Blasting Pilot Test, Building Material Bulk Sampling

The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Toxic Substance Control Act Disposal Limit**	**Residential Bulk Sampling Clearance Standard**	**Bulk PCB Remediation Waste High Occupancy Area**	**High Occupany Cleanup Level**	**B11-1-CF2**	**B11-1-CF2-P4**	**B11-1-CF2-P5**	**B11-1-CCL1**	**B11-1-CCL1-P4**	**B11-1-CCL1-P5**	**B11-1-CC1**	**B11-1-CC1-P4**	**B11-1-CC1-P5**	**B11-1-BW1**	**B11-1-BW1-P4**	**B11-1-BW1-P5**
Sample Date					8/23/2017	8/28/2017	8/28/2017	8/23/2017	8/30/2017	8/30/2017	3/9/2017	8/28/2017	8/28/2017	3/9/2017	8/30/2017	8/30/2017
Building					Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11
Floor					1	1	1	1	1	1	1	1	1	1	1	1
Media					Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Brick	Brick	Brick
Pilot Test					Baseline	Post 3060 Coal Slag Blasting	Post 2040 Coal Slag Blasting	Baseline	Post 3060 Coal Slag Blasting	Post 2040 Coal Slag Blasting	Baseline	Post 3060 Coal Slag Blasting	Post 2040 Coal Slag Blasting	Baseline	Post 3060 Coal Slag Blasting	Post 2040 Coal Slag Blasting
Surface Sampled					Floor	Floor	Floor	Ceiling	Ceiling	Ceiling	Column	Column	Column	Wall	Wall	Wall
Painted, Unpainted, Epoxy Surface					Unpainted	Unpainted	Unpainted	Unpainted	Unpainted	Unpainted	Painted	Unpainted	Unpainted	Painted	Unpainted	Unpainted
PCBs (mg/kg)																
Aroclor 1016	---	---	---	---	<0.057	<0.031	<0.030	<5.7	<1.1	<1.2	<31	<0.30	<0.029	<63	<6.0	<5.9
Aroclor 1221	---	---	---	---	<0.071	<0.038	<0.037	<7.1	<1.4	<1.5	<38	<0.37	<0.036	<79	<7.4	<7.3
Aroclor 1232	---	---	---	---	<0.070	<0.038	<0.037	<7.1	<1.4	<1.5	<38	<0.36	<0.036	<78	<7.3	<7.2
Aroclor 1242	---	---	---	---	<0.053	<0.029	<0.028	<5.3	<1.1	<1.1	<29	<0.27	<0.027	<59	<5.5	<5.4
Aroclor 1248	---	---	---	---	<0.063	<0.034	<0.033	<6.4	<1.3	<1.3	<34	<0.33	<0.032	<71	<6.6	<6.5
Aroclor 1254	---	---	---	---	0.81	0.93	0.76	**92**	**54**	33	**390**	*7.8*	0.69	**1,400**	**210**	**120**
Aroclor 1260	---	---	---	---	<0.079	<0.043	<0.041	<8.0	<1.6	<1.7	<43	<0.41	<0.040	<88	<8.3	<8.1
Total Detected PCBs	≥50	---	≤1 and ≤10	≤1	0.81	0.93	0.76	***92***	***54***	***33***	***390***	*7.8*	0.69	***1,400***	***210***	***120***
Metals (mg/kg)																
Arsenic	---	35	---	---	1.5	3.5	8.1	2.9	2.6	2.8	7.6	3.4	2.9	8.4	5.3	6.1
Cadmium	---	71	---	---	0.77	0.21 B	0.23 B	11	17 B	15 B	35	3.0 B	1.1 B	140	25 B	15 B
Chromium	---	---	---	---	63	27	21	6.9	5.4	4.5	190 B	42	5.4	130 B	13	8.5
Chromium, hexavalent	---	0.3	---	---	17	19	8.1	<0.39	0.46 J	0.39 J	14	12	<0.39 F1	7.4	0.64 J	<0.39
Chromium, trivalent	---	---	---	---	47	8.0	13	6.9	4.9	4.1	180	30	5.4	120	12	8.5
Lead	---	400	---	---	130	12	17	14	6.0	4.6	320	230	20	260	12	10

Bold values exceed the Toxic Substance Control Act Disposal Limit

Boxed values exceed the residential bulk sampling clearance standards

Italicized values exceed the high occupany cleanup level

Underlined values exceed the bulk PCB remediation waste high occupancy area with a cap

--- - no standard established

mg/kg - milligrams per kilogram

B - compound was found in the blank and sample.

F1 - matrix spile and/or matrix spike duplicate recovery is outside acceptance limits.

J - concentration is an approximate value.

PCBs - polychlorinated biphenyls

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-1**				**S-2**				**S-3**			
Lab Report ID				S-1				S-2				S-3			
Pre- or Post Cleaning				Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning
Date Collected				3/3/2016	3/7/2016	3/28/2017	6/23/17	3/3/2016	3/7/2016	3/28/2017	6/23/2017	3/3/2016	3/7/2016	3/28/2017	6/23/2017
Total Metals (µg/l)															
Arsenic	1	10	600	NA	NA	0.28	***61***	NA	NA	*1.1*	***230***	NA	NA	0.13	***78***
Barium	60	300	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.5	5	1,500	NA	NA	NA	0.40 J	NA	NA	NA	*0.58*	NA	NA	NA	*0.61*
Total Chromium	10	100	64,000	NA	**6,300**	0.17	**8,500**	NA	***82,000***	7.9	**56,000**	NA	***96,000***	***30***	***39,000***
Chromium, Hexavalent	**---**	**---**	**---**	NA	6,700 H	0.012	8,600 H	NA	84,000 H	4.7	57,000 H	NA	100,000 H	22	41,000 H
Chromium, Trivalent	---	---	**---**	NA	<0.10	0.16	<10	NA	<0.10	3.2	<10	NA	<0.10	8.1	<10
Copper	---	---	6,000	NA	NA	NA	14	NA	NA	NA	48	NA	NA	NA	18
Lead	1.5	15	2,000	NA	NA	0.16	***34***	NA	NA	NA	***17***	NA	NA	NA	***19***
Mercury	0.2	2	2.6	NA	NA	NA	<0.098	NA	NA	NA	0.14 J	NA	NA	NA	<0.098
Molybdenum	---	---	12,000	NA	NA	NA	150	NA	NA	NA	490	NA	NA	NA	380
Nickel	20	100	4,000	NA	NA	NA	*25*	NA	NA	NA	4.4	NA	NA	NA	5.6
Selenium	10	50	**---**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	5,800	NA	NA	NA	<0.12	NA	NA	NA	<0.12	NA	NA	NA	<0.12
Zinc	---	---	8,000	NA	NA	NA	280	NA	NA	NA	380	NA	NA	NA	750
Dissolved Metals (µg/l)															
Arsenic	1	10	---	***118***	NA	NA	NA	***138***	NA	NA	NA	***380***	NA	NA	NA
Barium	60	300	---	***1,450***	NA	NA	NA	*60.2*	NA	NA	NA	*104*	NA	NA	NA
Cadmium	0.5	5	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Chromium	10	100	**---**	***5,750***	NA	NA	NA	***69,700***	NA	NA	NA	***70,400***	NA	NA	NA
Lead	1.5	15	**---**	*41.3*	NA	NA	NA	<10.2	NA	NA	NA	<10.2	NA	NA	NA
Mercury	0.2	2	**---**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	50	**---**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	**---**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (µg/l)															
Aroclor 1016	0.003	0.03	0.0	NA	NA	NA	<0.071	NA	NA	NA	<0.072	NA	NA	NA	<0.065
Aroclor 1221	0.003	0.03	0.0	NA	NA	NA	<0.21	NA	NA	NA	<0.21	NA	NA	NA	<0.19
Aroclor 1232	0.003	0.03	0.0	NA	NA	NA	<0.21	NA	NA	NA	<0.21	NA	NA	NA	<0.19
Aroclor 1242	0.003	0.03	0.0	NA	NA	NA	<0.21	NA	NA	NA	<0.21	NA	NA	NA	<0.19
Aroclor 1248	0.003	0.03	0.0	NA	NA	NA	<0.21	NA	NA	NA	<0.21	NA	NA	NA	<0.19
Aroclor 1254	0.003	0.03	0.0	NA	NA	NA	<0.21	NA	NA	NA	***0.88***	NA	NA	NA	<0.19
Aroclor 1260	0.003	0.03	0.0	NA	NA	NA	<0.074	NA	NA	NA	<0.075	NA	NA	NA	<0.068
Total Detected PCBs	0.003	0.03	0.0	NA	NA	NA	ND	NA	NA	NA	***0.88***	NA	NA	NA	ND
Oil and Grease (mg/L)	---	---	300	NA	NA	NA	1.4 J,B	NA	NA	NA	4.9 J,B	NA	NA	NA	2.2 J,B
Phenolics, Total Recoverable (mg/L)	---	---		NA	NA	NA	<0.0041	NA	NA	NA	0.0041 J	NA	NA	NA	<0.0041
Cyanide, Total (mg/L)	40	200	2.9	NA	NA	NA	0.0072 J	NA	NA	NA	0.011	NA	NA	NA	0.0068 J
pH	---	---		NA	NA	NA	8.0 HF	NA	NA	NA	8.4 HF	NA	NA	NA	7.9 HF
Sulfide (mg/L)	---	---		NA	NA	NA	<0.23	NA	NA	NA	<0.23	NA	NA	NA	<0.23

