

### Table 1 Analytical Air Sample Results

Performance Validation Study - Phase I - Ashland, Virginia - February 24-28, 2003

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Background	Hydrar	All	E. bay by center bay door	0.209	278	58.24	0.0047	0.002722083	3705-B-225-04
Background	MCEF	All	E. bay by center bay door	0.209	278	58.24	<0.00017	0	3705-B-225-03
Background	Hydrar	All	Middle of E. bay	0.212	278	58.94	0.0039	0.00225875	3705-B-225-02
Background	MCEF	All	Middle of E. bay	0.212	278	58.94	<0.00017	0	3705-B-225-01
Personal	Hydrar	Manufacturer A	Device operation	0.1535	112	17.19	0.012	0.0028	3705-RA-227-22
Personal	MCEF	Manufacturer A	Device operation	0.1535	112	17.19	<0.00058	0	3705-RA-227-21
Personal	Hydrar	Manufacturer A	Device operation	0.154	112	17.25	0.011	0.002566667	3705-RA-227-24
Personal	MCEF	Manufacturer A	Device operation	0.154	112	17.25	<0.00058	0	3705-RA-227-23
Personal	Hydrar	Manufacturer A	Drum Change	0.2525	12	3.03	0.02	0.0005	3705-RA-227-34
Personal	MCEF	Manufacturer A	Drum Change	0.2525	12	3.03	<0.00330	0	3705-RA-227-33
Area	Hydrar	Manufacturer A	By device exhaust	0.1515	112	16.97	0.0028	0.000653333	3705-RA-227-30
Area	MCEF	Manufacturer A	By device exhaust	0.1515	112	16.97	<0.00059	0	3705-RA-227-29
Area	Hydrar	Manufacturer A	By device exhaust	0.1535	112	17.19	0.011	0.002566667	3705-RA-227-32
Area	MCEF	Manufacturer A	By device exhaust	0.1535	112	17.19	<0.00058	0	3705-RA-227-31
Area	Hydrar	Manufacturer A	By device feed tube	0.1515	112	16.97	0.013	0.003033333	3705-RA-227-26
Area	MCEF	Manufacturer A	By device feed tube	0.1515	112	16.97	<0.00059	0	3705-RA-227-25
Area	Hydrar	Manufacturer A	By device feed tube	0.1545	112	17.3	0.011	0.002566667	3705-RA-227-28
Area	MCEF	Manufacturer A	By device feed tube	0.1545	112	17.3	<0.00058	0	3705-RA-227-27
Personal	Hydrar	Manufacturer B	Device operation	0.153	86	13.16	0.012	0.00215	3705-DA-228-50
Personal	MCEF	Manufacturer B	Device operation	0.153	86	13.16	<0.00076	0	3705-DA-228-49
Personal	Hydrar	Manufacturer B	Device operation	0.151	86	12.99	0.013	0.002329167	3705-DA-228-52
Personal	MCEF	Manufacturer B	Device operation	0.151	86	12.99	<0.00077	0	3705-DA-228-51
Personal	Hydrar	Manufacturer B	Drum Change	0.253	13	3.29	0.025	0.000677083	3705-DA-228-62
Personal	MCEF	Manufacturer B	Drum Change	0.253	13	3.29	<0.0030	0	3705-DA-228-61
Area	Hydrar	Manufacturer B	By device exhaust	0.1535	86	13.2	0.012	0.00215	3705-DA-228-58
Area	MCEF	Manufacturer B	By device exhaust	0.1535	86	13.2	<0.00076	0	3705-DA-228-57
Area	Hydrar	Manufacturer B	By device exhaust	0.1515	86	13.03	0.012	0.00215	3705-DA-228-60
Area	MCEF	Manufacturer B	By device exhaust	0.1515	86	13.03	<0.00077	0	3705-DA-228-59
Area	Hydrar	Manufacturer B	By device feed tube	0.145	86	12.47	0.0039	0.00069875	3705-DA-228-54
Area	MCEF	Manufacturer B	By device feed tube	0.145	86	12.47	<0.0080	0	3705-DA-228-53
Area	Hydrar	Manufacturer B	By device feed tube	0.1515	86	13.03	0.012	0.00215	3705-DA-228-56
Area	MCEF	Manufacturer B	By device feed tube	0.1515	86	13.03	<0.00077	0	3705-DA-228-55
Personal	Hydrar	Manufacturer C	Device operation	0.153	100	15.3	0.012	0.0025	3705-AA-226-06
Personal	MCEF	Manufacturer C	Device operation	0.153	100	15.3	<0.00065	0	3705-AA-226-05
Personal	Hydrar	Manufacturer C	Device operation	0.1505	100	15.05	0.015	0.003125	3705-AA-226-08
Personal	MCEF	Manufacturer C	Device operation	0.1505	100	15.05	<0.00066	0	3705-AA-226-07

Performance Validation Study - Phase I - Ashland, Virginia - February 24-28, 2003									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Personal	Hydrar	Manufacturer C	Filter Change	0.2555	12	3.07	0.019	0.000475	3705-AA-226-18
Personal	MCEF	Manufacturer C	Filter Change	0.2555	12	3.07	<0.00033	0	3705-AA-226-17
Area	Hydrar	Manufacturer C	By device exhaust	0.1209	100	12.09	0.0055	0.001145833	3705-AA-226-10
Area	MCEF	Manufacturer C	By device exhaust	0.1209	100	12.09	<0.00083	0	3705-AA-226-09
Area	Hydrar	Manufacturer C	By device exhaust	0.15	100	15	0.01	0.002083333	3705-AA-226-12
Area	MCEF	Manufacturer C	By device exhaust	0.15	100	15	<0.00067	0	3705-AA-226-11
Area	Hydrar	Manufacturer C	By device feed tube	0.125	100	12.56	0.0095	0.001979167	3705-AA-226-14
Area	MCEF	Manufacturer C	By device feed tube	0.125	100	12.56	<0.00080	0	3705-AA-226-13
Area	Hydrar	Manufacturer C	By device feed tube	0.158	100	15.8	0.013	0.002708333	3705-AA-226-16
Area	MCEF	Manufacturer C	By device feed tube	0.158	100	15.8	<0.00063	0	3705-AA-226-15
Personal	Hydrar	Manufacturer D	Device operation	0.153	55	8.42	0.04	0.004583333	3705-HA-227-36
Personal	MCEF	Manufacturer D	Device operation	0.153	55	8.42	<0.0012	0	3705-HA-227-35
Personal	Hydrar	Manufacturer D	Device operation	0.156	55	8.58	0.13	0.014895833	3705-HA-227-38
Personal	MCEF	Manufacturer D	Device operation	0.156	55	8.58	<0.0012	0	3705-HA-227-37
Personal	Hydrar	Manufacturer D	Drum Change	0.154	6	0.924	0.19	0.002375	3705-HA-227-48
Personal	MCEF	Manufacturer D	Drum Change	0.154	6	0.924	<0.011	0	3705-HA-227-47
Area	Hydrar	Manufacturer D	By device exhaust	0.1505	55	8.28	0.33	0.0378125	3705-HA-227-44
Area	MCEF	Manufacturer D	By device exhaust	0.1505	55	8.28	<0.0012	0	3705-HA-227-43
Area	Hydrar	Manufacturer D	By device exhaust	0.253	55	13.92	0.36	0.04125	3705-HA-227-46
Area	MCEF	Manufacturer D	By device exhaust	0.253	55	13.92	<0.00072	0	3705-HA-227-45
Area	Hydrar	Manufacturer D	By device feed tube	0.1515	55	8.33	0.58	0.066458333	3705-HA-227-40
Area	MCEF	Manufacturer D	By device feed tube	0.1515	55	8.33	<0.0013	0	3705-HA-227-39
Area	Hydrar	Manufacturer D	By device feed tube	0.155	53	8.23	0.64	0.070666667	3705-HA-227-42
Area	MCEF	Manufacturer D	By device feed tube	0.155	53	8.23	<0.0012	0	3705-HA-227-41

