NYC 9/11 Public Portal Document

# US Department of Labor/OSHA WTC Air Sampling Activity

## All sampling data with severity >0 excluding all blanks (Including Area and Personal Samples only)

From 4/15/2002 To 4/21/2002 ; sorted by severity

| Date Sampled | LAB # | Sample Submission # | ANALYTE DESCRIPTION | Type | Area | Location | TASK/ OPERATION | Description | TIME | UOM | RESULT | TWA | SEVERITY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/02 | P19210 | W8929 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHEAST | TULLY | Cement Chipping WTC 6 | | 497 | % | 18 | 3.4 | 6.8670849 |
| 4/21/02 | D15565 | W8927 | Silica, Crystalline Quartz, Respirable Dust | A | OTHER | WTC | Area Sample | Filled w/ water | 486 | % | 8.7 | 1.3 | 1.3597263 |
| 4/21/02 | D15568 | W8906 | Silica, Crystalline Quartz, Respirable Dust | A | OTHER | WTC | Area Sample | Pier 26-So. | 490 | % | 10 | 0.67 | 0.8071326 |
| 4/21/02 | D15564 | W8719 | Silica, Crystalline Quartz, Respirable Dust | A | OTHER | WTC | Area Sample | Pier 26-No. | 190 | % | 49 | 0.13 | 0.6588945 |
| 4/15/02 | P18944 | S875 | Silica, Crystalline Quartz, Respirable Dust | P | SOUTHWEST | BOVIS | | EROC, Grappler Operator,north of Liberty st, sorting area. | 452 | % | 12 | 0.34 | 0.4734513 |
| 4/20/02 | P19197 | W6332 | Silica, Crystalline Quartz, Respirable Dust | A | WEST | AMEC | | | 365 | % | 32 | 0.11 | 0.3715259 |
| 4/21/02 | P19207 | W9025 | Silica, Crystalline Quartz, Respirable Dust | A | NORTHWEST | TURNER | AREA SAMPLE | | 475 | % | 22 | 0.13 | 0.3059649 |
| 4/20/02 | P19196 | W6317 | Silica, Crystalline Quartz, Respirable Dust | P | NORTHWEST | TURNER | | | 419 | % | 22 | 0.074 | 0.1766027 |
| 4/16/02 | P18981 | W2607 | Silica, Crystalline Quartz, Respirable Dust | P | NORTHWEST | TURNER | DOCKBUILDER | Turner/Nicholson, WTC6, driller, drills concrete and removes it from B1 levels of WTC. | 440 | % | 8.6 | 0.15 | 0.1606061 |
| 4/16/02 | D15487 | 0416RC03 | Lead, Inorganic (as Pb) | P | WEST | AMEC | | | 454 | M | 0.00746 | 0.0075 | 0.1492 |
| 4/16/02 | P18977 | 0416KF02 | Sulfuric Acid | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking spreadout debris south of bldg. 6 pile. | 504 | M | 0.11 | 0.11 | 0.11 |
| 4/16/02 | P18976 | 0416KF01 | Sulfuric Acid | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking debris south of Bldg.6 pile. | 477 | M | 0.063 | 0.063 | 0.063 |
| 4/16/02 | D15488 | 0416RC04 | Copper Fume (as Cu) | P | WEST | AMEC | TORCHCUTTER | | 450 | M | 0.0055494 | 0.0055 | 0.055494 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/15/02 | P18943 | W8251 | Silica, Crystalline Quartz, Respirable Dust | P | SOUTHWEST | BOVIS | | EROC/Tully, Grappler operator, north of Liberty st, sorting area. | 457 | X | 0 | 0.24 | 0.0489606 |
| 4/20/02 | D15571 | W8930 | Silica, Crystalline Quartz, Respirable Dust | P | MOYNIHAN | MAUREE | | | 430 | X | 0 | 0.24 | 0.0482252 |
| 4/16/02 | D15487 | 0416RC03 | Copper Fume (as Cu) | P | WEST | AMEC | | | 454 | M | 0.003646 | 0.0036 | 0.03646 |
| 4/16/02 | D15487 | 0416RC03 | Iron Oxide Fume | P | WEST | AMEC | | | 454 | M | 0.3430459 | 0.34 | 0.0343046 |
| 4/19/02 | D15542 | 0419JS01 | Copper Fume (as Cu) | P | SOUTHEAST | TULLY | | | 430 | M | 0.0034238 | 0.0034 | 0.034238 |
| 4/16/02 | D15485 | 0416RC01 | Copper Fume (as Cu) | P | WEST | AMEC | TORCHCUTTER | | 463 | M | 0.0030238 | 0.003 | 0.030238 |
| 4/16/02 | D15485 | 0416RC01 | Iron Oxide Fume | P | WEST | AMEC | TORCHCUTTER | | 463 | M | 0.2874423 | 0.29 | 0.0287442 |
| 4/16/02 | D15486 | 0416RC02 | Iron Oxide Fume | P | WEST | AMEC | TORCHCUTTER | | 456 | M | 0.2582629 | 0.26 | 0.0258263 |
| 4/16/02 | P18979 | W2329 | Silica, Crystalline Quartz, Respirable Dust | P | NORTHWEST | TURNER | AREA SAMPLE | Turner, AREA, WTC6, | 507 | % | 0 | 0.12 | 0.0239916 |
| 4/16/02 | D15488 | 0416RC04 | Iron Oxide Fume | P | WEST | AMEC | TORCHCUTTER | | 450 | M | 0.2182828 | 0.22 | 0.0218283 |
| 4/15/02 | P18987 | W6057 | Silica, Crystalline Quartz, Respirable Dust | A | WEST | AMEC | AREA SAMPLE | AMEC, AREA, WTC5, grappler closest to pile at Bldg6 | 327 | % | 0 | 0.099 | 0.0197877 |
| 4/17/02 | P19003 | W8840 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHWEST | BOVIS | | Bovis, AREA, Upper walk, West St, above cement breaking, WTC1. | 451 | X | 0 | 0.094 | 0.0187818 |
| 4/17/02 | P19002 | W8774 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHWEST | BOVIS | | Tully, AREA, union trailers fence, overlooking machine parking area, over WTC5. | 453 | X | 0 | 0.088 | 0.0176600 |
| 4/20/02 | D15570 | W8916 | Silica, Crystalline Quartz, Respirable Dust | P | MOYNIHAN | MAUREE | | | 430 | X | 0 | 0.087 | 0.0173807 |
| 4/17/02 | P19001 | W8770 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHWEST | BOVIS | | Bovis, West Command Post, Fire. | 461 | X | 0 | 0.072 | 0.0144613 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/15/02 | P18942 | W8253 | Silica, Crystalline Quartz, Respirable Dust | P | SOUTHWEST | BOVIS | | EROC/Tully, Loader operator, north of Liberty St. | 482 | X | 0 | 0.072 | 0.0144008 |
| 4/17/02 | P19004 | W9040 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHWEST | BOVIS | | AREA, Bovis, Vesey and West St., stair into 6WTC. | 473 | X | 0 | 0.072 | 0.0143293 |
| 4/16/02 | P18980 | W7042 | Silica, Crystalline Quartz, Respirable Dust | P | NORTHWEST | TURNER | DOCKBUILDER | Turner/Nicholson, dockbuilder, drills and removes concrete from WTC6 B1 levels. | 90 | % | 0 | 0.071 | 0.014295 |
| 4/15/02 | P18985 | W6315 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHEAST | TULLY | AREA SAMPLE | Tully, AREA, maintenance area, east side of pit in manbasket. | 472 | % | 0 | 0.065 | 0.0129611 |
| 4/17/02 | P19005 | W9046 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHWEST | BOVIS | | Bovis, AREA, walkway above West St. above cement breaking. | 449 | X | 0 | 0.063 | 0.0126206 |
| 4/16/02 | D15485 | 0416RC01 | Zinc Oxide Fume | P | WEST | AMEC | TORCHCUTTER | | 463 | M | 0.0568919 | 0.057 | 0.0113784 |
| 4/15/02 | P18983 | W6043 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHEAST | TULLY | AREA SAMPLE | Tully, AREA , maintenance area eastside of pit midway between Vesey and Liberty. | 480 | % | 0 | 0.056 | 0.0111111 |
| 4/21/02 | P19211 | W8712 | Silica, Crystalline Quartz, Respirable Dust | A | NORTHWEST | TURNER | AREA SAMPLE | | 485 | X | 0 | 0.052 | 0.0104306 |
| 4/20/02 | D15572 | W8931 | Silica, Crystalline Quartz, Respirable Dust | P | MOYNIHAN | MAUREE | | | 425 | X | 0 | 0.051 | 0.0101961 |
| 4/15/02 | P18986 | W6311 | Silica, Crystalline Quartz, Respirable Dust | A | WEST | AMEC | AREA SAMPLE | AREA, WTC5, near pile bldg 1. | 467 | % | 0 | 0.049 | 0.0098249 |