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-1**				**S-2**				**S-3**			
Lab Report ID				S-1				S-2				S-3			
Pre- or Post Cleaning				Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning
Date Collected				3/3/2016	3/7/2016	3/28/2017	6/23/17	3/3/2016	3/7/2016	3/28/2017	6/23/2017	3/3/2016	3/7/2016	3/28/2017	6/23/2017
Detected VOCs (µg/l)															
Acetone	1,800	9,000	---	NA	NA	NA	5.2	NA	NA	<1.7	25	NA	NA	NA	14
Benzene	0.5	5	---	<0.50	NA	NA	<0.15	<5.0	NA	<0.15	<0.15	<5.0	NA	NA	<0.15
Ethylbenzene	140	700	---	<0.50	NA	NA	<0.18	<5.0	NA	<0.18	<0.18	<5.0	NA	NA	<0.18
Isopropylbenzene	---	---	---	<0.14	NA	NA	<0.39	<1.4	NA	<0.39	<0.39	<1.4	NA	NA	<0.39
Diisopropyl ether	---	---	---	1.6	NA	NA	87	<5.0	NA	<0.28	<0.28	<5.0	NA	NA	<0.28
Naphthalene	10	100	---	<2.5	NA	NA	NA	<25.0	NA	<0.34	NA	<25.0	NA	NA	NA
n-Butylbenzene	---	---	---	<0.50	NA	NA	<0.39	<5.0	NA	<0.39	<0.39	<5.0	NA	NA	<0.39
p-Isopropyltoluene	---	---	---	<0.50	NA	NA	<0.36	<5.0	NA	<0.36	<0.36	<5.0	NA	NA	<0.36
sec-Butylbenzene	---	---	---	<2.2	NA	NA	<0.40	<21.9	NA	<0.40	<0.40	<21.9	NA	NA	<0.40
Styrene	10	100	---	<0.50	NA	NA	<0.39	<5.0	NA	<0.39	<0.39	<5.0	NA	NA	<0.39
tert-Butylbenzene	---	---	---	<0.18	NA	NA	<0.40	<1.8	NA	<0.40	<0.40	<1.8	NA	NA	<0.40
Toluene	160	800	---	<0.50	NA	NA	<0.15	<5.0	NA	<0.15	<0.15	<5.0	NA	NA	<0.15
1,2,4-Trimethylbenzene	---	---	---	<0.50	NA	NA	<0.36	75.1	NA	<0.36	13	<5.0	NA	NA	<0.36
1,3,5-Trimethylbenzene	---	--	---	<0.50	NA	NA	<0.25	38.4	NA	<0.25	3.6	<5.0	NA	NA	<0.25
Trimethylbenzenes	96	480	---	<0.50	NA	NA	<0.61	*113.5*	NA	<0.61	16.6	<5.0	NA	NA	<0.61
Total Xylene	400	2,000	---	<1.0	NA	NA	<0.22	<10.0	NA	<0.22	0.69 J	<10.0	NA	NA	9.8
PAHs (µg/l)															
Acenaphthene	---	---	---	<0.0046	NA	NA	<0.26	0.031 J	NA	NA	<0.24	<0.014	NA	NA	<0.26
Acenaphthylene	---	---	---	0.0061 J	NA	NA	<0.22	0.014 J	NA	NA	<0.21	0.056 J	NA	NA	<0.22
Anthracene	600	3000	---	0.014 J	NA	NA	<0.28	0.079	NA	NA	<0.26	0.10 J	NA	NA	<0.28
Benzo(a)anthracene	---	---	---	0.016 J	NA	NA	<0.048	0.11	NA	NA	<0.045	0.80	NA	NA	<0.047
Benzo(a)pyrene	0.02	0.2	---	0.0088 J	NA	NA	<0.083	*0.045 J*	NA	NA	<0.078	***0.69***	NA	NA	<0.082
Benzo(b)fluoranthene	0.02	0.2	---	0.018 J	NA	NA	<0.068	*0.10*	NA	NA	<0.064	***1.2***	NA	NA	<0.067
Benzo(g,h,i)perylene	---	---	---	0.012 J	NA	NA	<0.31	0.049 J	NA	NA	<0.30	0.58	NA	NA	<0.31
Benzo(k)fluoranthene	---	---	---	0.013 J	NA	NA	<0.054	0.031 J	NA	NA	<0.050	0.39	NA	NA	<0.053
Chrysene	0.02	0.2	---	*0.026 J*	NA	NA	<0.057	*0.17*	NA	NA	<0.054	***1.1***	NA	NA	<0.056
Dibenzo(a,h)anthracene	---	---	---	0.013 J	NA	NA	<0.043	0.013 J	NA	NA	<0.040	0.14 J	NA	NA	<0.042
Fluoranthrene	80	400	---	0.032 J	NA	NA	<0.38	0.44	NA	NA	<0.36	0.80	NA	NA	<0.38
Fluorene	80	400	---	<0.0037	NA	NA	<0.20	0.023 J	NA	NA	<0.19	0.012 J	NA	NA	<0.20
Indeno(1,2,3-cd)pyrene	---	---	---	0.014 J	NA	NA	<0.063	0.027 J	NA	NA	<0.059	0.44	NA	NA	<0.062
1-Methylnaphthalene	---	---	---	0.014 J	NA	NA	<0.25	0.083	NA	NA	<0.24	0.011 J	NA	NA	<0.25
2-Methylnaphthalene	---	---	---	0.017 J	NA	NA	<0.055	0.071	NA	NA	<0.051	0.0084 J	NA	NA	<0.054
Naphthalene	10	100	---	0.013 J	NA	NA	<0.26	0.038 J	NA	NA	<0.24	0.019 J	NA	NA	<0.26
Phenanthrene	---	---	---	0.031 J	NA	NA	<0.25	0.12	NA	NA	<0.24	0.22	NA	NA	<0.25
Pyrene	50	250	---	0.024 J	NA	NA	<0.36	0.42	NA	NA	<0.34	0.79	NA	NA	<0.35