Performance Validation Study - Phase II - Ashland, Virginia - June 9-13, 2003									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Personal	Hydrar	Manufacturer A	Device operation (RS)	0.195	64	12.5	0.012	0.0016	3705-RA-610-33
Personal	MCEF	Manufacturer A	Device operation (RS)	0.195	64	12.5	<0.00080	0	3705-RA-610-34
Personal	Hydrar	Manufacturer A	Device operation (LS)	0.196	64	12.5	0.013	0.001733333	3705-RA-610-35
Personal	MCEF	Manufacturer A	Device operation (LS)	0.196	64	12.5	<0.00080	0	3705-RA-610-36
Personal	Hydrar	Manufacturer A	Drum Change	0.261	12	3.1	0.031	0.000775	3705-RA-610-45

Personal	MCEF	Manufacturer A	Drum Change	0.261	12	3.1	<0.0032	0	3705-RA-610-46
Personal	Hydrar	Manufacturer A	Ceiling #1	0.247	4	1	0.067	0.000558333	3705-RA-610-51
Personal	MCEF	Manufacturer A	Ceiling #1	0.247	4	1	<0.010	0	3705-RA-610-52
Personal	Hydrar	Manufacturer A	Ceiling #2	0.247	4	1	0.042	0.00035	3705-RA-610-53
Personal	MCEF	Manufacturer A	Ceiling #2	0.247	4	1	<0.010	0	3705-RA-610-54
Area	Hydrar	Manufacturer A	By device exhaust	0.197	58	11.4	0.015	0.0018125	3705-RA-610-37
Area	MCEF	Manufacturer A	By device exhaust	0.197	58	11.4	<0.00088	0	3705-RA-610-38
Area	Hydrar	Manufacturer A	By device exhaust	0.198	58	11.5	0.014	0.001691667	3705-RA-610-39
Area	MCEF	Manufacturer A	By device exhaust	0.198	58	11.5	<0.00087	0	3705-RA-610-40
Area	Hydrar	Manufacturer A	By device feed tube	0.2	58	11.6	0.015	0.0018125	3705-RA-610-41
<b>Performance Validation Study - Phase II - Ashland, Virginia - June 9-13, 2003</b>									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Area	MCEF	Manufacturer A	By device feed tube	0.2	58	11.6	<0.00086	0	3705-RA-610-42
Area	Hydrar	Manufacturer A	By device feed tube	0.186	58	10.8	0.013	0.001570833	3705-RA-610-43
Area	MCEF	Manufacturer A	By device feed tube	0.186	58	10.8	<0.00093	0	3705-RA-610-44
Personal	Hydrar	Manufacturer B	Device operation (RS)	0.2	34	6.8	0.034	0.002408333	3705-DA-611-91
Personal	MCEF	Manufacturer B	Device operation (RS)	0.2	34	6.8	<0.0015	0	3705-DA-611-92
Personal	Hydrar	Manufacturer B	Device operation (LS)	0.2	34	6.8	0.034	0.002408333	3705-DA-611-93
Personal	MCEF	Manufacturer B	Device operation (LS)	0.2	34	6.8	<0.0015	0	3705-DA-611-94
Personal	Hydrar	Manufacturer B	Drum Change	0.257	12	3.1	0.074	0.00185	3705-DA-611-103
Personal	MCEF	Manufacturer B	Drum Change	0.257	12	3.1	<0.0032	0	3705-DA-611-104
Personal	Hydrar	Manufacturer B	Ceiling #1	0.26	4	1	0.094	0.000783333	3705-DA-611-105
Personal	MCEF	Manufacturer B	Ceiling #1	0.26	4	1	<0.010	0	3705-DA-611-106
Personal	Hydrar	Manufacturer B	Ceiling #2	0.26	4	1	0.11	0.000916667	3705-DA-611-107
Personal	MCEF	Manufacturer B	Ceiling #2	0.26	4	1	<0.010	0	3705-DA-611-108
Area	Hydrar	Manufacturer B	By device exhaust	0.212	34	7.2	0.026	0.001841667	3705-DA-611-95
Area	MCEF	Manufacturer B	By device exhaust	0.212	34	7.2	<0.0014	0	3705-DA-611-96
Area	Hydrar	Manufacturer B	By device exhaust	0.198	34	6.7	0.034	0.002408333	3705-DA-611-97
Area	MCEF	Manufacturer B	By device exhaust	0.198	34	6.7	<0.0015	0	3705-DA-611-98
Area	Hydrar	Manufacturer B	By device feed tube	0.202	34	6.9	0.033	0.0023375	3705-DA-611-99
Area	MCEF	Manufacturer B	By device feed tube	0.202	34	6.9	<0.0014	0	3705-DA-611-100
Area	Hydrar	Manufacturer B	By device feed tube	0.2	34	6.8	0.034	0.002408333	3705-DA-611-101
Area	MCEF	Manufacturer B	By device feed tube	0.2	34	6.8	<0.0015	0	3705-DA-611-102
Personal	Hydrar	Manufacturer C	Device operation (LS)	0.203	37	7.5	0.039	0.00300625	3705-AA-612-147
Personal	MCEF	Manufacturer C	Device operation (LS)	0.203	37	7.5	<0.0013	0	3705-AA-612-148
Personal	Hydrar	Manufacturer C	Device operation (RS)	0.199	37	7.4	0.018	0.0013875	3705-AA-612-145
Personal	MCEF	Manufacturer C	Device operation (RS)	0.199	37	7.4	<0.0013	0	3705-AA-612-146
Personal	Hydrar	Manufacturer C	Filter Change	0.255	12	3.1	0.039	0.000975	3705-AA-612-157
Personal	MCEF	Manufacturer C	Filter Change	0.255	12	3.1	<0.0032	0	3705-AA-612-158
Personal	Hydrar	Manufacturer C	Drum Change	0.255	14	3.6	0.072	0.0021	3705-AA-612-159
Personal	MCEF	Manufacturer C	Drum Change	0.255	14	3.6	<0.0028	0	3705-AA-612-160

