



Air Sampling Data For 04/05/02 to 04/12/02
WTC Recovery Project

Sample ID	Zone	Job Description	Begin Time	End Time	Worker	Respirator	Analyte	Results	OEL ¹	Shift Adj. OEL ²	% OEL ³	% Shift Adj OEL ³
WTC-BO-CJ-A-020404-03	BO	Area-depression under ramp by scaffold	4/4/2002 8:04:00 AM	4/4/2002 3:41:00 PM	Area	N/A	Asbestos	0.010 fibers/cc	0.1	0.05	10.00%	20.00%
WTC-BO-CJ-A-020405-03	BO	Area-under ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:27:00 PM	Area	N/A	Asbestos	0.0072 fibers/cc	0.1	0.05	7.20%	14.40%
WTC-BO-CJ-A-020406-03	BO	Under Ramp in Depression Center	4/6/2002 8:04:00 AM	4/6/2002 3:15:00 PM	Area Sample	N/A	Asbestos	0.0064 fibers/cc	0.1	0.05	6.40%	12.80%
WTC-BO-CJ-H-020406-02	BO	Top of Ramp to Depression Guard Booth	4/6/2002 7:58:00 AM	4/6/2002 3:14:00 PM	Area Sample		Hydrogen Sulfide	<0.041 ppm	10	10		
WTC-BO-CJ-H-020406-02	BO	Top of Ramp to Depression Guard Booth	4/6/2002 7:58:00 AM	4/6/2002 3:14:00 PM	Area Sample		Sulfur Dioxide	<0.010 ppm	2	2		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Lead	0.0015 mg/cu m	0.05	0.024	2.96%	6.17%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Chromium	0.0012 mg/cu m	0.5	0.024	0.24%	4.96%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Beryllium	0.000090 mg/cu m	0.002	0.001	0.45%	0.90%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Calcium	0.0092 mg/cu m	2	2	0.46%	0.46%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Copper	0.00060 mg/cu m	0.2	0.134	0.30%	0.45%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Iron	0.0090 mg/cu m	5	2.4	0.18%	0.37%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Manganese	0.000087 mg/cu m	0.2	0.134	0.04%	0.06%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Zinc	0.0019 mg/cu m	5	3.4	0.04%	0.06%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Magnesium	0.0015 mg/cu m	10	6.7	0.01%	0.02%
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Aluminum	<0.0027 mg/cu m	5	5		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Antimony	<0.0033 mg/cu m	0.5	0.024		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Arsenic	<0.00069 mg/cu m	0.01	0.0048		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Cadmium	<0.000028 mg/cu m	0.002	0.001		

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WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Cobalt	<0.00033 mg/cu m	0.02	0.01		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Nickel	<0.00014 mg/cu m	1.5	0.72		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Selenium	<0.0026 mg/cu m	0.2	0.134		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Thallium	<0.0026 mg/cu m	0.1	0.048		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Tin	<0.0028 mg/cu m	2	0.96		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Titanium	<0.000058 mg/cu m	10	10		
WTC-BO-CJ-M-020404-03	BO	Area-middle section of ramp	4/4/2002 8:08:00 AM	4/4/2002 3:12:00 PM	Area	N/A	Vanadium	<0.00044 mg/cu m	0.05	0.05		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Lead	0.00092 mg/cu m	0.05	0.024	1.83%	3.82%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Calcium	0.029 mg/cu m	2	2	1.44%	1.44%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Total Dust	0.14 mg/cu m	10	10	1.44%	1.44%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Beryllium	0.0000092 mg/cu m	0.002	0.001	0.46%	0.92%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Iron	0.012 mg/cu m	5	2.4	0.23%	0.48%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Copper	0.00030 mg/cu m	0.2	0.134	0.15%	0.23%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Manganese	0.00012 mg/cu m	0.2	0.134	0.06%	0.09%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Aluminum	0.0025 mg/cu m	5	5	0.05%	0.05%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Magnesium	0.0032 mg/cu m	10	6.7	0.03%	0.05%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Zinc	0.0012 mg/cu m	5	3.4	0.02%	0.04%
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Titanium	0.00021 mg/cu m	10	10	0.00%	0.00%