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/16/02 | P18977 | 0416KF02 | Hydrogen Chloride | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking spreadout debris south of bldg. 6 pile. | 504 | P | 0.049 | 0.049 | 0.0098 |
| 4/21/02 | P19213 | W8933 | Silica, Crystalline Quartz, Respirable Dust | A | NORTHWEST | TURNER | AREA SAMPLE | | 514 | X | 0 | 0.034 | 0.0068666 |
| 4/21/02 | D15567 | W8715 | Silica, Crystalline Quartz, Respirable Dust | A | OTHER | WTC | | | 467 | X | 0 | 0.032 | 0.0063920 |
| 4/15/02 | P18984 | W6035 | Silica, Crystalline Quartz, Respirable Dust | A | SOUTHEAST | TULLY | AREA SAMPLE | Tully, AREA, maintenance area so of pump A east side of pit. | 475 | % | 0 | 0.03 | 0.0060819 |
| 4/20/02 | D15573 | W8711 | Silica, Crystalline Quartz, Respirable Dust | A | MOYNIHAN | MAUREE | | | 425 | X | 0 | 0.021 | 0.0042105 |
| 4/16/02 | P18977 | 0416KF02 | Nitric Acid | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking spreadout debris south of bldg. 6 pile. | 504 | P | 0.008 | 0.008 | 0.004 |
| 4/21/02 | P19208 | W8905 | Silica, Crystalline Quartz, Respirable Dust | A | NORTHWEST | TURNER | AREA SAMPLE | | 513 | X | 0 | 0.015 | 0.0030323 |
| 4/16/02 | P18976 | 0416KF01 | Nitric Acid | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking debris south of Bldg.6 pile. | 477 | P | 0.006 | 0.006 | 0.003 |
| 4/16/02 | P18976 | 0416KF01 | Hydrogen Chloride | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking debris south of Bldg.6 pile. | 477 | P | 0.009 | 0.009 | 0.0018 |
| 4/16/02 | P18976 | 0416KF01 | Hydrogen Bromide | P | NORTHWEST | TURNER | NY FIRE DEPARTMENT | FDNY, raking debris south of Bldg.6 pile. | 477 | P | 0.001 | 0.001 | 0.0003333 |



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