Personal	Hydrar	Manufacturer C	Ceiling #1	0.254	4	1	0.1	0.000833333	3705-AA-612-161
Personal	MCEF	Manufacturer C	Ceiling #1	0.254	4	1	<0.010	0	3705-AA-612-162
Personal	Hydrar	Manufacturer C	Ceiling #2	0.254	4	1	0.21	0.00175	3705-AA-612-163
Personal	MCEF	Manufacturer C	Ceiling #2	0.254	4	1	<0.010	0	3705-AA-612-164
Area	Hydrar	Manufacturer C	By device exhaust	0.2	37	7.4	0.039	0.00300625	3705-AA-612-149
Area	MCEF	Manufacturer C	By device exhaust	0.2	37	7.4	<0.0013	0	3705-AA-612-150
Area	Hydrar	Manufacturer C	By device exhaust	0.206	37	7.6	0.042	0.0032375	3705-AA-612-151
Area	MCEF	Manufacturer C	By device exhaust	0.206	37	7.6	<0.0013	0	3705-AA-612-152
Area	Hydrar	Manufacturer C	By device feed tube	0.209	37	7.7	0.042	0.0032375	3705-AA-612-153
Area	MCEF	Manufacturer C	By device feed tube	0.209	37	7.7	<0.0013	0	3705-AA-612-154
Area	Hydrar	Manufacturer C	By device feed tube	0.203	37	7.5	0.039	0.00300625	3705-AA-612-155
Area	MCEF	Manufacturer C	By device feed tube	0.203	37	7.5	<0.0013	0	3705-AA-612-156

Extended Field Test #1 - Phoenix, Arizona - March 24-28, 2003									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Background	Hydrar	All	E. of containment in warehouse	0.1365	205	27.98	0.0059	0.002519792	3705-B-324-03
Background	MCEF	All	E. of containment in warehouse	0.1365	205	27.98	<0.00036	0	3705-B-324-04
Background	Hydrar	All	N. of containment in warehouse	0.155	205	31.78	0.014	0.005979167	3705-B-324-01
Background	MCEF	All	N. of containment in warehouse	0.155	205	31.78	<0.00031	0	3705-B-324-02
Personal	Hydrar	Manufacturer A	Device operation - 2 drums	0.1635	162	26.49	0.074	0.024975	3705-RA-324-05
Personal	MCEF	Manufacturer A	Device operation - 2 drums	0.1635	162	26.49	0.00053	0	3705-RA-324-06
Personal	Hydrar	Manufacturer A	Device operation - 2 drums	0.1505	162	24.38	0.043	0.0145125	3705-RA-324-07
Personal	MCEF	Manufacturer A	Device operation - 2 drums	0.1505	162	24.38	<0.00041	0	3705-RA-324-08
Personal	Hydrar	Manufacturer A	2nd drum change	0.257	22	5.65	0.075	0.0034375	3705-RA-324-13
Personal	MCEF	Manufacturer A	2nd drum change	0.257	22	5.65	<0.0018	0	3705-RA-324-14
Area	Hydrar	Manufacturer A	By device exhaust	0.156	162	25.27	0.045	0.0151875	3705-RA-324-09
Area	MCEF	Manufacturer A	By device exhaust	0.156	162	25.27	<0.00040	0	3705-RA-324-10
Area	Hydrar	Manufacturer A	By device feed tube	0.1765	162	28.59	0.11	0.037125	3705-RA-324-11
Area	MCEF	Manufacturer A	By device feed tube	0.1765	162	28.59	0.0022	0	3705-RA-324-12
Overnight	Hydrar	Manufacturer A	By device exhaust	0.163	418	68.13	0.086	0.074891667	3705-RA-324-15
Overnight	MCEF	Manufacturer A	By device exhaust	0.163	418	68.13	<0.00015	0	3705-RA-324-16
Overnight	Hydrar	Manufacturer A	By device feed tube	0.1515	438	66.36	0.021	0.0191625	3705-RA-324-17
Overnight	MCEF	Manufacturer A	By device feed tube	0.1515	438	66.36	<0.00015	0	3705-RA-324-18
Personal	Hydrar	Manufacturer B	Device operation - 2 drums	0.23	125	28.75	0.084	0.021875	3705-DA-325-19
Personal	MCEF	Manufacturer B	Device operation - 2 drums	0.23	125	28.75	0.00059	0	3705-DA-325-20
Personal	Hydrar	Manufacturer B	Device operation - 2 drums	0.1355	125	16.94	0.016	0.004166667	3705-DA-325-21
Personal	MCEF	Manufacturer B	Device operation - 2 drums	0.1355	125	16.94	<0.00059	0	3705-DA-325-22
Personal	Hydrar	Manufacturer B	1st drum change	0.2115	12	2.54	0.13	0.00325	3705-DA-325-27
Personal	MCEF	Manufacturer B	1st drum change	0.2115	12	2.54	<0.0039	0	3705-DA-325-28

Personal	Hydrar	Manufacturer B	2nd drum change	0.2275	13	2.96	0.078	0.0021125	3705-DA-325-33
Personal	MCEF	Manufacturer B	2nd drum change	0.2275	13	2.96	<0.0034	0	3705-DA-325-34
Area	Hydrar	Manufacturer B	By device exhaust	0.136	125	17	0.035	0.009114583	3705-DA-325-23
Area	MCEF	Manufacturer B	By device exhaust	0.136	125	17	<0.00059	0	3705-DA-325-24
Area	Hydrar	Manufacturer B	By device feed tube	0.1995	125	24.94	0.07	0.018229167	3705-DA-325-25
Area	MCEF	Manufacturer B	By device feed tube	0.1995	125	24.94	<0.00040	0	3705-DA-325-26
Overnight	Hydrar	Manufacturer B	By device exhaust	0.1218	516	62.85	0.027	0.029025	3705-DA-325-29
Overnight	MCEF	Manufacturer B	By device exhaust	0.1218	516	62.85	<0.00016	0	3705-DA-325-30
Overnight	Hydrar	Manufacturer B	By device feed tube	0.1345	516	69.4	0.026	0.02795	3705-DA-325-31
Overnight	MCEF	Manufacturer B	By device feed tube	0.1345	516	69.4	<0.00014	0	3705-DA-325-32
Personal	Hydrar	Manufacturer C	Device operation - 2 drums	0.1515	196	29.69	0.03	0.01225	3705-AA-327-43
Personal	MCEF	Manufacturer C	Device operation - 2 drums	0.1515	196	29.69	<0.00034	0	3705-AA-327-44
Personal	Hydrar	Manufacturer C	Device operation - 2 drums	0.162	196	31.75	0.074	0.030216667	3705-AA-327-45
Personal	MCEF	Manufacturer C	Device operation - 2 drums	0.162	196	31.75	<0.00031	0	3705-AA-327-46
Personal	Hydrar	Manufacturer C	1st filter change	0.2455	22	5.4	0.076	0.003483333	3705-AA-327-51
Personal	MCEF	Manufacturer C	1st filter change	0.2455	22	5.4	<0.0018	0	3705-AA-327-52
Personal	Hydrar	Manufacturer C	1st drum change	0.2425	14	3.4	0.16	0.004666667	3705-AA-327-53
Personal	MCEF	Manufacturer C	1st drum change	0.2425	14	3.4	<0.0029	0	3705-AA-327-54
Personal	Hydrar	Manufacturer C	3rd filter change	0.2545	12	3.05	0.021	0.000525	3705-AA-327-59
Personal	MCEF	Manufacturer C	3rd filter change	0.2454	12	3.05	<0.0033	0	3705-AA-327-60