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WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Antimony	<0.0029 mg/cu m	0.5	0.024		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Arsenic	<0.00062 mg/cu m	0.01	0.0048		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Cadmium	<0.000025 mg/cu m	0.002	0.001		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Chromium	<0.00043 mg/cu m	0.5	0.024		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Cobalt	<0.00029 mg/cu m	0.02	0.01		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Nickel	<0.00013 mg/cu m	1.5	0.72		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Selenium	<0.0023 mg/cu m	0.2	0.134		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Thallium	<0.0023 mg/cu m	0.1	0.048		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Tin	<0.0025 mg/cu m	2	0.96		
WTC-BO-CJ-M-020405-02	BO	Area-center of ramp to depression	4/5/2002 7:35:00 AM	4/5/2002 3:25:00 PM	Area	N/A	Vanadium	<0.00040 mg/cu m	0.05	0.05		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Total Dust	0.20 mg/cu m	10	10	1.97%	1.97%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Beryllium	0.0000073 mg/cu m	0.002	0.001	0.36%	0.73%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Calcium	0.012 mg/cu m	2	2	0.62%	0.62%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Iron	0.0047 mg/cu m	5	2.4	0.09%	0.19%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Manganese	0.000078 mg/cu m	0.2	0.134	0.04%	0.06%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Zinc	0.0010 mg/cu m	5	3.4	0.02%	0.03%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Magnesium	0.0013 mg/cu m	10	6.7	0.01%	0.02%

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WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Titanium	0.00039 mg/cu m	10	10	0.00%	0.00%
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Aluminum	<0.0026 mg/cu m	5	5		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Antimony	<0.0032 mg/cu m	0.5	0.024		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Arsenic	<0.00067 mg/cu m	0.01	0.0048		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Cadmium	<0.000027 mg/cu m	0.002	0.001		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Chromium	<0.00047 mg/cu m	0.5	0.024		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Cobalt	<0.00032 mg/cu m	0.02	0.01		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Copper	<0.000076 mg/cu m	0.2	0.134		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Lead	<0.00027 mg/cu m	0.05	0.024		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Nickel	<0.00014 mg/cu m	1.5	0.72		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Selenium	<0.0025 mg/cu m	0.2	0.134		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Thallium	<0.0025 mg/cu m	0.1	0.048		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Tin	<0.0027 mg/cu m	2	0.96		
WTC-BO-CJ-M-020406-03	BO	Area-top of ramp to depression center	4/6/2002 7:50:00 AM	4/6/2002 3:02:00 PM	Area	N/A	Vanadium	<0.00043 mg/cu m	0.05	0.05		
WTC-BO-CJ-S-020404-02	BO	Area- middle section of ramp top	4/4/2002 1:30:00 PM	4/4/2002 9:00:00 PM	Area	N/A	Respirable Dust	0.13 mg/cu m	3	3	4.18%	4.18%