Notes:

Bold concentrations exceed NR 140 enforcement standard

Italicized concentrations exceed NR 140 preventive action limit

Boxed concentrations exceed MMSD discharge limits

--- - no standard established

B - Compound was found in the blank and sample.

cn - laboratory contaminant identified by laboratory

F1 - matrix spike/matrix spike duplicate recovery is outside acceptance limits

F2 - matrix spike/matrix spike duplicate exceeded control limits

H - Sample was prepared or analyzed beyond the specific holding time

HF - Laboratory analyzed past 15 minute hold time.

J - Results between the limit of detection and limit of quantitation

mg/L - milligrams per liter

MMSD - Milwaukee Metropolitan Sewerage District

NA - not analyzed

PAHs - polycyclic aromatic hydrocarbons

µg/l - micrograms per liter

VOCs - volatile organic compounds

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wiscon

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-4**				**S-5**				**S-6**			
Lab Report ID				S-4				S-5				S-6			
Pre- or Post Cleaning				Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning
Date Collected				3/3/2016	3/7/2016	3/28/2017	6/23/2017	3/3/2016	3/7/2016	3/28/2017	6/23/17	3/3/2016	3/7/2016	3/28/2017	6/27/2017
Total Metals (µg/l)															
Arsenic	1	10	600	NA	NA	0.035	***51***	NA	NA	0.20	***63***	NA	NA	0.10	***260***
Barium	60	300	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.5	5	1,500	NA	NA	NA	*0.95*	NA	NA	NA	*0.74*	NA	NA	NA	*1.4 J*
Total Chromium	10	100	64,000	NA	***130,000***	***40***	***64,000***	NA	***57,000***	***11***	***190,000***	NA	**54,000**	*14*	***75,000***
Chromium, Hexavalent	---	---	---	NA	130,000 H	37	80,000 H	NA	59,000 H	7.5	210,000 H,F1	NA	57,000 H	12	76,000
Chromium, Trivalent	---	---	---	NA	<0.10	2.6	<10	NA	<0.10	3.3	<10	NA	<0.10	2.3	<10
Copper	---	---	6,000	NA	NA	NA	18	NA	NA	NA	36	NA	NA	NA	84
Lead	1.5	15	2,000	NA	NA	NA	***20***	NA	NA	NA	***17***	NA	NA	NA	***99***
Mercury	0.2	2	2.6	NA	NA	NA	<0.098	NA	NA	NA	0.17 J	NA	NA	NA	<0.098
Molybdenum	---	---	12,000	NA	NA	NA	280	NA	NA	NA	500	NA	NA	NA	360
Nickel	20	100	4,000	NA	NA	NA	6.3	NA	NA	NA	3.9	NA	NA	NA	17
Selenium	10	50	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	5,800	NA	NA	NA	<0.12	NA	NA	NA	<0.12	NA	NA	NA	<0.58
Zinc	---	---	8,000	NA	NA	NA	1,200	NA	NA	NA	520	NA	NA	NA	1,000
Dissolved Metals (µg/l)															
Arsenic	1	10	---	***144***	NA	NA	NA	***170***	NA	NA	NA	***36.9 J***	NA	NA	NA
Barium	60	300	---	57.3	NA	NA	NA	*62.1*	NA	NA	NA	46.0 J	NA	NA	NA
Cadmium	0.5	5	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Chromium	10	100	---	***83,000***	NA	NA	NA	***67,600***	NA	NA	NA	***63,100***	NA	NA	NA
Lead	1.5	15	---	<10.2	NA	NA	NA	<10.2	*NA*	NA	NA	<10.2	NA	NA	NA
Mercury	0.2	2	---	NA	NA	NA	<0.098	NA	NA	NA	0.17 J	NA	NA	NA	NA
Selenium	10	50	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	---	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (µg/l)															
Aroclor 1016	0.003	0.03	0.0	NA	NA	NA	<0.064	NA	NA	NA	<0.067	NA	NA	NA	<0.064
Aroclor 1221	0.003	0.03	0.0	NA	NA	NA	<0.19	NA	NA	NA	<0.20	NA	NA	NA	<0.19
Aroclor 1232	0.003	0.03	0.0	NA	NA	NA	<0.19	NA	NA	NA	<0.20	NA	NA	NA	<0.19
Aroclor 1242	0.003	0.03	0.0	NA	NA	NA	<0.19	NA	NA	NA	<0.20	NA	NA	NA	<0.19
Aroclor 1248	0.003	0.03	0.0	NA	NA	NA	<0.19	NA	NA	NA	<0.20	NA	NA	NA	<0.19
Aroclor 1254	0.003	0.03	0.0	NA	NA	NA	<0.19	NA	NA	NA	<0.20	NA	NA	NA	***1.5***
Aroclor 1260	0.003	0.03	0.0	NA	NA	NA	<0.067	NA	NA	NA	<0.070	NA	NA	NA	<0.067
Total Detected PCBs	0.003	0.03	0.0	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	***1.5***
Oil and Grease (mg/L)	---	---	300	NA	NA	NA	<1.4	<1.4	NA	NA	3.3 J,B	NA	NA	NA	33.4 B
Phenolics, Total Recoverable (mg/L)	---	---		NA	NA	NA	<0.0041	<0.0041	NA	NA	<0.0041	NA	NA	NA	<0.0041
Cyanide, Total (mg/L)	40	200	2.9	NA	NA	NA	0.0064 J	0.0064 J	NA	NA	0.0067 J	NA	NA	NA	0.016
pH	---	---		NA	NA	NA	7.4 HF	7.4 HF	NA	NA	7.6 HF	NA	NA	NA	7.5 HF
Sulfide (mg/L)	---	---		NA	NA	NA	<0.23	<0.23	NA	NA	<0.23	NA	NA	NA	<0.23