**Extended Field Test #1 - Phoenix, Arizona - March 24-28, 2003**

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Area	Hydrar	Manufacturer C	By device exhaust	0.149	196	29.2	0.014	0.005716667	3705-AA-327-47
Area	MCEF	Manufacturer C	By device exhaust	0.149	196	29.2	<0.00034	0	3705-AA-327-48
Area	Hydrar	Manufacturer C	By device feed tube	0.1395	196	27.34	0.071	0.028991667	3705-AA-327-49
Area	MCEF	Manufacturer C	By device feed tube	0.1395	196	27.34	<0.00037	0	3705-AA-327-50
Overnight	Hydrar	Manufacturer C	By device exhaust	0.1	776	77.6	0.0095	0.015358333	3705-AA-327-55
Overnight	MCEF	Manufacturer C	By device exhaust	0.1	776	77.6	<0.00013	0	3705-AA-327-56
Overnight	Hydrar	Manufacturer C	By device feed tube	0.1012	776	78.53	0.014	0.022633333	3705-AA-327-57
Overnight	MCEF	Manufacturer C	By device feed tube	0.1012	776	78.53	<0.00013	0	3705-AA-327-58
Personal	Hydrar	Manufacturer D	Device operation - 2 drums	0.189	21	3.97	0.13	0.0056875	3705-HA-326-35
Personal	MCEF	Manufacturer D	Device operation - 2 drums	0.189	21	3.97	<0.0025	0	3705-HA-326-36
Personal	Hydrar	Manufacturer D	Device operation - 2 drums	0.1485	21	3.12	0.11	0.0048125	3705-HA-326-37
Personal	MCEF	Manufacturer D	Device operation - 2 drums	0.1485	21	3.12	<0.0032	0	3705-HA-326-38
Area	Hydrar	Manufacturer D	By device exhaust	0.1555	21	28.92	0.065	0.0251875	3705-HA-326-39
Area	MCEF	Manufacturer D	By device exhaust	0.1555	186	28.92	<0.00035	0	3705-HA-326-40
Area	Hydrar	Manufacturer D	By device feed tube	0.1605	186	29.85	0.022	0.008525	3705-HA-326-41
Area	MCEF	Manufacturer D	By device feed tube	0.1605	186	29.85	<0.00034	0	3705-HA-326-42

**Extended Field Test #2 - Melbourne, Florida - April 29 - May 2, 2003**

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Background	Hydrar	All	18 ft N. of dock door	0.2175	298	64.8	0.012	0.00745	3705-B-429-03
Background	MCEF	All	18 ft N. of dock door	0.2175	298	64.8	<0.00015	0	3705-B-429-04
Background	Hydrar	All	24 ft E. of dock door	0.20525	298	61.16	0.016	0.009933333	3705-B-429-01
Background	MCEF	All	24 ft E. of dock door	0.20525	298	61.16	<0.00016	0	3705-B-429-02
Personal	Hydrar	Manufacturer A	Device operation (LS) - 2 drums	0.154	142	21.87	0.018	0.005325	3705-RA-51-61
Personal	MCEF	Manufacturer A	Device operation (LS) - 2 drums	0.154	142	21.87	<0.00046	0	3705-RA-51-62
Personal	Hydrar	Manufacturer A	Device operation (RS) - 1st drum	0.1515	79	11.97	0.026	0.004279167	3705-RA-51-65
Personal	MCEF	Manufacturer A	Device operation (RS) - 1st drum	0.1515	79	11.97	<0.00083	0	3705-RA-51-66
Personal	Hydrar	Manufacturer A	Device operation (LS) - 1st drum	0.1495	79	11.81	0.024	0.00395	3705-RA-51-63
Personal	MCEF	Manufacturer A	Device operation (LS) - 1st drum	0.1495	79	11.81	<0.00085	0	3705-RA-51-64
Personal	Hydrar	Manufacturer A	Device operation (RS) - 2nd drum	0.15	63	9.45	0.016	0.0021	3705-RA-51-81
Personal	MCEF	Manufacturer A	Device operation (RS) - 2nd drum	0.15	63	9.45	<0.0011	0	3705-RA-51-82
Personal	Hydrar	Manufacturer A	Device operation (LS) - 2nd drum	0.148	63	9.32	0.017	0.00223125	3705-RA-51-79
Personal	MCEF	Manufacturer A	Device operation (LS) - 2nd drum	0.148	63	9.32	<0.0011	0	3705-RA-51-80
Personal	Hydrar	Manufacturer A	1st drum change	0.256	12	3.07	0.075	0.001875	3705-RA-51-71
Personal	MCEF	Manufacturer A	1st drum change	0.256	12	3.07	<0.0033	0	3705-RA-51-72
Personal	Hydrar	Manufacturer A	2nd drum change	0.2485	12	2.98	0.081	0.002025	3705-RA-51-43
Personal	MCEF	Manufacturer A	2nd drum change	0.2485	12	2.98	<0.0034	0	3705-RA-51-44
Personal	Hydrar	Manufacturer A	Ceiling #1 - 1st drum change	0.253	4	1.01	0.17	0.001416667	3705-RA-51-75
Personal	MCEF	Manufacturer A	Ceiling #1 - 1st drum change	0.253	4	1.01	<0.0099	0	3705-RA-51-76
Personal	Hydrar	Manufacturer A	Ceiling #2 - 1st drum change	0.253	4	1.01	0.11	0.000916667	3705-RA-51-77
Personal	MCEF	Manufacturer A	Ceiling #2 - 1st drum change	0.253	4	1.01	<0.0099	0	3705-RA-51-78
Area	Hydrar	Manufacturer A	By device exhaust	0.1565	142	22.22	0.018	0.005325	3705-RA-51-67
Area	MCEF	Manufacturer A	By device exhaust	0.1565	142	22.22	<0.00045	0	3705-RA-51-68
<b>Extended Field Test #2 - Melbourne, Florida - April 29 - May 2, 2003</b>									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Area	Hydrar	Manufacturer A	By device feed tube	0.1555	142	22.08	0.0063	0.00186375	3705-RA-51-69
Area	MCEF	Manufacturer A	By device feed tube	0.1555	142	22.08	<0.00045	0	3705-RA-51-70
Overnight	Hydrar	Manufacturer A	By device exhaust	0.154	874	134.6	0.013	0.023670833	3705-RA-51-83
Overnight	MCEF	Manufacturer A	By device exhaust	0.154	874	134.6	<0.00007	0	3705-RA-51-84
Overnight	Hydrar	Manufacturer A	By device feed tube	0.154	874	134.6	0.013	0.023670833	3705-RA-51-85
Overnight	MCEF	Manufacturer A	By device feed tube	0.154	874	134.6	<0.00007	0	3705-RA-51-86
Overnight	Hydrar	Manufacturer A	Outside containment	0.1575	874	137.66	0.017	0.030954167	3705-RA-51-87
Overnight	MCEF	Manufacturer A	Outside containment	0.1575	874	137.66	<0.00007	0	3705-RA-51-88
Personal	Hydrar	Manufacturer B	Device operation (RS) - 2 drums	0.15833	163	25.81	0.14	0.047541667	3705-DA-429-05
Personal	MCEF	Manufacturer B	Device operation (RS) - 2 drums	0.15833	163	25.81	0.00066	0	3705-DA-429-06
Personal	Hydrar	Manufacturer B	Device operation (LS) - 2 drums	0.14867	163	24.23	0.12	0.04075	3705-DA-429-07
Personal	MCEF	Manufacturer B	Device operation (LS) - 2 drums	0.14867	163	24.23	<0.00041	0	3705-DA-429-08
Personal	Hydrar	Manufacturer B	1st drum change	0.2535	12	3.04	0.015	0.000375	3705-DA-429-13