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ATC Liberty Mutual
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WTC-BO-CJ-S-020404-02	BO	Area- middle section of ramp top	4/4/2002 1:30:00 PM	4/4/2002 9:00:00 PM	Area	N/A	Cristobalite	<0.012 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020404-02	BO	Area- middle section of ramp top	4/4/2002 1:30:00 PM	4/4/2002 9:00:00 PM	Area	N/A	Quartz	<0.012 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020405-04	BO	Area-middle of bridge E side hand rail	4/5/2002 7:55:00 AM	4/5/2002 3:40:00 PM	Area	N/A	Respirable Dust	0.064 mg/cu m	3	3	2.13%	2.13%
WTC-BO-CJ-S-020405-04	BO	Area-middle of bridge E side hand rail	4/5/2002 7:55:00 AM	4/5/2002 3:40:00 PM	Area	N/A	Cristobalite	<0.011 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020405-04	BO	Area-middle of bridge E side hand rail	4/5/2002 7:55:00 AM	4/5/2002 3:40:00 PM	Area	N/A	Quartz	<0.011 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020406-05	BO	Top of Ramp 1/2 way Down to Depression	4/6/2002 8:05:00 AM	4/6/2002 3:17:00 PM	Area Sample	N/A	Cristobalite	<0.012 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020406-05	BO	Top of Ramp 1/2 way Down to Depression	4/6/2002 8:05:00 AM	4/6/2002 3:17:00 PM	Area Sample	N/A	Quartz	<0.012 mg/cu m	0.05	0.024		
WTC-BO-CJ-S-020406-05	BO	Top of Ramp 1/2 way Down to Depression	4/6/2002 8:05:00 AM	4/6/2002 3:17:00 PM	Area Sample	N/A	Respirable Dust	<0.062 mg/cu m	3	3		
WTC-BO-MA-A-020407-03	BO	Spotter on Surface Church & Vesey	4/7/2002 7:30:00 PM	4/8/2002 2:35:00 AM	Giovanni Giola	1/2 NPR	Asbestos	0.0052 fibers/cc	0.1	0.05	5.20%	10.40%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Total Dust	0.41 mg/cu m	10	10	4.10%	4.10%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Calcium	0.054 mg/cu m	2	2	2.70%	2.70%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Beryllium	0.0000081 mg/cu m	0.002	0.001	0.40%	0.81%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Iron	0.0070 mg/cu m	5	2.4	0.14%	0.29%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Manganese	0.00013 mg/cu m	0.2	0.134	0.07%	0.10%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Aluminum	0.0040 mg/cu m	5	5	0.08%	0.08%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Magnesium	0.0037 mg/cu m	10	6.7	0.04%	0.06%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Zinc	0.00077 mg/cu m	5	3.4	0.02%	0.02%
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Titanium	0.00031 mg/cu m	10	10	0.00%	0.00%

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WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Antimony	<0.0032 mg/cu m	0.5	0.024		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Arsenic	<0.00068 mg/cu m	0.01	0.0048		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Cadmium	<0.000028 mg/cu m	0.002	0.001		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Chromium	<0.00047 mg/cu m	0.5	0.024		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Cobalt	<0.00032 mg/cu m	0.02	0.01		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Copper	<0.000077 mg/cu m	0.2	0.134		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Lead	<0.00028 mg/cu m	0.05	0.024		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Nickel	<0.00014 mg/cu m	1.5	0.72		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Selenium	<0.0025 mg/cu m	0.2	0.134		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Thallium	<0.0025 mg/cu m	0.1	0.048		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Tin	<0.0028 mg/cu m	2	0.96		
WTC-BO-MA-M-020407-02	BO	Area-middle of bridge going to depression	4/7/2002 8:00:00 PM	4/8/2002 3:05:00 AM	Area	N/A	Vanadium	<0.00044 mg/cu m	0.05	0.05		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Total Dust	0.17 mg/cu m	10	10	1.65%	1.65%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Beryllium	0.0000077 mg/cu m	0.002	0.001	0.39%	0.77%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Calcium	0.014 mg/cu m	2	2	0.69%	0.69%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Iron	0.0050 mg/cu m	5	2.4	0.10%	0.21%

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Air Sampling Data For 04/05/02 to 04/12/02
WTC Recovery Project

Sample ID	Zone	Job Description	Begin Time	End Time	Worker	Respirator	Analyte	Results	OEL ¹	Shift Adj. OEL ²	% OEL ³	% Shift Adj OEL ³
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Manganese	0.000076 mg/cu m	0.2	0.134	0.04%	0.06%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Magnesium	0.0021 mg/cu m	10	6.7	0.02%	0.03%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Zinc	0.00022 mg/cu m	5	3.4	0.00%	0.01%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Titanium	0.00018 mg/cu m	10	10	0.00%	0.00%
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Aluminum	<0.0027 mg/cu m	5	5		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Antimony	<0.0032 mg/cu m	0.5	0.024		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Arsenic	<0.00068 mg/cu m	0.01	0.0048		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Cadmium	<0.000028 mg/cu m	0.002	0.001		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Chromium	<0.00047 mg/cu m	0.5	0.024		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Cobalt	<0.00032 mg/cu m	0.02	0.01		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Copper	<0.000078 mg/cu m	0.2	0.134		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Lead	<0.00028 mg/cu m	0.05	0.024		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Nickel	<0.00014 mg/cu m	1.5	0.72		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Selenium	<0.0025 mg/cu m	0.2	0.134		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Thallium	<0.0025 mg/cu m	0.1	0.048		
WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Tin	<0.0028 mg/cu m	2	0.96		

