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

CITY_21MC100_0089185 35

NYC-WTC_000208423

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
4/15/02	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

CITY_21MC100_000918536

NYC-WTC_000208424

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
4/15/02	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

CITY_21MC100_008918537

NYC-WTC_000208425

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
4/16/02	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

CITY_21MC100_008918538

NYC-WTC_000208426