Personal	MCEF	Manufacturer B	1st drum change	0.2535	12	3.04	<0.0033	0	3705-DA-429-14
Personal	Hydrar	Manufacturer B	2nd drum change	0.254	20	5.08	0.041	0.001708333	3705-DA-429-15
Personal	MCEF	Manufacturer B	2nd drum change	0.254	20	5.08	<0.0020	0	3705-DA-429-16
Personal	Hydrar	Manufacturer B	Ceiling #1 - 2nd drum change	0.2535	4	1.01	0.23	0.001916667	3705-DA-429-23
Personal	MCEF	Manufacturer B	Ceiling #1 - 2nd drum change	0.2535	4	1.01	<0.0099	0	3705-DA-429-24
Personal	Hydrar	Manufacturer B	Ceiling #2 - 2nd drum change	0.2535	4	1.01	0.64	0.005333333	3705-DA-429-25
Personal	MCEF	Manufacturer B	Ceiling #2 - 2nd drum change	0.2535	4	1.01	<0.0099	0	3705-DA-429-26
Area	Hydrar	Manufacturer B	By device exhaust	0.153	163	24.94	0.13	0.044145833	3705-DA-429-09
Area	MCEF	Manufacturer B	By device exhaust	0.153	163	24.94	0.00072	0.0002445	3705-DA-429-10
Area	Hydrar	Manufacturer B	By device feed tube	0.154	163	25.1	0.27	0.0916875	3705-DA-429-11
Area	MCEF	Manufacturer B	By device feed tube	0.154	163	25.1	0.0019	0.000645208	3705-DA-429-12
Overnight	Hydrar	Manufacturer B	By device exhaust	0.147	714	104.96	0.035	0.0520625	3705-DA-429-17
Overnight	MCEF	Manufacturer B	By device exhaust	0.147	714	104.96	<0.00009	0	3705-DA-429-18
Overnight	Hydrar	Manufacturer B	By device feed tube	0.149	714	106.39	0.036	0.05355	3705-DA-429-19
Overnight	MCEF	Manufacturer B	By device feed tube	0.149	714	106.39	<0.00009	0	3705-DA-429-20
Overnight	Hydrar	Manufacturer B	Outside containment	0.153	714	109.24	0.021	0.0312375	3705-DA-429-21
Overnight	MCEF	Manufacturer B	Outside containment	0.153	714	109.24	<0.00009	0	3705-DA-429-22
Personal	Hydrar	Manufacturer B	Device operation (RS) - 1 drum	0.1535	56	8.6	0.088	0.010266667	3705-DA-52-91
Personal	MCEF	Manufacturer B	Device operation (RS) - 1 drum	0.1535	56	8.6	<0.0012	0	3705-DA-52-92
Personal	Hydrar	Manufacturer B	Device operation (LS) - 1 drum	0.1535	56	8.6	0.094	0.010966667	3705-DA-52-89
Personal	MCEF	Manufacturer B	Device operation (LS) - 1 drum	0.1535	56	8.6	<0.0012	0	3705-DA-52-90
Area	Hydrar	Manufacturer B	By device exhaust	0.1525	57	8.69	0.076	0.009025	3705-DA-52-93
Area	MCEF	Manufacturer B	By device exhaust	0.1525	57	8.69	<0.0012	0	3705-DA-52-94
Area	Hydrar	Manufacturer B	By device feed tube	0.152	57	8.66	0.09	0.0106875	3705-DA-52-95
Area	MCEF	Manufacturer B	By device feed tube	0.152	57	8.66	<0.0012	0	3705-DA-52-96
Personal	Hydrar	Manufacturer B	3rd drum change	0.256	12	3.07	0.2	0.005	3705-DA-52-97
Personal	MCEF	Manufacturer B	3rd drum change	0.256	12	3.07	<0.0033	0	3705-DA-52-98
Personal	Hydrar	Manufacturer C	Device operation (LS) - 2 drums	0.154	145	22.33	0.063	0.01903125	3705-AA-430-27
Personal	MCEF	Manufacturer C	Device operation (LS) - 2 drums	0.154	145	22.33	<0.00045	0	3705-AA-430-28
Personal	Hydrar	Manufacturer C	Device operation (RS) - 1st drum	0.1545	81	12.51	0.0047	0.000793125	3705-AA-430-29
Personal	MCEF	Manufacturer C	Device operation (RS) - 1st drum	0.1545	81	12.51	<0.00080	0	3705-AA-430-30
<b>Extended Field Test #2 - Melbourne, Florida - April 29 - May 2, 2003</b>									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Personal	Hydrar	Manufacturer C	Device operation (LS) - 1st drum	0.153	81	12.39	0.07	0.0118125	3705-AA-430-31
Personal	MCEF	Manufacturer C	Device operation (LS) - 1st drum	0.153	81	12.39	<0.00081	0	3705-AA-430-32
Personal	Hydrar	Manufacturer C	Device operation (RS) - 2nd drum	0.1555	67	10.42	0.034	0.004745833	3705-AA-430-55
Personal	MCEF	Manufacturer C	Device operation (RS) - 2nd drum	0.1555	67	10.42	<0.00096	0	3705-AA-430-56
Personal	Hydrar	Manufacturer C	Device operation (LS) - 2nd drum	0.1505	67	10.08	0.052	0.007258333	3705-AA-430-57
Personal	MCEF	Manufacturer C	Device operation (LS) - 2nd drum	0.1505	67	10.08	<0.00099	0	3705-AA-430-58
Personal	Hydrar	Manufacturer C	1st filter change	0.2485	12	2.98	0.064	0.0016	3705-AA-430-37
Personal	MCEF	Manufacturer C	1st filter change	0.2485	12	2.98	<0.0034	0	3705-AA-430-38

