

APPENDIX B

SW-846 METHOD 0030 (VOST) DATA

TABLE B-1
DRYER 4 VOC EMISSION CONCENTRATION - NO PRODUCT

SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1114-1154	1215-1255	1520-1600	1752-1822	Average
Emission Concentration (ug/dscm)					
2-butanone	4.05	3.44	4.39	4.81	4.17
Benzene	0.5	13.7	13.8	13.9	10.5
2-hexanone	2.19	3.35	2.58	3.21	2.83
Ethyl benzene	<0.55	1.01	2.72	0.90	1.29
m,p-xylene	<0.55	3.10	9.64	2.91	4.05
o-xylene	<0.55	1.34	3.15	1.20	1.56

TABLE B-2
DRYER 4 VOC MASS EMISSION RATE - NO PRODUCT

SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1114-1154	1215-1255	1520-1600	1752-1822	Average
Emission Rate (lb/hour)					
2-butanone	1.39E-04	1.18E-04	1.50E-04	1.65E-04	1.43E-04
Benzene	1.87E-05	4.69E-04	4.74E-04	4.75E-04	3.59E-04
2-hexanone	7.50E-05	1.15E-04	8.82E-05	1.10E-04	9.69E-05
Ethyl benzene	<1.87E-05	<3.44E-05	<9.31E-05	<3.09E-05	<4.43E-05
m,p-xylene	<1.87E-05	<1.06E-04	<3.30E-04	<9.95E-05	<1.39E-04
o-xylene	<1.87E-05	<4.59E-05	<1.08E-04	<4.12E-05	<5.34E-05

TABLE B-3
DRYER 4 VOC EMISSION CONCENTRATION
NORMAL OPERATION
SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1235-1315	1338-1418	1431-1511	1529-1609	Average
Emission Concentration (ug/dscm)					
2-butanone	25.6	105.4	17.4	92.2	60.1
Benzene	<36.8	45.9	11.2	17.7	27.9
2-hexanone	77.7	110.2	10.9	16.0	53.7
Ethyl benzene	<5.1	<4.8	<22.1	<16.6	<12.1
m,p-xylene	<5.1	<4.8	<22.1	<16.6	<12.1
o-xylene	<5.1	<4.8	<22.1	<16.6	<12.1

TABLE B-4
DRYER 4 VOC MASS EMISSION RATES
NORMAL OPERATION
SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1235-1315	1338-1418	1431-1511	1529-1609	Average
Emission Rate (lb/hour)					
2-butanone	9.35E-04	3.86E-03	6.39E-04	3.37E-03	2.20E-03
Benzene	<1.35E-03	1.68E-03	4.08E-04	6.47E-04	1.02E-03
2-hexanone	2.84E-03	4.04E-03	3.98E-04	5.84E-04	1.97E-03
Ethyl benzene	<1.87E-04	<1.77E-04	<8.09E-04	<6.06E-04	<4.45E-04
m,p-xylene	<1.87E-04	<1.77E-04	<8.09E-04	<6.06E-04	<4.45E-04
o-xylene	<1.87E-04	<1.77E-04	<8.09E-04	<6.06E-04	<4.45E-04

TABLE B-5
DRYER 5 VOC EMISSION CONCENTRATIONS - NO PRODUCT

SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1015-1055	1330-1410	1428-1508	1643-1723	Average
Emission Concentration (ug/dscm)					
2-butanone	4.44	4.91	7.36	2.20	4.73
Benzene	5.01	6.56	5.98	3.75	5.32
2-hexanone	6.42	8.25	8.58	2.03	6.32
Ethyl benzene	0.63	0.51	0.51	<0.44	0.52
m,p-xylene	1.93	1.44	1.53	1.01	1.48
o-xylene	0.84	0.63	0.61	<0.44	0.63

TABLE B-6
DRYER 5 VOC MASS EMISSION RATES - NO PRODUCT

SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	VOST-1	VOST-2	VOST-3	VOST-4	
Sampling Time	1015-1055	1330-1410	1428-1508	1643-1723	Average
Emission Rate (lb/hour)					
2-butanone	1.23E-04	1.36E-04	2.04E-04	6.10E-05	1.31E-04
Benzene	1.39E-04	1.82E-04	1.66E-04	1.04E-04	1.47E-04
2-hexanone	1.78E-04	2.28E-04	2.38E-04	5.61E-05	1.75E-04
Ethyl benzene	1.73E-05	1.41E-05	1.41E-05	<1.22E-05	1.44E-05
m,p-xylene	5.35E-05	3.98E-05	4.24E-05	2.81E-05	4.10E-05
o-xylene	2.31E-05	1.76E-05	1.70E-05	<1.22E-05	1.75E-05

TABLE B-7
DRYER 5 VOC EMISSION CONCENTRATIONS
OIL FIRED DRYER WITHOUT PRODUCT
SW-846 Method 0030 (VOST)
Omya - Florence, Vermont - May 3, 2006

Test ID	D5-5	D5-6	D5-7	D5-8	
Sampling Time	0829-0900	0927-1007	1021-1101	1122-1202	Average
Emission Concentration (ug/dscm)					
2-butanone	63.6	46.3	192.1	86.9	97.2
Benzene	11.4	13.0	17.1	37.6	19.8
2-hexanone	112	76.0	142	74.8	101
Ethyl benzene	<0.61	0.55	1.65	<10.10	3.23
m,p-xylene	1.35	1.28	2.66	<10.10	3.85
o-xylene	0.79	0.78	2.02	<10.10	3.42