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WTC Recovery Project

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WTC-BO-MA-M-020407-04	BO	flagger @ Church & Liberty St.	4/7/2002 7:40:00 PM	4/8/2002 2:50:00 AM	Ismael Mendez	1/2 NPR	Vanadium	<0.00044 mg/cu m	0.05	0.05		
WTC-BO-MK-A-020407-03	BO	Depression Under Middle of the Ramp	4/7/2002 8:05:00 AM	4/7/2002 3:37:00 PM	Area Sample	N/A	Asbestos	0.0044 fibers/cc	0.1	0.05	4.40%	8.80%
WTC-BO-MK-A-020408-04	BO	Area-depression under middle of ramp	4/8/2002 8:05:00 AM	4/8/2002 3:16:00 PM	Area		Asbestos	0.0036 fibers/cc	0.1	0.05	3.60%	7.20%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Total Dust	0.084 mg/cu m	10	10	0.84%	0.84%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Beryllium	0.0000071 mg/cu m	0.002	0.001	0.35%	0.71%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Calcium	0.0081 mg/cu m	2	2	0.30%	0.30%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Copper	0.00017 mg/cu m	0.2	0.134	0.08%	0.12%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Iron	0.0029 mg/cu m	5	2.4	0.06%	0.12%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Magnesium	0.00092 mg/cu m	10	6.7	0.01%	0.01%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Titanium	0.000075 mg/cu m	10	10	0.00%	0.00%
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Aluminum	<0.0025 mg/cu m	5	5		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Antimony	<0.0031 mg/cu m	0.5	0.024		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Arsenic	<0.00065 mg/cu m	0.01	0.0048		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Cadmium	<0.000026 mg/cu m	0.002	0.001		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Chromium	<0.00045 mg/cu m	0.5	0.024		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Cobalt	<0.00031 mg/cu m	0.02	0.01		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Lead	<0.00028 mg/cu m	0.05	0.024		

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WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Manganese	<0.000070 mg/cu m	0.2	0.134		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Nickel	<0.00013 mg/cu m	1.5	0.72		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Selenium	<0.0024 mg/cu m	0.2	0.134		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Thallium	<0.0024 mg/cu m	0.1	0.048		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Tin	<0.0026 mg/cu m	2	0.96		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Vanadium	<0.00042 mg/cu m	0.05	0.05		
WTC-BO-MK-M-020407-02	BO	Area-middle of ramp walkway, handrail	4/7/2002 8:07:00 AM	4/7/2002 3:33:00 PM	Area	N/A	Zinc	<0.000096 mg/cu m	5	3.4		
WTC-BO-MK-S-020407-02	BO	Area-middle of the ramp, walkway handrail	4/7/2002 7:50:00 AM	4/7/2002 3:29:00 PM	Area	N/A	Cristobalite	<0.011 mg/cu m	0.05	0.024		
WTC-BO-MK-S-020407-02	BO	Area-middle of the ramp, walkway handrail	4/7/2002 7:50:00 AM	4/7/2002 3:29:00 PM	Area	N/A	Quartz	<0.011 mg/cu m	0.05	0.024		
WTC-BO-MK-S-020407-02	BO	Area-middle of the ramp, walkway handrail	4/7/2002 7:50:00 AM	4/7/2002 3:29:00 PM	Area	N/A	Respirable Dust	<0.057 mg/cu m	3	3		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Total Dust	1.9 mg/cu m	10	10	19.38%	19.38%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Calcium	0.32 mg/cu m	2	2	15.95%	15.95%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Manganese	0.017 mg/cu m	0.2	0.134	8.65%	12.92%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Iron	0.091 mg/cu m	5	2.4	1.81%	3.77%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Magnesium	0.086 mg/cu m	10	6.7	0.86%	1.28%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Beryllium	0.000086 mg/cu m	0.002	0.001	0.43%	0.86%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Copper	0.00095 mg/cu m	0.2	0.134	0.48%	0.71%

