

JFK Sampling 12/6-7/2018 - Particle counts, Spore Trap (Air-O-Cell), and Formaldehyde

Building	RM #	Time	
JFK	AHU 2-3 Intake	13:20-13:24	
3016-IAQ	Sa1 Sa2 Sa3	357-369	
0.3	93809	92078 94791	93559
0.5	6833	6136 6029	6333
1	489	498 446	478
2.5	128	137 133	133
5	31	29 30	30
10	8	4 11	8
Temp	35.1	Air-O-Cell 2735-3277	
RH	48	Formaldehyde	

Building	RM #	Time		
JFK	AHU 6-7 Intake	JFK roof @ SCI	JFK Roof @ Center	13:39-13:45
3016-IAQ	Sa1 Sa2 Sa3	370-372		
0.3	89439	95320 90904	92221	
0.5	5530	5950 5838	5773	
1	412	456 652	507	
2.5	123	128 846	366	
5	41	40 69	50	
10	11	15 11	12	
Temp	30.2	Air-O-Cell		
RH	59.1	Formaldehyde		

Building	RM #	Time		
JFK	M23 south	M23 center	M23 north	13:47-13:50
3016	Sa1 Sa2 Sa3	248-250		
0.3	13812	14750 14288	14283	
0.5	780	893 847	840	
1	88	79 64	77	
2.5	65	74 66	68	
5	17	12 24	18	
10	17	13 9	13	
Temp	71.7	Air-O-Cell		
RH	23	Formaldehyde		

Building	RM #	Time		
JFK	M18 south	M18 center	M18 north	13:54-13:58
3016	Sa1 Sa2 Sa3	251-253		
0.3	21038	20454 20610	20701	
0.5	1252	1230 1253	1245	
1	148	137 121	135	
2.5	157	124 99	127	
5	45	43 34	41	
10	28	37 17	27	
Temp	72.1	Air-O-Cell 2733-5543		1324-1631
RH	23	Formaldehyde VWV303		

Building	RM #	Time		
JFK	M04F	M04	M04 window	14:02-14:06
3016	Sa1 Sa2 Sa3	255-257		
0.3	15804	15976 15946	15909	
0.5	883	879 857	873	
1	62	110 64	79	
2.5	20	85 51	52	
5	6	30 16	17	
10	0	19 10	10	
Temp	71.9	Air-O-Cell 2733-5533		
RH	23.4	Formaldehyde		

Building	RM #	Time		
JFK	M04D	M04D	M04D	14:11-14:15
3016	Sa1 Sa2 Sa3	256-258		
0.3	16029	15333 13737	15033	
0.5	857	907 895	886	
1	64	112 140	105	
2.5	51	119 123	98	
5	16	26 42	28	
10	10	26 34	23	
Temp	72.5	Air-O-Cell 2733-5541		
RH	24.6	Formaldehyde		

Building	RM #	Time		
JFK	M04E	M04E	M04E	14:18-14:22
3016	Sa1 Sa2 Sa3	259-261		
0.3	14909	14604 14776	14763	
0.5	896	963 945	935	
1	111	169 147	142	
2.5	75	140 104	106	
5	20	35 31	23	
10	15	36 17	23	
Temp	73.3	Air-O-Cell 2733-5537		
RH	23.9	Formaldehyde		

Building	RM #	Time		
JFK	M04C	M04C	M04C	14:25-14:30
3016	Sa1 Sa2 Sa3	262-264		
0.3	14702	11573 14340	13538	
0.5	943	715 862	840	
1	147	94 79	107	
2.5	103	61 49	71	
5	31	14 14	20	
10	17	9 5	10	
Temp	72.9	Air-O-Cell 2733-5509		
RH	23.8	Formaldehyde		

Building	RM #	Time		
JFK	U05	U05	U05	14:34-14:40
3016	Sa1 Sa2 Sa3	265-267		
0.3	19121	19974 20140	19745	
0.5	1285	1339 1425	1350	
1	171	226 204	200	
2.5	148	173 161	161	
5	36	47 19	34	
10	17	21 18	19	
Temp	73.7	Air-O-Cell 2733-5431		
RH	23.6	Formaldehyde		

Building	RM #	Time		
JFK	U02B	U02B	U02	14:42-14:47
3016	Sa1 Sa2 Sa3	268-270		
0.3	12739	12795 20750	15428	
0.5	830	821 1203	951	
1	104	104 45	84	
2.5	76	73 15	55	
5	26	25 6	19	
10	25	25 2	17	
Temp	71.9	Air-O-Cell HEPA		
RH	22.7	Formaldehyde		

