NYC 9/11 Public Portal Document

Week of:	Agent Class	Samples Collected	Target	% of Target	# Analyses	Highest Result % of OEL	Highest Analyte	Job with Highest Exposure	# of NQs	% NQ	CO Peak # Above 200 ppm
11/25/01	Total Dust/Metals	17	9	189%	340	56% of PEL	Cadmium	Torch Cutter	198	58%	
11/25/01	Resp. Dust/Silica	13	7.25	179%	39	36% of TLV	Quartz	Spotter	27	69%	
11/25/01	Aromatics	7	14	50%	28	0.0076% of TLV	Toluene	Torch Cutter	26	93%	
11/25/01	Aldehydes	3	7.5	40%	21	1.3% of PEL	Formaldehyde	Backhoe Operator	15	71%	
11/25/01	PAHs	6	8	75%	96	2.8% of PEL	Napthalene	Grappler Operator	75	78%	
11/25/01	Asbestos	24	15.5	155%	24	33% of PEL	Fibers	Spotter	4	17%	
11/25/01	Acids	6	13.5	44%	36	0.33% of TLV	Hydrofluoric Acid	Grappler Operator	59	164%	
11/25/01	Ozone	2	5.5	36%	2	All "Too Low to Quantify"					
11/25/01	Carbon Monoxide (TWA)	26	22	118%	26	132% of TLV (abbreviated sample - 2 hrs, 9 min)	Carbon Monoxide	Flagman	15	58%	1@ 230 ppm (Grappler Operator)
		104	102.25	102%	612						
12/1/01	Total Dust/Metals	10	9	111%	202	10% of PEL	Arsenic	Torch Cutter	122	60%	
12/1/01	Resp. Dust/Silica	8	7.25	110%	24	11% of TLV	Respirable Dust	Equipment Operator	19	79%	
12/1/01	Aromatics	12	14	86%	48	0.64% of TLV	Benzene	Equipment Operator	31	65%	
12/1/01	Aldehydes	6	7.5	80%	42	2.3% of PEL	Formaldehyde	Equipment Operator	29	69%	
12/1/01	PAHs	6	8	75%	96	8.5% of PEL	Total PAHs	Torch Cutter	52	54%	
12/1/01	Asbestos	26	15.5	168%	26	48% of PEL	Fibers	Spotter	5	19%	
12/1/01	Acids	6	13.5	44%	36	5.9% of PEL	Sulfuric Acid	Grappler Operator	31	86%	
12/1/01	Ozone	8	5.5	145%	8	All "Too Low to Quantify"	N/A		8	100%	
12/1/01	Carbon Monoxide (TWA)	18	22	82%	18	20% of TLV	Carbon Monoxide	Torch Cutter	14	78%	
12/1/01	Hydrogen Sulfide	8	8	100%	8	160% of TLV (Area Sample)	Hydrogen Sulfide	SW Corner, near south bridge	5	63%	
12/1/01	Diesel Fume	11	4	275%	11	2.2 % of PEL	Inorganic Carbon	Torch Cutter	1	9%	
	Totals:	108	114.25	95%	508						

Notes:

The PEL for quartz is determined by the formula PEL = 10 mg/m3 / (% quartz +2). For dusts with high quartz content this works out to be a quartz concentration of approximately 0.1 mg/m3.

"OEL" = "occupational exposure limit". A generic term encompassing PELs, TLVs and other workplace exposure limits.

"NQ" = "not quantifiable". Substance was was not present in sufficient quantity in the sample to report a firm value for the concentration. All quantification levels for the sampling methods used are well below occupational exposure limits.

The area samples for hydrogen sulfide were taken near suspected sources and were not representative of worker exposure.

CITY_21MC100_00678498 2

NYC-WTC_000429751