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WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Aluminum	0.012 mg/cu m	5	5	0.24%	0.24%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Zinc	0.0058 mg/cu m	5	3.4	0.12%	0.17%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Nickel	0.00017 mg/cu m	1.5	0.72	0.01%	0.02%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Titanium	0.00051 mg/cu m	10	10	0.01%	0.01%
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Antimony	<0.0032 mg/cu m	0.5	0.024		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Arsenic	<0.00068 mg/cu m	0.01	0.0048		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Cadmium	<0.000028 mg/cu m	0.002	0.001		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Chromium	<0.00048 mg/cu m	0.5	0.024		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Cobalt	<0.00032 mg/cu m	0.02	0.01		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Lead	<0.00028 mg/cu m	0.05	0.024		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Selenium	<0.0025 mg/cu m	0.2	0.134		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Thallium	<0.0025 mg/cu m	0.1	0.048		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Tin	<0.0028 mg/cu m	2	0.96		
WTC-BO-RF-M-020407-03	BO	Area-WTC 5 Lvl B1 welding work zone	4/7/2002 8:10:00 AM	4/7/2002 3:16:00 PM	Area	N/A	Vanadium	<0.00044 mg/cu m	0.05	0.05		
WTC-BO-RF-S-020407-03	BO	Area-WTC 5 ,B2, mechanical room, demolition action	4/7/2002 7:55:00 AM	4/7/2002 3:05:00 PM	Area	n/A	Quartz	0.037 mg/cu m	0.05	0.024	74.00%	154.17%
WTC-BO-RF-S-020407-03	BO	Area-WTC 5 ,B2, mechanical room, demolition action	4/7/2002 7:55:00 AM	4/7/2002 3:05:00 PM	Area	n/A	Respirable Dust	0.53 mg/cu m	3	3	17.53%	17.53%

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WTC-BO-RF-S-020407-03	BO	Area-WTC 5, B2, mechanical room, demolition action	4/7/2002 7:55:00 AM	4/7/2002 3:05:00 PM	Area	n/A	Cristobalite	<0.012 mg/cu m	0.05	0.024		
WTC-BO-RM-A-020406-03	BO	Flagger @ Chruch & Liberty	4/6/2002 7:20:00 PM	4/7/2002 2:37:00 AM	Ismael Mendez	No NPR Observed	Asbestos	<0.0028 fibers/cc	0.1	0.05		
WTC-BO-RM-A-020406-04	BO	Spotter on Surface 4WTC	4/6/2002 7:23:00 PM	4/7/2002 2:40:00 AM	Richard Troy	None	Asbestos	0.0042 fibers/cc	0.1	0.05	4.20%	8.40%
WTC-BO-RM-G-020406-02P	BO	Spotter on Surface Church & Vesey	4/6/2002 7:35:00 PM	4/7/2002 2:50:00 AM	Giovanni Gioia	No NPR Observed	Mercury	<0.00023 mg/cu m	0.025	0.017		
WTC-BO-RM-G-020406-02V	BO	Spotter on Surface Church & Vesey	4/6/2002 7:35:00 PM	4/7/2002 2:50:00 AM	Giovanni Gioia	No NPR Observed	Mercury	<0.00023 mg/cu m	0.025	0.017		
WTC-BO-RM-H-020405-02	BO	Area-West & Vesey next to Verizon Bldg	4/5/2002 7:37:00 PM	4/6/2002 2:55:00 AM	Area	N/A	Hydrogen Sulfide	<0.058 ppm	10	10		
WTC-BO-RM-H-020405-02	BO	Area-West & Vesey next to Verizon Bldg	4/5/2002 7:37:00 PM	4/6/2002 2:55:00 AM	Area	N/A	Sulfur Dioxide	<0.011 ppm	2	2		
WTC-BO-RM-H-020406-02	BO	Church & Vesey	4/6/2002 7:37:00 PM	4/7/2002 2:52:00 AM	Area Sample		Sulfur Dioxide	0.058 ppm	2	2	2.89%	2.89%
WTC-BO-RM-H-020406-02	BO	Church & Vesey	4/6/2002 7:37:00 PM	4/7/2002 2:52:00 AM	Area Sample		Hydrogen Sulfide	<0.041 ppm	10	10		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Total Dust	0.22 mg/cu m	10	10	2.15%	2.15%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Calcium	0.017 mg/cu m	2	2	0.84%	0.84%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Iron	0.0099 mg/cu m	5	2.4	0.20%	0.41%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Copper	0.00047 mg/cu m	0.2	0.134	0.23%	0.35%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Manganese	0.00010 mg/cu m	0.2	0.134	0.05%	0.08%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Magnesium	0.0032 mg/cu m	10	6.7	0.03%	0.05%