Personal	Hydrar	Manufacturer C	1st drum change	0.2485	17	4.22	0.11	0.003895833	3705-AA-430-39
Personal	MCEF	Manufacturer C	1st drum change	0.2485	17	4.22	<0.0024	0	3705-AA-430-40
Personal	Hydrar	Manufacturer C	3rd filter change	0.2485	12	2.98	0.06	0.0015	3705-AA-430-41
Personal	MCEF	Manufacturer C	3rd filter change	0.2485	12	2.98	<0.0034	0	3705-AA-430-42
Personal	Hydrar	Manufacturer C	2nd drum change	0.2555	12	3.07	0.036	0.0009	3705-AA-430-59
Personal	MCEF	Manufacturer C	2nd drum change	0.2555	12	3.07	<0.0033	0	3705-AA-430-60
Personal	Hydrar	Manufacturer C	Ceiling #1 - 1st drum change	0.2475	4	0.99	0.12	0.001	3705-AA-430-45
Personal	MCEF	Manufacturer C	Ceiling #1 - 1st drum change	0.2475	4	0.99	<0.010	0	3705-AA-430-46
Personal	Hydrar	Manufacturer C	Ceiling #2 - 1st drum change	0.2475	4	0.99	0.26	0.002166667	3705-AA-430-47
Personal	MCEF	Manufacturer C	Ceiling #2 - 1st drum change	0.2475	4	0.99	<0.010	0	3705-AA-430-48
Area	Hydrar	Manufacturer C	By device exhaust	0.154	148	22.79	0.048	0.0148	3705-AA-430-33
Area	MCEF	Manufacturer C	By device exhaust	0.154	148	22.79	<0.00044	0	3705-AA-430-34
Area	Hydrar	Manufacturer C	By device feed tube	0.154	148	22.79	0.048	0.0148	3705-AA-430-35
Area	MCEF	Manufacturer C	By device feed tube	0.154	148	22.79	<0.00044	0	3705-AA-430-36
Overnight	Hydrar	Manufacturer C	By device exhaust	0.152	991	150.63	0.019	Past 8 hr	3705-AA-430-49
Overnight	MCEF	Manufacturer C	By device exhaust	0.152	991	150.63	<0.00007	0	3705-AA-430-50
Overnight	Hydrar	Manufacturer C	By device feed tube	0.1505	991	149.15	0.021	Past 8 hr	3705-AA-430-51
Overnight	MCEF	Manufacturer C	By device feed tube	0.1505	991	149.15	<0.00007	0	3705-AA-430-52
Overnight	Hydrar	Manufacturer C	Outside containment	0.1555	991	154.1	0.016	Past 8 hr	3705-AA-430-53
Overnight	MCEF	Manufacturer C	Outside containment	0.1555	991	154.1	<0.00006	0	3705-AA-430-54

**Extended Field Test #3 - Ashland, Virginia - June 9-13, 2003**

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Background	Hydrar	All	E. bay near door to W. bay	0.205	264	54.1	0.0086	0.00473	3705-BA-69-03
Background	MCEF	All	E. bay near door to W. bay	0.205	264	54.1	<0.00018	0	3705-BA-69-04
Background	Hydrar	All	Middle of E. bay	0.221	264	58.3	0.013	0.00715	3705-BA-69-01
Background	MCEF	All	Middle of E. bay	0.221	264	58.3	<0.00017	0	3705-BA-69-02
Personal	Hydrar	AERC	AERC personnel sample	0.202	89	18	0.089	0.016502083	3705-FA-611-113
Personal	MCEF	AERC	AERC personnel sample	0.202	89	18	0.0023	0.000426458	3705-FA-611-114
Personal	Hydrar	AERC	AERC personnel sample	0.202	89	18	0.073	0.013535417	3705-FA-611-115
Personal	MCEF	AERC	AERC personnel sample	0.202	89	18	0.0023	0.000426458	3705-FA-611-116
Personal	Hydrar	Manufacturer A	Device operation (LS) - 2 drums	0.195	129	25.2	0.0093	0.002499375	3705-RA-610-05
Personal	MCEF	Manufacturer A	Device operation (LS) - 2 drums	0.195	129	25.2	<0.00040	0.000618125	3705-RA-610-06
Personal	Hydrar	Manufacturer A	Device operation (RS) - 1st drum	0.202	67	13.5	0.011	0.001535417	3705-RA-610-09
Personal	MCEF	Manufacturer A	Device operation (RS) - 1st drum	0.202	67	13.5	<0.00074	0	3705-RA-610-10

**Extended Field Test #3 - Ashland, Virginia - June 9-13, 2003**

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Personal	Hydrar	Manufacturer A	Device operation (LS) - 1st drum	0.2	67	13.4	0.0062	0.000865417	3705-RA-610-07
Personal	MCEF	Manufacturer A	Device operation (LS) - 1st drum	0.2	67	13.4	<0.00075	0	3705-RA-610-08
Personal	Hydrar	Manufacturer A	Device operation (RS) - 2nd drum	0.198	62	12.3	0.015	0.0019375	3705-RA-610-25

