

| Sample ID | Nuclide | Activity ± 2σ | Prep Date | Flags |
|---|---|---|---|---|
| 00674091Q | BETA | 1.18e+00 ± 1.3e+00 | 2013-09-11 | OK |

### LABORATORY DUPLICATES (PCI/M3)

| Sample ID | Nuclide | Original ± 2σ | Duplicate ± 2σ | RPD | Z |
|---|---|---|---|---|---|
| B3.09370T | BETA | 1.05e-02 ± 1.4e-03 | 1.10e-02 ± 1.4e-03 | 4.12 | 0.45 OK |

Analyst: _____ 9/12/13

QA Officer: Kevin J. McGuire 9/12/13

# National Air and Radiation Environmental Laboratory
## QC Batch Report

QC Batch #: 0010328U Analytical Method: AIRBETA

### METHOD BLANKS (PCI)

| Sample ID | Nuclide | Activity ± 2σ | Prep Date | Flags |
|---|---|---|---|---|
| 00674089X | BETA | 9.86e-01 ± 1.3e+00 | 2013-09-11 | OK |

### LABORATORY DUPLICATES (PCI/M3)

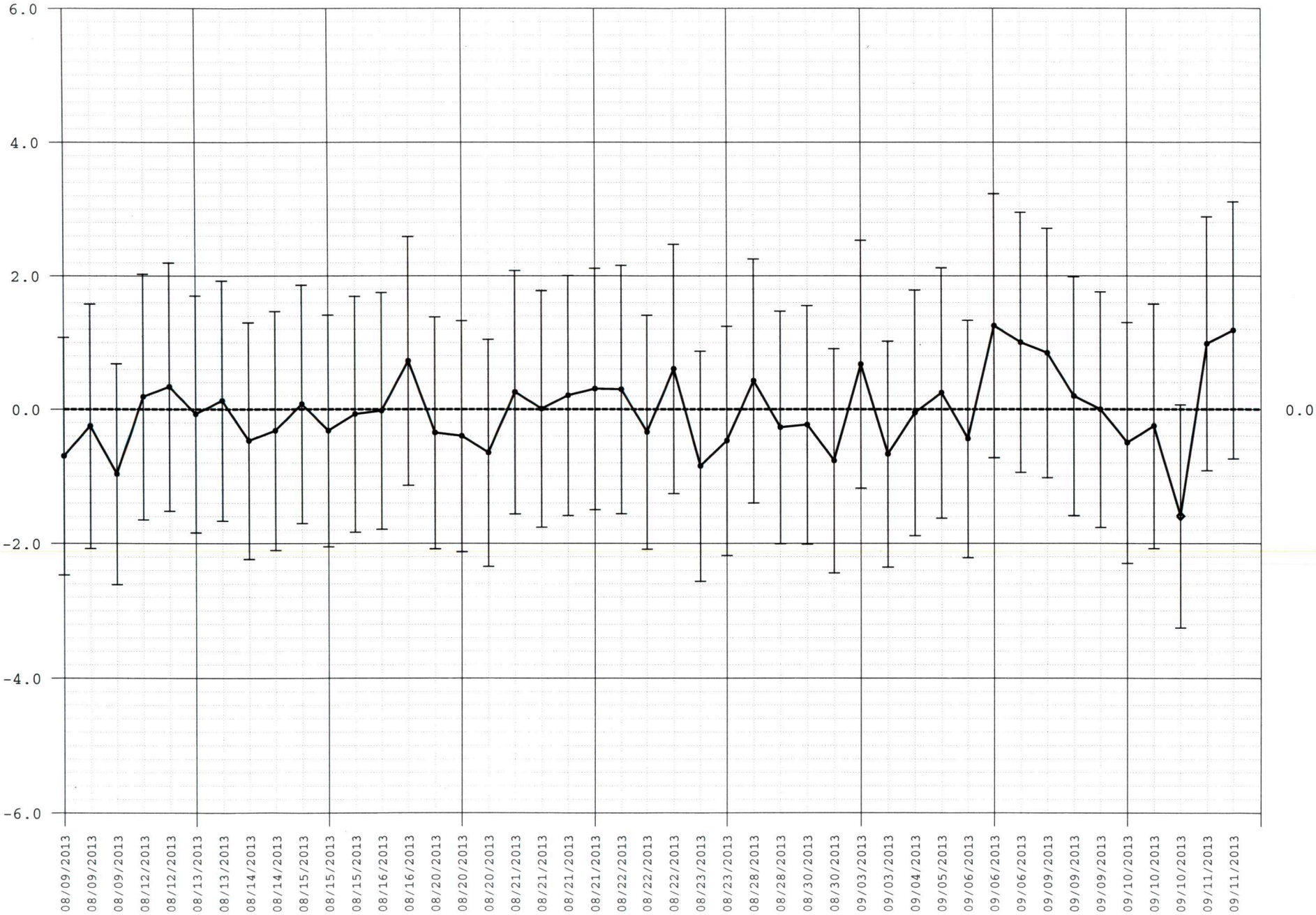
| Sample ID | Nuclide | Original ± 2σ | Duplicate ± 2σ | RPD | Z |
|---|---|---|---|---|---|
| B3.09350N | BETA | 2.53e-03 ± 4.3e-04 | 2.28e-03 ± 4.0e-04 | 10.38 | -0.85 OK |

Analyst: _____ 9/12/13

QA Officer: Kurt J. McKee 9/12/13

Method Blanks

Analyte: BETA

Method: AIRBETA

Analyst: Siddiqui, Nina S.