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wiscon

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-4**				**S-5**				**S-6**			
Lab Report ID				S-4				S-5				S-6			
Pre- or Post Cleaning				Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	Pre-Cleaning	Post Cleaning	Post Cleaning
Date Collected				3/3/2016	3/7/2016	3/28/2017	6/23/2017	3/3/2016	3/7/2016	3/28/2017	6/23/17	3/3/2016	3/7/2016	3/28/2017	6/27/2017
Detected VOCs (µg/l)															
Acetone	1,800	9,000	---	NA	NA	NA	13	NA	NA	NA	220	NA	NA	12	25 cn
Benzene	0.5	5	---	<5.0	NA	NA	<0.15	<5.0	NA	NA	*0.66*	<5.0	NA	*0.77*	<0.15
Ethylbenzene	140	700	---	<5.0	NA	NA	2.8	<5.0	NA	NA	<0.18	*156*	NA	0.31 J	<0.18
Isopropylbenzene	---	---	---	<1.4	NA	NA	<0.39	<1.4	NA	NA	<0.39	49.1	NA	3.4	0.97 J
Diisopropyl ether	---	---	---	<5.0	NA	NA	<0.28	<5.0	NA	NA	<0.28	<5.0	NA	<0.28	<0.28
Naphthalene	10	100	---	<25.0	NA	NA	NA	<25.0	NA	NA	NA	<25.0	NA	7.7	NA
n-Butylbenzene	---	---	---	<5.0	NA	NA	<0.39	<5.0	NA	NA	<0.39	<5.0	NA	2.9	<0.39
p-Isopropyltoluene	---	---	---	<5.0	NA	NA	<0.36	<5.0	NA	NA	<0.36	<5.0	NA	1.7	<0.36
sec-Butylbenzene	---	---	---	<21.9	NA	NA	<0.40	<21.9	NA	NA	0.62 J	<21.9	NA	0.66 J	<0.40
Styrene	10	100	---	<5.0	NA	NA	0.82 J	<5.0	NA	NA	<0.39	<5.0	NA	<0.39	<0.39
tert-Butylbenzene	---	---	---	<1.8	NA	NA	<0.40	<1.8	NA	NA	0.89 J	<1.8	NA	1.9	<0.40
Toluene	160	800	---	<5.0	NA	NA	<0.15	<5.0	NA	NA	<0.15	17.0	NA	0.32 J	<0.15
1,2,4-Trimethylbenzene	---	---	---	<5.0	NA	NA	<0.36	<5.0	NA	NA	<0.36	21.8	NA	23	0.64 J
1,3,5-Trimethylbenzene	---	--	---	<5.0	NA	NA	<0.25	<5.0	NA	NA	<0.25	12.0	NA	11	0.79 J
Trimethylbenzenes	96	480	---	<5.0	NA	NA	<0.61	<5.0	NA	NA	<0.61	33.8	NA	34	1.43
Total Xylene	400	2,000	---	<10.0	NA	NA	3.0	<10.0	NA	NA	0.52 J	*828*	NA	190	30
PAHs (µg/l)															
Acenaphthene	---	---	---	0.038 J	NA	NA	<0.24	<0.0049	NA	NA	<0.26	0.043 J	NA	NA	<0.23
Acenaphthylene	---	---	---	0.071 J	NA	NA	<0.21	0.0089 J	NA	NA	0.43 J	0.14	NA	NA	<0.20
Anthracene	600	3000	---	0.12 J	NA	NA	<0.26	0.10	NA	NA	<0.28	0.12	NA	NA	<0.25
Benzo(a)anthracene	---	---	---	0.27	NA	NA	<0.044	0.018 J	NA	NA	<0.048	0.13	NA	NA	<0.043
Benzo(a)pyrene	0.02	0.2	---	*0.16*	NA	NA	<0.078	0.0072 J	NA	NA	<0.084	*0.14*	NA	NA	<0.074
Benzo(b)fluoranthene	0.02	0.2	---	***0.34***	NA	NA	<0.063	0.018 J	NA	NA	<0.068	***0.67***	NA	NA	<0.061
Benzo(g,h,i)perylene	---	---	---	0.21	NA	NA	<0.29	0.0071 J	NA	NA	<0.32	0.39	NA	NA	<0.28
Benzo(k)fluoranthene	---	---	---	0.11 J	NA	NA	<0.050	0.0083 J	NA	NA	<0.054	0.17	NA	NA	<0.048
Chrysene	0.02	0.2	---	***0.49***	NA	NA	<0.054	*0.023 J*	NA	NA	<0.058	***0.21***	NA	NA	<0.051
Dibenzo(a,h)anthracene	---	---	---	0.088 J	NA	NA	<0.040	<0.0055	NA	NA	<0.043	0.090	NA	NA	<0.038
Fluoranthrene	80	400	---	0.75	NA	NA	<0.36	0.017 J	NA	NA	<0.38	0.27	NA	NA	<0.34
Fluorene	80	400	---	0.043 J	NA	NA	<0.19	0.0054 J	NA	NA	<0.21	0.042 J	NA	NA	<0.18
Indeno(1,2,3-cd)pyrene	---	---	---	0.12 J	NA	NA	<0.059	0.0061 J	NA	NA	<0.063	0.33	NA	NA	<0.056
1-Methylnaphthalene	---	---	---	0.23	NA	NA	<0.24	0.0073 J	NA	NA	<0.25	3.3	NA	NA	<0.23
2-Methylnaphthalene	---	---	---	0.27	NA	NA	<0.051	<0.0027	NA	NA	<0.055	4.0	NA	NA	<0.049
Naphthalene	10	100	---	0.038 J	NA	NA	<0.24	<0.0044	NA	NA	<0.26	4.4	NA	NA	<0.23
Phenanthrene	---	---	---	0.50	NA	NA	<0.24	0.019 J	NA	NA	<0.25	0.15	NA	NA	<0.23
Pyrene	50	250	---	0.93	NA	NA	<0.33	0.23	NA	NA	<0.36	0.38	NA	NA	<0.32

Notes:

Bold concentrations exceed NR 140 enforcement standard

Italicized concentrations exceed NR 140 preventive action limit

Boxed concentrations exceed MMSD discharge limits

--- - no standard established

B - Compound was found in the blank and sample.

cn - laboratory contaminant identified by laboratory

F1 - matrix spike/matrix spike duplicate recovery is outside acceptance limits

F2 - matrix spike/matrix spike duplicate exceeded control limits

H - Sample was prepared or analyzed beyond the specific holding time

HF - Laboratory analyzed past 15 minute hold time.