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Air Sampling Data For 04/05/02 to 04/12/02
WTC Recovery Project

Sample ID	Zone	Job Description	Begin Time	End Time	Worker	Respirator	Analyte	Results	OEL ¹	Shift Adj. OEL ²	% OEL ³	% Shift Adj OEL ³
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Titanium	0.00012 mg/cu m	10	10	0.00%	0.00%
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Aluminum	<0.0026 mg/cu m	5	5		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Antimony	<0.0032 mg/cu m	0.5	0.024		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Arsenic	<0.00067 mg/cu m	0.01	0.0048		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Beryllium	<0.0000013 mg/cu m	0.002	0.001		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Cadmium	<0.000027 mg/cu m	0.002	0.001		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Chromium	<0.00047 mg/cu m	0.5	0.024		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Cobalt	<0.00032 mg/cu m	0.02	0.01		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Lead	<0.00027 mg/cu m	0.05	0.024		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Nickel	<0.00014 mg/cu m	1.5	0.72		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Selenium	<0.0025 mg/cu m	0.2	0.134		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Thallium	<0.0025 mg/cu m	0.1	0.048		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Tin	<0.0027 mg/cu m	2	0.96		
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Vanadium	<0.00043 mg/cu m	0.05	0.05		

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Air Sampling Data For 04/05/02 to 04/12/02
WTC Recovery Project

Sample ID	Zone	Job Description	Begin Time	End Time	Worker	Respirator	Analyte	Results	OEL ¹	Shift Adj. OEL ²	% OEL ³	% Shift Adj OEL ³
WTC-BO-RM-M-020402-03	BO	Spotter on Surface Church & Liberty Street	4/2/2002 7:20:00 PM	4/3/2002 2:32:00 AM	Ismael Mendez	No NPR Observed	Zinc	<0.000099 mg/cu m	5	3.4		
WTC-BO-RM-S-020405-03	BO	spotter on surface @ Church/Liberty	4/5/2002 7:18:00 PM	4/6/2002 2:35:00 AM	Ismael Mendez	no NPR	Quartz	0.013 mg/cu m	0.05	0.024	26.00%	54.17%
WTC-BO-RM-S-020405-03	BO	spotter on surface @ Church/Liberty	4/5/2002 7:18:00 PM	4/6/2002 2:35:00 AM	Ismael Mendez	no NPR	Respirable Dust	0.061 mg/cu m	3	3	2.04%	2.04%
WTC-BO-RM-S-020405-03	BO	spotter on surface @ Church/Liberty	4/5/2002 7:18:00 PM	4/6/2002 2:35:00 AM	Ismael Mendez	no NPR	Cristobalite	<0.012 mg/cu m	0.05	0.024		
WTC-BO-SE-A-020406-04	BO	Depression Middle of Ramp 20' West	4/6/2002 1:00:00 PM	4/6/2002 6:00:00 PM	Area Sample	N/A	Asbestos	0.0042 fibers/cc	0.1	0.05	4.20%	8.40%

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