Personal	MCEF	Manufacturer A	Device operation (RS) - 2nd drum	0.198	62	12.3	<0.00081	0	3705-RA-610-26
Personal	Hydrar	Manufacturer A	Device operation (LS) - 2nd drum	0.198	62	12.3	0.015	0.0019375	3705-RA-610-23
Personal	MCEF	Manufacturer A	Device operation (LS) - 2nd drum	0.198	62	12.3	<0.00081	0	3705-RA-610-24
Personal	Hydrar	Manufacturer A	1st drum change	0.259	12	3.1	0.013	0.000325	3705-RA-610-15
Personal	MCEF	Manufacturer A	1st drum change	0.259	12	3.1	<0.0032	0	3705-RA-610-16
Personal	Hydrar	Manufacturer A	2nd drum change	0.259	12	3.1	0.025	0.000625	3705-RA-610-17
Personal	MCEF	Manufacturer A	2nd drum change	0.259	12	3.1	<0.0032	0	3705-RA-610-18
Personal	Hydrar	Manufacturer A	Ceiling #1 - 1st drum change	0.251	4	1	0.05	0.000416667	3705-RA-610-19
Personal	MCEF	Manufacturer A	Ceiling #1 - 1st drum change	0.251	4	1	<0.010	0	3705-RA-610-20
Personal	Hydrar	Manufacturer A	Ceiling #2 - 1st drum change	0.251	4	1	0.047	0.000391667	3705-RA-610-21
Personal	MCEF	Manufacturer A	Ceiling #2 - 1st drum change	0.251	4	1	<0.010	0	3705-RA-610-22
Personal	Hydrar	Manufacturer A	By device exhaust	0.201	145	29.1	0.01	0.003020833	3705-RA-610-11
Area	MCEF	Manufacturer A	By device exhaust	0.201	145	29.1	<0.00034	0	3705-RA-610-12
Area	Hydrar	Manufacturer A	By device feed tube	0.201	145	29.1	0.011	0.003322917	3705-RA-610-13
Area	MCEF	Manufacturer A	By device feed tube	0.201	145	29.1	<0.00034	0	3705-RA-610-14
Area	Hydrar	Manufacturer A	By device exhaust	0.155	145	55.8	0.0066	0.00495	3705-RA-610-27
Overnight	MCEF	Manufacturer A	By device exhaust	0.155	360	55.8	<0.00018	0	3705-RA-610-28
Overnight	Hydrar	Manufacturer A	By device feed tube	0.152	360	54.7	0.012	0.009	3705-RA-610-29
Overnight	MCEF	Manufacturer A	By device feed tube	0.152	360	54.7	<0.00018	0	3705-RA-610-30
Overnight	Hydrar	Manufacturer A	Outside containment	0.156	360	56.2	0.017	0.01275	3705-RA-610-31
Overnight	MCEF	Manufacturer A	Outside containment	0.156	360	56.2	<0.00018	0	3705-RA-610-32
Overnight	Hydrar	Manufacturer A	Device operation (LS) - 2 drums	0.198	97	19.2	0.064	0.012933333	3705-RA-611-55
Personal	MCEF	Manufacturer B	Device operation (LS) - 2 drums	0.198	97	19.2	<0.00052	0	3705-RA-611-56
Personal	Hydrar	Manufacturer B	Device operation (RS) - 1st drum	0.2	59	11.8	0.076	0.009341667	3705-RA-611-59
Personal	MCEF	Manufacturer B	Device operation (RS) - 1st drum	0.2	59	11.8	<0.00085	0	3705-RA-611-60
Personal	Hydrar	Manufacturer B	Device operation (LS) - 1st drum	0.198	59	11.7	0.058	0.007129167	3705-RA-611-57
Personal	MCEF	Manufacturer B	Device operation (LS) - 1st drum	0.198	59	11.7	<0.00085	0	3705-RA-611-58
Personal	Hydrar	Manufacturer B	Device operation (RS) - 2nd drum	0.204	27	5.5	0.11	0.0061875	3705-DA-611-75
Personal	MCEF	Manufacturer B	Device operation (RS) - 2nd drum	0.204	27	5.5	<0.0018	0	3705-DA-611-76
Personal	Hydrar	Manufacturer B	Device operation (LS) - 2nd drum	0.202	38	7.7	0.081	0.0064125	3705-DA-611-73
Personal	MCEF	Manufacturer B	Device operation (LS) - 2nd drum	0.202	38	7.7	<0.0013	0	3705-DA-611-74
Personal	Hydrar	Manufacturer B	1st drum change	0.26	20	5.2	0.2	0.008333333	3705-DA-611-65
Personal	MCEF	Manufacturer B	1st drum change	0.26	20	5.2	<0.0019	0	3705-DA-611-66
Personal	Hydrar	Manufacturer B	2nd drum change	0.26	12	3.1	0.065	0.001625	3705-DA-611-67
Personal	MCEF	Manufacturer B	2nd drum change	0.26	12	3.1	<0.0032	0	3705-DA-611-68
Personal	Hydrar	Manufacturer B	Ceiling #1 - 1st drum change	0.2555	4	1	0.1	0.000833333	3705-DA-611-69
Personal	MCEF	Manufacturer B	Ceiling #1 - 1st drum change	0.2555	4	1	<0.010	0	3705-DA-611-70
Personal	Hydrar	Manufacturer B	Ceiling #2 - 1st drum change	0.2555	4	1	0.19	0.001583333	3705-DA-611-71
Personal	MCEF	Manufacturer B	Ceiling #2 - 1st drum change	0.2555	4	1	<0.010	0	3705-DA-611-72
Area	Hydrar	Manufacturer B	By device exhaust	0.203	99	20.1	0.074	0.0152625	3705-DA-611-61
Area	MCEF	Manufacturer B	By device exhaust	0.203	99	20.1	<0.00050	0	3705-DA-611-62

**Extended Field Test #3 - Ashland, Virginia - June 9-13, 2003**

Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Area	Hydrar	Manufacturer B	By device feed tube	0.21	99	20.8	0.047	0.00969375	3705-DA-611-63
Area	MCEF	Manufacturer B	By device feed tube	0.21	99	20.8	<0.00048	0	3705-DA-611-64
Overnight	Hydrar	Manufacturer B	By device exhaust	0.157	802	125.9	0.00052	0.000868833	3705-DA-611-77
Overnight	MCEF	Manufacturer B	By device exhaust	0.157	802	125.9	<0.00008	0	3705-DA-611-78
Overnight	Hydrar	Manufacturer B	By device feed tube	0.154	802	123.5	0.049	0.081870833	3705-DA-611-79
Overnight	MCEF	Manufacturer B	By device feed tube	0.154	802	123.5	<0.00008	0	3705-DA-611-80
Overnight	Hydrar	Manufacturer B	Outside containment	0.141	802	113.1	0.00052	0.000868833	3705-DA-611-81
Overnight	MCEF	Manufacturer B	Outside containment	0.141	802	113.1	<0.0009	0	3705-DA-611-82
Personal	Hydrar	Manufacturer C	Device operation (LS) - 2 drums	0.202	131	26.5	0.0219	0.007914583	3705-AA-612-117
Personal	MCEF	Manufacturer C	Device operation (LS) - 2 drums	0.202	131	26.5	<0.00038	0	3705-AA-612-118
Personal	Hydrar	Manufacturer C	Device operation (RS) - 1st drum	0.211	79	16.7	0.053	0.008722917	3705-AA-612-121
Personal	MCEF	Manufacturer C	Device operation (RS) - 1st drum	0.211	79	16.7	<0.00060	0	3705-AA-612-122
Personal	Hydrar	Manufacturer C	Device operation (LS) - 1st drum	0.2	79	15.8	0.049	0.008064583	3705-AA-612-119
Personal	MCEF	Manufacturer C	Device operation (LS) - 1st drum	0.2	79	15.8	<0.00063	0	3705-AA-612-120
Personal	Hydrar	Manufacturer C	Device operation (RS) - 2nd drum	0.212	52	11	0.039	0.004225	3705-AA-612-137
Personal	MCEF	Manufacturer C	Device operation (RS) - 2nd drum	0.212	52	11	<0.00091	0	3705-AA-612-138
Personal	Hydrar	Manufacturer C	Device operation (LS) - 2nd drum	0.198	52	10.3	0.039	0.004225	3705-AA-612-135
Personal	MCEF	Manufacturer C	Device operation (LS) - 2nd drum	0.198	52	10.3	<0.0097	0	3705-AA-612-136
Personal	Hydrar	Manufacturer C	1st filter change	0.255	12	3.1	0.055	0.001375	3705-AA-612-127
Personal	MCEF	Manufacturer C	1st filter change	0.255	12	3.1	<0.0032	0	3705-AA-612-128
Personal	Hydrar	Manufacturer C	1st drum change	0.255	12	3.1	0.15	0.00375	3705-AA-612-129
Personal	MCEF	Manufacturer C	1st drum change	0.255	12	3.1	<0.0032	0	3705-AA-612-130
Personal	Hydrar	Manufacturer C	3rd filter change	0.255	12	3.1	0.17	0.00425	3705-AA-612-165
Personal	MCEF	Manufacturer C	3rd filter change	0.255	12	3.1	<0.0032	0	3705-AA-612-166
Personal	Hydrar	Manufacturer C	2nd drum change	0.255	13	3.3	0.094	0.002545833	3705-AA-612-167
Personal	MCEF	Manufacturer C	2nd drum change	0.255	13	3.3	<0.0030	0	3705-AA-612-168
Personal	Hydrar	Manufacturer C	Ceiling #1 - 1st drum change	0.26	4	1	0.19	0.001583333	3705-AA-612-131
Personal	MCEF	Manufacturer C	Ceiling #1 - 1st drum change	0.26	4	1	<0.010	0	3705-AA-612-132
Personal	Hydrar	Manufacturer C	Ceiling #2 - 1st drum change	0.26	4	1	0.22	0.001833333	3705-AA-612-133
Personal	MCEF	Manufacturer C	Ceiling #2 - 1st drum change	0.26	4	1	<0.010	0	3705-AA-612-134
Area	Hydrar	Manufacturer C	By device exhaust	0.2	132	26.4	0.041	0.011275	3705-AA-612-123
Area	MCEF	Manufacturer C	By device exhaust	0.2	132	26.4	<0.00038	0	3705-AA-612-124
Area	Hydrar	Manufacturer C	By device feed tube	0.201	132	26.5	0.00075	0.00020625	3705-AA-612-125
Area	MCEF	Manufacturer C	By device feed tube	0.201	132	26.5	<0.00038	0	3705-AA-612-126
Overnight	Hydrar	Manufacturer C	By device exhaust	0.144	821	118.2	0.057	Past 8 hr	3705-AA-612-139
Overnight	MCEF	Manufacturer C	By device exhaust	0.144	821	118.2	<0.00008	0	3705-AA-612-140
Overnight	Hydrar	Manufacturer C	By device feed tube	0.157	821	128.9	0.058	Past 8 hr	3705-AA-612-141
Overnight	MCEF	Manufacturer C	By device feed tube	0.157	821	128.9	<0.00008	0	3705-AA-612-142
Overnight	Hydrar	Manufacturer C	Outside containment	0.15	821	123.1	0.044	Past 8 hr	3705-AA-612-143
Overnight	MCEF	Manufacturer C	Outside containment	0.15	821	123.1	<0.00008	0	3705-AA-612-144