J - Results between the limit of detection and limit of quantitation

mg/L - milligrams per liter

MMSD - Milwaukee Metropolitan Sewerage District

NA - not analyzed

PAHs - polycyclic aromatic hydrocarbons

µg/l - micrograms per liter

VOCs - volatile organic compounds

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wiscon

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-7**			**S-8**		**Floor Water**
Lab Report ID				WC-6	S-7		S-8		B11W
Pre- or Post Cleaning				Pre-Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	No Cleaning
Date Collected				9/28/2016	3/28/2017	6/27/17	3/28/2017	6/27/2017	6/23/2017
Total Metals (µg/l)									
Arsenic	1	10	600	NA	*2.7*	***1,600***	0.033	***34***	***110***
Barium	60	300	---	NA	NA	NA	0.20	NA	NA
Cadmium	0.5	5	1,500	NA	NA	*0.97 J*	0.0017 J	*0.79*	*0.88 J*
Total Chromium	10	100	64,000	***477,000***	***11,000***	***8,500,000***	0.30	***300***	***80,000 B***
Chromium, Hexavalent	---	---	---	506	11,000	8,500,000	0.0032 J	75	80,000 H
Chromium, Trivalent	---	---	---	<5.1	320	<10	0.30	220	<10
Copper	---	---	6,000	NA	NA	38		12	35
Lead	1.5	15	2,000	NA	0.045	***170***	0.73	***200***	***37***
Mercury	0.2	2	2.6	NA	NA	***1.1***	0.00020	<0.098	<0.098
Molybdenum	---	---	12,000	NA	NA	1,800	NA	16	310
Nickel	20	100	4,000	NA	NA	*22*	NA	2.2	3.5
Selenium	10	50	---	NA	NA	NA	<0.0098	NA	NA
Silver	10	50	5,800	NA	NA	<0.58	<0.0012	0.12 J	<0.58
Zinc	---	---	8,000	NA	NA	130	NA	170	160
Dissolved Metals (µg/l)									
Arsenic	1	10	---	***1,160***	NA	NA	NA	NA	NA
Barium	60	300	---	*68.6*	NA	NA	NA	NA	NA
Cadmium	0.5	5	---	<6.0	NA	NA	NA	NA	NA
Total Chromium	10	100	---	***433,000***	NA	NA	NA	NA	NA
Lead	1.5	15	---	<30.0	NA	NA	NA	NA	NA
Mercury	0.2	2	---	<0.25	NA	NA	NA	NA	NA
Selenium	10	50	---	*79.8 J*	NA	NA	NA	NA	NA
Silver	10	50	---	<27.4	NA	NA	NA	NA	NA
PCBs (µg/l)									
Aroclor 1016	0.003	0.03	0.0	NA	NA	<0.060	NA	<0.066	<0.063
Aroclor 1221	0.003	0.03	0.0	NA	NA	<0.18	NA	<0.20	<0.19
Aroclor 1232	0.003	0.03	0.0	NA	NA	<0.18	NA	<0.20	<0.19
Aroclor 1242	0.003	0.03	0.0	NA	NA	<0.18	NA	<0.20	<0.19
Aroclor 1248	0.003	0.03	0.0	NA	NA	<0.18	NA	<0.20	<0.19
Aroclor 1254	0.003	0.03	0.0	NA	NA	***0.92***	NA	***1.3***	***4.0***
Aroclor 1260	0.003	0.03	0.0	NA	NA	<0.063	NA	<0.069	<0.066
Total Detected PCBs	0.003	0.03	0.0	NA	NA	***0.92***	NA	***1.3***	***4.0***
Oil and Grease (mg/L)	---	---	300	NA	NA	2.2 J,B	NA	46.4 B	6.2 B
Phenolics, Total Recoverable (mg/L)	---	---		NA	NA	0.0067	NA	<0.0041	<0.0041
Cyanide, Total (mg/L)	40	200	2.9	NA	NA	0.073	NA	0.016	0.0072 J
pH	---	---		NA	NA	7.9 HF	NA	7.9 HF	8.4 HF
Sulfide (mg/L)	---	---		NA	NA	<0.23	NA	<0.23	<0.23 F1

Building 11 Sump Water Analytical Results

Former Wayne Pigment Corp, 300 Barclay Street and 139 East Oregon Street, Milwaukee, Wiscon

Sample ID	**Preventive Action Limit**	**Enforcement Standard**	**MMSD Chapter 11 Discharge Limit**	**S-7**			**S-8**		**Floor Water**
Lab Report ID				WC-6	S-7		S-8		B11W
Pre- or Post Cleaning				Pre-Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	Post Cleaning	No Cleaning
Date Collected				9/28/2016	3/28/2017	6/27/17	3/28/2017	6/27/2017	6/23/2017
Detected VOCs (µg/l)									
Acetone	1,800	9,000	---	32.6 J	NA	25 cn	<1.7	<1.7	12cn
Benzene	0.5	5	---	<5.0	NA	<0.15	<0.15	<0.15	<0.15
Ethylbenzene	140	700	---	<5.0	NA	7.8	<0.18	<0.18	<0.18
Isopropylbenzene	---	---	---	<1.4	NA	2.5	<0.39	<0.39	<0.39
Diisopropyl ether	---	---	---	<5.0	NA	<0.28	<0.28	<0.28	<0.28
Naphthalene	10	100	---	<25.0	NA	NA	<0.34	NA	NA
n-Butylbenzene	---	---	---	<5.0	NA	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	---	---	---	<5.0	NA	<0.36	<0.28	<0.36	<0.36
sec-Butylbenzene	---	---	---	<21.9	NA	<0.40	<0.40	<0.40	<0.40
Styrene	10	100	---	<5.0	NA	<0.39	<0.39	<0.39	<0.39
tert-Butylbenzene	---	---	---	<1.8	NA	<0.40	<0.40	<0.40	<0.40
Toluene	160	800	---	<5.0	NA	<0.15	<0.15	<0.15	<0.15
1,2,4-Trimethylbenzene	---	---	---	<5.0	NA	0.83 J	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	---	--	---	<5.0	NA	0.82 J	<0.25	<0.25	<0.25
Trimethylbenzenes	96	480	---	<5.0	NA	1.65	<0.61	<0.61	<0.61
Total Xylene	400	2,000	---	<10.0	NA	25	1.0	<0.22	<0.22
PAHs (µg/l)									
Acenaphthene	---	---	---	<0.0060	NA	<0.24	<0.31	<0.25	<0.24
Acenaphthylene	---	---	---	<0.0049	NA	<0.21	<0.27	<0.22	<0.21
Anthracene	600	3000	---	0.030 J	NA	<0.26	<0.34	<0.28	<0.26
Benzo(a)anthracene	---	---	---	0.020 J	NA	<0.043	0.61	<0.047	<0.045
Benzo(a)pyrene	0.02	0.2	---	*0.020 J*	NA	<0.076	***0.42***	<0.082	<0.078
Benzo(b)fluoranthene	0.02	0.2	---	*0.091*	NA	<0.062	***0.67***	<0.067	<0.064
Benzo(g,h,i)perylene	---	---	---	0.033 J	NA	<0.29	0.39 J	<0.31	<0.30
Benzo(k)fluoranthene	---	---	---	0.023 J	NA	<0.049	0.23	<0.053	<0.051
Chrysene	0.02	0.2	---	*0.079*	NA	<0.052	***0.59***	<0.056	<0.054
Dibenzo(a,h)anthracene	---	---	---	<0.0098	NA	<0.039	<0.052	<0.042	<0.040
Fluoranthrene	80	400	---	0.061	NA	<0.35	1.6	<0.37	<0.36
Fluorene	80	400	---	<0.0078	NA	<0.19	<0.25	<0.20	<0.19
Indeno(1,2,3-cd)pyrene	---	---	---	0.024 J	NA	<0.057	0.22	<0.062	<0.059
1-Methylnaphthalene	---	---	---	0.0060 J	NA	<0.23	<0.31	<0.25	<0.24
2-Methylnaphthalene	---	---	---	<0.0048	NA	0.070 J	0.15 J	<0.054	<0.051
Naphthalene	10	100	---	<0.018	NA	1.0	<0.31	<0.25	<0.24
Phenanthrene	---	---	---	0.025 J	NA	<0.23	0.84 J	<0.25	<0.24
Pyrene	50	250	---	0.088	NA	<0.33	1.5	<0.35	<0.34

Notes:

Bold concentrations exceed NR 140 enforcement standard

Italicized concentrations exceed NR 140 preventive action limit

Boxed concentrations exceed MMSD discharge limits

--- - no standard established

B - Compound was found in the blank and sample.

cn - laboratory contaminant identified by laboratory

F1 - matrix spike/matrix spike duplicate recovery is outside acceptance limits

F2 - matrix spike/matrix spike duplicate exceeded control limits

H - Sample was prepared or analyzed beyond the specific holding time

HF - Laboratory analyzed past 15 minute hold time.