Building	RM #	Time		
JFK	U02C	U02C	U02C	14:48-14:52
3016	Sa1 Sa2 Sa3	272-274		
0.3	19008	18710 19638	19119	
0.5	1168	1125 1103	1132	
1	171	114 103	129	
2.5	123	76 84	94	
5	36	18 16	23	
10	20	19 12	17	
Temp	73.5	Air-O-Cell 2733-5588		
RH	22.4	Formaldehyde		

Building	RM #	Time		
JFK	U18	U18	U18	14:58-15:02
3016	Sa1 Sa2 Sa3	275-277		
0.3	25465	24547 25257	25090	
0.5	1462	1452 1463	1459	
1	60	75 111	82	
2.5	12	24 43	26	
5	3	11 11	8	
10	0	8 19	9	
Temp	72.3	Air-O-Cell 2733-5505		
RH	22.9	Formaldehyde		

Building	RM #	Time		
JFK	L37 @ Off	L05	L37 @ Off	15:06-15:09
3016	Sa1 Sa2 Sa3	278-280		
0.3	20215	24849 21277	22114	
0.5	1200	1459 1282	1314	
1	88	95 90	91	
2.5	41	33 78	51	
5	10	5 14	10	
10	5	4 19	9	
Temp	72	Air-O-Cell 2736-3160		1332-1634
RH	23.4	Formaldehyde Y1973		

Building	RM #	Time		
JFK	L23	L23	L23	15:13-15:17
3016	Sa1 Sa2 Sa3	281-283		
0.3	25322	25281 24724	25109	
0.5	1491	1632 1570	1564	
1	81	114 114	103	
2.5	35	85 76	65	
5	6	42 23	24	
10	1	7 8	5	
Temp	73.7	Air-O-Cell 2733-5567		1334-1639
RH	22.4	Formaldehyde Z2697		

Building	RM #	Time		
JFK	L03	L03	L03	15:21-15:26
3016	Sa1 Sa2 Sa3	284-286		
0.3	22868	21908 21938	22238	
0.5	1312	1287 1294	1298	
1	59	83 86	76	
2.5	23	44 48	38	
5	2	23 14	13	
10	3	7 8	6	
Temp	73.3	Air-O-Cell 2733-5497		1331-1635
RH	22.8	Formaldehyde RR811		

Building	RM #	Time		
JFK	Circ Desk	Circ Desk	Circ Desk	15:35-15:42
3016	Sa1 Sa2 Sa3	287-289		
0.3	22439	24450 24063	23651	
0.5	1439	1553 1563	1518	
1	99	117 142	119	
2.5	84	69 87	80	
5	18	18 17	18	
10	6	9 3	6	
Temp	72.7	Air-O-Cell 2733-5492		
RH	23.6	Formaldehyde		

Building	RM #	Time		
JFK	Ref Desk	Ref Desk	Ref Desk	13:45-13:49
3016	Sa1 Sa2 Sa3	290-292		
0.3	23917	24343 24781	24347	
0.5	1594	1573 1667	1611	
1	243	128 176	182	
2.5	199	133 142	158	
5	53	29 24	35	
10	17	10 17	15	
Temp	72.1	Air-O-Cell 2733-5580		
RH	23.3	Formaldehyde		

Building	RM #	Time		
JFK	M14 plenum	M14 plenum	M14 plenum	15:59-16:06
3016	Sa1 Sa2 Sa3	293-295		
0.3	23664	23659 23536	23620	
0.5	2191	3017 2071	2426	
1	893	1812 728	1144	
2.5	1475	3620 1227	2107	
5	908	2079 621	1203	
10	678	1180 292	717	
Temp	73.4	Air-O-Cell		
RH	23.5	Formaldehyde		

Comparables			
JFK	Main	Lower	ratio
µm			
0.3	18427.1	23153.6	22.7
0.5	1241.7	1391.9	11.4
1	232.4	90.0	88.3
2.5	318.6	51.4	144.4
5	156.4	15.4	164.1
10	93.7	6.9	172.6
Temp	72.5	73.0	0.7
RH	23.6	22.9	3.0

Comparables			
JFK	Main	Upper	ratio
µm			
0.3	18427.1	19845.3	7.4
0.5	1241.7	1223.0	1.5
1	232.4	124.0	60.8
2.5	318.6	84.0	116.5
5	156.4	21.2	152.3
10	93.7	15.5	143.2
Temp	72.5	72.9	0.5
RH	23.6	22.9	2.9

Comparables			
JFK	Lower	Upper	ratio
µm			
0.3	23153.6	19845.3	15.4
0.5	1391.9	1223.0	12.9
1	90.0	124.0	31.8
2.5	51.4	84.0	48.1
5	15.4	21.2	31.3
10	6.9	15.5	76.9
Temp	73.0	72.9	0.2
RH	22.9	22.9	0.1

Comparables			
JFK	Inside	Outside	ratio
µm			
0.3	20475.3	92890.2	127.8