Box Test - Ashland, Virginia									
Type	Media	Device	Location	Flow Rate (lpm)	Sample Time (min)	Volume (liters)	Result (mg/m3)	Adjusted 8 hr TWA	Sample #
Box test	Hydrar	Manufacturer A	E. side of containment	0.199	64	12.7	0.018	0.0024	3705-TA-610-47
Box test	MCEF	Manufacturer A	E. side of containment	0.199	64	12.7	<0.00079	0	3705-TA-610-48
Box test	Hydrar	Manufacturer A	W. side of containment	0.203	64	13	0.1	0.013333333	3705-TA-610-49
Box test	MCEF	Manufacturer A	W. side of containment	0.203	64	13	<0.00077	0	3705-TA-610-50
Box test	Hydrar	Manufacturer B	E. side of containment	0.201	36	7.2	0.12	0.009	3705-TA-610-109
Box test	MCEF	Manufacturer B	E. side of containment	0.201	36	7.2	<0.0014	0	3705-TA-610-110
Box test	Hydrar	Manufacturer B	W. side of containment	0.199	36	7.2	0.12	0.009	3705-TA-610-111
Box test	MCEF	Manufacturer B	W. side of containment	0.199	36	7.2	<0.0014	0	3705-TA-610-112
Box test	Hydrar	Manufacturer C	E. side of containment	0.201	45	9	0.05	0.0046875	3705-TA-610-167
Box test	MCEF	Manufacturer C	E. side of containment	0.201	45	9	<0.0011	0	3705-TA-610-168
Box test	Hydrar	Manufacturer C	W. side of containment	0.201	45	9	0.014	0.0013125	3705-TA-610-169
Box test	MCEF	Manufacturer C	W. side of containment	0.201	45	9	<0.0010	0	3705-TA-610-170
"U" Tube Test - Ashland, Virginia									
Personal	Hydrar	Manufacturer B	"U" tubes - device operation (LS)	0.2	12	2.4	0.1	0.0025	3705-DA-611-83
Personal	MCEF	Manufacturer B	"U" tubes - device operation (LS)	0.2	12	2.4	<0.0042	0	3705-DA-611-84
Personal	Hydrar	Manufacturer B	"U" tubes - device operation (RS)	0.197	12	2.4	0.018	0.00045	3705-DA-611-85
Personal	MCEF	Manufacturer B	"U" tubes - device operation (RS)	0.197	12	2.4	<0.0042	0	3705-DA-611-86
Area	Hydrar	Manufacturer B	"U" tubes - by device exhaust	0.198	12	2.4	0.083	0.002075	3705-DA-611-87
Area	MCEF	Manufacturer B	"U" tubes - by device exhaust	0.198	12	2.4	<0.0042	0	3705-DA-611-88
Area	Hydrar	Manufacturer B	"U" tubes - by device feed tube	0.205	12	2.5	0.092	0.0023	3705-DA-611-89
Area	MCEF	Manufacturer B	"U" tubes - by device feed tube	0.205	12	2.5	<0.0040	0	3705-DA-611-90
Personal	Hydrar	Manufacturer C	"U" tubes - device operation (LS)	0.209	14	2.9	0.11	0.003208333	3705-AA-612-171
Personal	MCEF	Manufacturer C	"U" tubes - device operation (LS)	0.209	14	2.9	<0.0034	0	3705-AA-612-172
Personal	Hydrar	Manufacturer C	"U" tubes - device operation (RS)	0.207	14	2.9	0.026	0.000758333	3705-AA-612-173
Personal	MCEF	Manufacturer C	"U" tubes - device operation (RS)	0.207	14	2.9	<0.0034	0	3705-AA-612-174
Area	Hydrar	Manufacturer C	"U" tubes - by device exhaust	0.205	14	2.8	0.046	0.001341667	3705-AA-612-175
Area	MCEF	Manufacturer C	"U" tubes - by device exhaust	0.205	14	2.8	<0.0036	0	3705-AA-612-176
Area	Hydrar	Manufacturer C	"U" tubes - by device feed tube	0.201	14	2.8	0.05	0.001458	3705-AA-612-177
Area	MCEF	Manufacturer C	"U" tubes - by device feed tube	0.201	14	2.8	<0.0036	0	3705-AA-612-178