J - Results between the limit of detection and limit of quantitation

mg/L - milligrams per liter

MMSD - Milwaukee Metropolitan Sewerage District

NA - not analyzed

PAHs - polycyclic aromatic hydrocarbons

µg/l - micrograms per liter

VOCs - volatile organic compounds

Building 11 Pilot Test Wipe Analytical Results

The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

PARAMETERS	Wipe Clearance Standards (ug/0.5 ft^2)	Sample ID											
		PSA-F1	PSA-F2	PSA-F3	PSA-C1	PSA-C2	PSA-C3	PSA-CL1	PSA-CL2	PSA-CL3	PSA-B1	PSA-B2	PSA-B3
Surface Material		Floor	Floor	Floor	Ceiling	Ceiling	Ceiling	Column	Column	Column	Brick	Brick	Brick
Pre or Post Cleaning or Sealing		Pre-Cleaning	Post Cleaning	Epoxy Sealed	Pre-Cleaning	Post Cleaning	Paint Sealed	Pre-Cleaning	Post Cleaning	Paint Sealed	Pre-Cleaning	Post Cleaning	Paint Sealed
Date Collected		11/3/2016	11/7/2016	11/15/2016	11/3/2016	11/7/2016	11/15/2016	11/3/2016	11/7/2016	11/15/2016	11/3/2016	11/7/2016	11/15/2016
Metals (total µg/0.5 ft^2)													
Aluminum	33,412.80	2,730	668	<8.7	182	257	<8.7	371J	363	<8.7	747	440	10.9J
Antimony	13.38	810	23.5	11.7	25.9	14.1	30.6	35.3	18.1	33.4	454	59	15.8
Arsenic	0.135/8.128	31.1	0.90J	<0.64	7.0	3.3	<0.64	<6.4	6.0	<0.64	14.4	18.7	<0.64
Barium	6,682.56	2,090	88.4	0.48J	1,150	2,370	8.2	3,440	666	1.0	866	1,170	4.6
Cadmium	25.50	26.2	0.88	<0.066	6.4	13.0	<0.066	14.9	35.0	<0.066	32.9	226	<0.066
Chromium	0.51	7,690	169	<0.19	161	79.4	0.73J	2,630	321	0.38J	1,800	312	0.34J
Cobalt	10.03	2.5J	0.11J	<0.097	2.5	2.1	<0.097	5.2	5	<0.097	2.2	3.0	<0.097
Iron	23,388.93	9,600	309	2.8J	1,530	634	14.4	1,000	594	5.6J	4,280	1,180	4.4J
Lead	20.02	11,400	267	<0.43	56.4	60.5	1.2	2,250	512	0.46J	2,080	664	0.50J
Mercury	3.34	0.32	<0.033	<0.0033	0.18	<0.033	<0.0033	0.064J	0.057J	<0.0033	0.050J	NA	<0.0033
Potassium	---	1,980	102	<8.2	212	108	14.0J	196J	126	13.9J	894	448	25.5J
Selenium	---	<7.7	<0.77	<0.77	1.0J	<0.77	<0.77	<7.7	<0.77	<0.77	0.99J	<7.7	0.78J
Silver	---	<2.8	<0.28	<0.28	<0.28	<0.28	<0.28	<2.8	<0.28	<0.28	<0.28	<0.28	<0.28
Tin	---	26.0J	1.3J	0.79J	2.1J	1.5J	0.57J	<3.8	1.7J	0.58J	5.2	1.7J	0.90J
Titanium	---	224	9.1	17.7	53.1	110	39.7	100	58.6	38.5	281	114	38.4
Zinc	10,023.82	2,490	188	3.0J	780	1,470	15.1	1,150	929	7.7	2,200	1,590	4.7

Boxed values exceed dust wipe clearance standards

J - Results between laboratory limit of detection and limit of quanitification

ft^2 - square feet

µg - microgram

NA - not analyzed

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-B-CC1	B11-1-BW1	B11-1-CC1	B11-2-CC1	B11-2-CF1	B11-3-BW1	B11-3-CF1	B11-3-CW1	B11-4-CC1	B11-4-CF1	B11-5-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017
Building				Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11
Floor				Basement	1	1	2	2	3	3	3	34	4	5
Media				Concrete	Brick	Concrete	Concrete	Concrete	Brick	Concrete	Concrete	Concrete	Concrete	Concrete
Surface Sampled				Column	Wall	Column	Column	Floor	Wall	Floor	Wall	Column	Floor	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted	Painted	Epoxy	Unpainted	Unpainted	Painted	Unpainted	Epoxy	Painted
PCBs (mg/kg)														
Aroclor 1016	---	---	---	<32	<63	<31	<0.86	<35	<0.16	<3.3	<0.088	<0.11	<0.11	<11
Aroclor 1221	---	---	---	<39	<79	<38	<1.1	<43	<0.20	<4.1	<0.11	<0.14	<0.14	<14
Aroclor 1232	---	---	---	<39	<78	<38	<1.1	<43	<0.20	<4.0	<0.11	<0.14	<0.14	<14
Aroclor 1242	---	---	---	<29	<59	<29	<0.80	<32	<0.15	<3.0	<0.081	<0.10	<0.11	<11
Aroclor 1248	---	---	---	<35	<71	<34	<0.96	<39	<0.18	<3.7	<0.098	<0.13	<0.13	<13
Aroclor 1254	---	---	---	640	1,400	390	10	170	<0.097	<2.0	<0.053	<0.069	<0.070	160
Aroclor 1260	---	---	---	<44	<88	<43	<1.2	<48	<0.22	<4.6	<0.12	<0.16	<0.16	<16
Aroclor 1262	---	---	---	<19	<37	<18	<0.50	<20	<0.093	<1.9	<0.051	<0.066	<0.067	<6.7
Aroclor 1268	---	---	---	<17	<34	<17	<0.47	<19	<0.086	<1.8	<0.048	<0.061	<0.062	<6.2
Total Detected PCBs	≥50	---	1	***640***	***1,400***	***390***	*10*	***170***	ND	ND	ND	ND	ND	***160***
Metals (mg/kg)														
Aluminum	---	77,000	---	7,100	15,000	10,000	7,800	11,000	17,000V	9,800	8,700	9,900	130	6,300
Antimony	---	31	---	2.0	1.1 J	12	1.1 J	1.6 J	2.1 F1	1.1 J	1.2 J	1.9	<0.37	1.1 J
Arsenic	---	0.68	---	15	8.4	7.6	3.8	16	160V	97	15	4.9	<0.42	48
Barium	---	15,000	---	210	460	720	97	150	380V	100	210	120	4.5	190
Beryllium	---	---	---	0.91	0.40	1.3	1.0	1.6	0.50	1.3	1.1	1.2	<0.078	0.87
Cadmium	---	71	---	46	140	35	0.46	0.23	<0.038	<0.040	0.28 B	0.33 B	<0.039	30 B
Calcium	---	---	---	330,000 B	51,000 B	310,000 B	250,000 B	270,000 B	50,000 B,V	21,000 B	260,000	290,000	760	240,000
Chromium	---	---	---	110 B	130 B	190 B	31 B	100 B	310 B,V	79 B	38 B	81 B	16 B	110 B
Chromium, hexavalent	---	0.3	---	5.4	7.4	14	6.0	8.8	330	25	10	46	5.8	56
Chromium, trivalent	---	---	---	110	120	180	25	94	<0.10	53	28	35	10	58
Cobalt	---	23	---	3.6	5.8	5.3	4.4	2.0	4.7	2.0	3.4	3.9	2.5	3.8
Copper	---	3,100	---	210	480	360	610	150	670 V	560	330	610	1,500	410
Iron	---	55,000	---	11,000 B	7,000 B	8,900 B	7,400 B	6,500 B	7,900 B,V	6,800 B	9,200	9,600	2,600	6,500
Lead	---	400	---	160	260	320	100	290	910 V	41	360	310	3.7	250
Magnesium	---	---	---	27,000 B	21,000 B	27,000 B	40,000 B	16,000 B	24,000 F2,B,V	17,000 B	33,000	27,000	110	36,000
Manganese	---	1,800	---	1,000	250	1,500	1,200	1,600	260 V	1,400	1,300	1,400	6.8	930
Mercury	---	11	---	0.35	0.077	0.14	0.57	0.089	0.69	1.8	0.42	0.091	<0.0079	0.57
Molybdenum	---	---	---	2.2	3.3	3.4	0.93 J	4.2	4.6	0.51 J	3.1	7.0	0.19 J	1.5
Nickel	---	1,500	---	64	93	74	120	32	100 F1,V	110	66	110	260	78
Potassium	---	---	---	810	9,200	1,100	1,100	1,300	14,000 V	810	2,600 B	1,000 B	28 J B	840 B
Selenium	---	---	---	1.1	0.51 J	1.1	0.85 J	1.4	<0.44	1.1	1.1	1.2	0.58 J	0.60 J
Silver	---	---	---	<0.11	0.19 J	0.27 J	<0.11	0.23 J	<0.10	<0.11	0.17 J	<0.11	0.13 J	0.12 J
Sodium	---	---	---	490	2,600	820	640	1,400	3400 F1,V	2,600	870	740	160	540
Strontium	---	---	---	1,200 B	810 B	540 B	170 B	620 B	740 B	43 B	130	330	32	390
Thallium	---	---	---	<0.34	<0.32	<0.34	<0.35	<0.34	<0.32	<0.33	<0.32	<0.33	<0.33	<0.33
Tin	---	---	---	30 B	66 B	59 B	87 B	22 B	64 B,V	83 B	44 B	82 B	210 B	70 B
Titanium	---	---	---	470	490	740	530	880	620 V	71	580 B	800 B	38 B	390 B
Vanadium	---	390	---	9.4	19	11	8.7	9.3	27 V	9.7	12	12	0.35 J	8.0
Zinc	---	23,000	---	220	2,700	900	380	150	220 V	130	200	350	200	340
Cyanide, Total (mg/kg)	---	23	---	0.62	2.3	1.4	0.73	3.3	0.48 J	1.4	1.3	1.1	0.74	0.53

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-B-CC1	B11-1-BW1	B11-1-CC1	B11-2-CC1	B11-2-CF1	B11-3-BW1	B11-3-CF1	B11-3-CW1	B11-4-CC1	B11-4-CF1	B11-5-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017
Building				Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11
Floor				Basement	1	1	2	2	3	3	3	34	4	5
Media				Concrete	Brick	Concrete	Concrete	Concrete	Brick	Concrete	Concrete	Concrete	Concrete	Concrete
Surface Sampled				Column	Wall	Column	Column	Floor	Wall	Floor	Wall	Column	Floor	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted	Painted	Epoxy	Unpainted	Unpainted	Painted	Unpainted	Epoxy	Painted
Detected VOCs (mg/kg)														
1,2,4-Trimethylbenzene	---	---	---	<0.025	<0.020	<0.57	<0.021	<0.021	<0.022	<0.036	<0.024	<0.034	0.92	<0.025
1,3,5-Trimethylbenzene	---	---	---	<0.026	<0.021	<0.61	<0.022	<0.023	<0.024	<0.038	<0.026	<0.036	<0.037	<0.026
2-Chlorotoluene	---	---	---	<0.022	<0.017	<0.50	<0.018	<0.019	<0.020	<0.031	<0.021	<0.030	<0.030	<0.022
4-Methyl-2-pentanone (MI BK)	---	---	---	<0.15	<0.12	<3.4	<0.13	<0.13	<0.13	<0.21	<0.14	<0.20	<0.21	<0.15
Acetone	---	---	---	<0.12*	<0.096*	<2.8	<0.10*	0.81	<0.11	<0.17*	<0.12	<0.16	5.9	<0.12
Benzene	---	---	---	<0.010	<0.0081	<0.23	<0.0086	<0.0086	<0.0092	<0.015	<0.0098	<0.014	0.14	<0.010
Bromobenzene	---	---	---	<0.025	<0.020	<0.57	<0.021	<0.021	<0.022	<0.036	<0.024	<0.034	<0.034	<0.025
Carbon disulfide	---	---	---	<0.055	<0.044	<1.3	<0.047	<0.048	<0.050	<0.080	<0.054	<0.076	<0.077	<0.056
Chloromethane	---	---	---	<0.022	<0.018	<0.51*	<0.019	<0.019	0.064 B	<0.032	<0.022*	<0.030	0.12 B*	<0.022
Ethylbenzene	---	---	---	<0.013	<0.010	<0.29	<0.011	<0.011	<0.011	<0.018	<0.012	<0.017	0.13	<0.013
Hexachlorobutadiene	---	---	---	<0.031	<0.025	<0.71	<0.026	<0.026	<0.028	<0.044	<0.030	<0.042	<0.043	<0.031
Isopropylbenzene	---	---	---	<0.027	<0.021	<0.61	<0.023	<0.023	<0.024	<0.038	<0.026	<0.036	<0.037	<0.027
Methyl acetate	---	---	---	<0.14*	1.7*	2400*	3.2*	5.6*	<0.13*	3.0*	1.3*	800*	17*	3.1*
Methyl tert-butyl ether	---	---	---	<0.027	<0.022	<0.63	<0.023	<0.023	<0.025	<0.039	<0.027	<0.037	<0.038	<0.027
Methylcyclohexane	---	---	---	<0.022	<0.018	<0.51	<0.019	<0.019	<0.020	<0.032	<0.021	<0.030	<0.031	<0.022
Naphthalene	---	---	---	0.11	<0.018	<0.53	<0.020	0.097	<0.021	<0.033	<0.023	0.18	1.5	0.090
n- Butylbenzene	---	---	---	<0.027	<0.021	<0.62	<0.023	<0.023	<0.024	<0.039	<0.026	<0.037	<0.037	<0.027
N-Propylbenzene	---	---	---	<0.029	<0.023	<0.66	<0.024	<0.025	<0.026	<0.041	<0.028	<0.039	<0.040	<0.029
sec- Butylbenzene	---	---	---	<0.027	<0.022	<0.64	<0.023	<0.024	<0.025	<0.040	<0.027	<0.037	<0.038	<0.028
Styrene	---	---	---	<0.027	<0.021	<0.62	<0.023	0.071	<0.024	<0.039	<0.026	<0.036	<0.037	<0.027
Toluene	---	---	---	0.017	<0.0081	<0.24	<0.0086	<0.0087	<0.0092	<0.015	<0.0099	<0.014	2.9	<0.010
trans-1,2-Dichloroethene	---	---	---	<0.024	<0.019	<0.56	<0.021	<0.021	<0.022	<0.035	<0.024	<0.033	<0.034	<0.024
Trichloroethene	---	---	---	<0.011	<0.0091	<0.26	<0.0096	<0.0097	<0.010	<0.016	<0.011	<0.015	<0.016	<0.011
Xylenes, Total	---	---	---	0.088	<0.012	<0.35	<0.013	<0.013	<0.014	<0.022	<0.015	<0.021	0.47	0.065

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-B-CC1	B11-1-BW1	B11-1-CC1	B11-2-CC1	B11-2-CF1	B11-3-BW1	B11-3-CF1	B11-3-CW1	B11-4-CC1	B11-4-CF1	B11-5-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017	3/9/2017
Building				Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11
Floor				Basement	1	1	2	2	3	3	3	34	4	5
Media				Concrete	Brick	Concrete	Concrete	Concrete	Brick	Concrete	Concrete	Concrete	Concrete	Concrete
Surface Sampled				Column	Wall	Column	Column	Floor	Wall	Floor	Wall	Column	Floor	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted	Painted	Epoxy	Unpainted	Unpainted	Painted	Unpainted	Epoxy	Painted
Detected SVOCs (mg/kg)														
1,1'- Biphenyl	---	---	---	<0.20	<0.039	<0.12	<0.040	<0.20	<0.039	<0.40	<0.040	<0.040	<0.79	<0.040
1,2,4-Trichlorobenzene	---	---	---	<0.18	<0.035	<0.10	<0.036	<0.18	<0.035	<0.35	<0.036	<0.035	<0.70	<0.035
1-Methylnaphthalene	---	---	---	0.058 J	0.025 J	0.040 J	0.014 J	0.045 J	<0.0079	<0.080	0.012 J	0.019 J	<0.16	0.019 J
2-Methylnaphthalene	---	---	---	0.053 J	0.022 J	0.043 J	0.018 J	0.035 J	<0.0059	<0.060	0.017 J	0.034 J	0.19 J	0.027 J
2-Methylphenol	---	---	---	<0.26 F1	<0.051	<0.16	<0.053	<0.26	<0.052	<0.53	<0.053	<0.053	<1.0	<0.053
3 & 4 Methylphenol	---	---	---	<0.27 F2	<0.053	<0.16	<0.056	<0.27	<0.054	<0.55	<0.055	<0.055	<1.1	<0.055
4-Nitroaniline	---	---	---	<0.68	<0.13	<0.41*	<0.14	<0.69	<0.14	<1.4	0.31 J	0.32 J	<2.7	<0.14
Acenaphthylene	---	---	---	<0.022	<0.0042	0.020 J	<0.0044	<0.022	<0.0043	<0.043	<0.0044	<0.0043	0.098 J	<0.0043
Acetophenone	---	---	---	<0.41	<0.080	<0.24	<0.083	<0.41	<0.081	<0.82	0.47	<0.082	<1.6	1.7
Anthracene	---	---	---	<0.027	0.13	0.021 J	0.0092 J	<0.028	<0.0054	<0.055	<0.0055	<0.0055	<0.11	0.0060 J
Benzaldehyde	---	170	---	<1.6	<0.32	<0.96	0.54 J	<1.6	<0.32	<3.3	<0.33	<0.33	170	2.5 J
Benzo(a)anthracene	---	---	---	0.023 J	<0.0043	0.063 J	<0.0045	<0.022	<0.0044	<0.044	<0.0044	<0.0044	<0.088	<0.0044
Benzo(a)pyrene	---	---	---	<0.032	<0.0062	<0.019	<0.0065	<0.032	<0.0063	<0.064	<0.0064	<0.0064	<0.13	<0.0063
Benzo(b)fluoranthene	---	---	---	<0.035 F1	0.16	0.10	0.012 J	<0.036	0.0090 J	<0.071	0.0081 J	0.023 J	<0.14	<0.0071
Benzo(g,h,i)perylene	---	---	---	<0.053 F1	<0.010	<0.031	<0.011	<0.053	<0.010	<0.11	<0.011	<0.011	<0.21	<0.011
Benzo(k)fluoranthene	---	---	---	<0.048	0.041	<0.029	<0.0098	<0.049	<0.0095	<0.097	<0.0097	0.010 J	<0.19	<0.0096
Benzoic acid	---	---	---	1.9 J F1	0.46 J	<0.96	<0.33	<1.6	<0.32	<3.3	<0.33	<0.33	<6.5	1.2 J
Benzyl alcohol	---	6,300	---	<1.6	<0.32	<0.96	<0.33	<1.6	0.36 J	<3.3	1.0	<0.33	4,200	<0.33
Bis(2-chloroethyl)ether	---	0.23	---	<0.24	<0.048	<0.15*	<0.050	<0.25	<0.048	<0.49	<0.050	<0.049	<0.98	<0.049
Bis(2-ethylhexyl) phthalate	---	39	---	0.79 J F1	0.96	3.0	0.49	3.2	0.24	5.1	0.43	0.85	<1.2	4.4
Butyl benzyl phthalate	---	290	---	0.61 J	<0.061	0.18 J	0.15 J	0.44 J	<0.062	<0.63	<0.063	0.15 J	<1.2	0.91
Caprolactam	---	---	---	<0.49	<0.096	<0.29	<0.10	<0.49	<0.097	<0.98	0.20 J	0.14 J	<2.0	<0.098
Chrysene	---	---	---	0.14 J	<0.0087	0.23	0.036	0.068 J	0.019 J	<0.090	0.034	0.057	<0.18	0.043
Diethyl phthalate	---	---	---	<0.28	<0.054	<0.16	<0.056	<0.28	<0.055	<0.56	0.094 J	<0.056	<1.1	<0.055
Di-n-Butyl phthalate	---	---	---	0.41 J	0.15 J	0.20 J	0.16 J	0.30 J	0.071 J	<0.50	0.29	0.40	<0.99	0.26
Fluoranthene	---	---	---	0.77	<0.0059	0.63	0.18	0.099 J	0.052	0.091 J	0.15	0.21	<0.12	0.14
Fluorene	---	---	---	<0.023	0.013 J	<0.014	0.0051 J	<0.023	<0.0045	<0.046	0.0080 J	0.0052 J	<0.092	<0.0046
Hexachlorobenzene	---	---	---	<0.038	<0.0074	<0.023	<0.0077	<0.038	<0.0075	<0.076	0.019 J	<0.0076	<0.15	<0.0076
Isophorone	---	---	---	<0.18	<0.036	<0.11	<0.037	<0.19	<0.036	<0.37	<0.037	<0.037	<0.73	<0.037
Naphthalene	---	---	---	0.078 J	0.059	0.096	0.027 J	0.069 J	<0.0050	0.064 J	0.027 J	0.071	0.47 J	0.056
Nitrobenzene	---	---	---	<0.041	<0.0080	<0.024	<0.0083	<0.041	<0.0081	<0.082	0.098	0.030 J	<0.16	<0.0082
N-Nitrosodi-n-propylamine	---	0.078	---	<0.20	<0.039	<0.12	<0.041	<0.20	<0.040	<0.40	<0.040	<0.040	<0.80	<0.040
Phenanthrene	---	---	---	0.76	0.22	0.39	0.35	0.097 J	0.035	0.11 J	0.21	0.31	0.13 J	0.22
Phenol	---	---	---	<0.36	<0.071	<0.22	<0.074	<0.37	<0.072	<0.73	0.17	0.11 J	<1.5	0.51
Pyrene	---	---	---	0.41 F1	<0.0064	0.43	0.055	0.046 J	0.015 J	0.095 J	0.029 J	0.047	<0.13	0.057

Bold values exceed the Toxic Substance Control Act Disposal Limit
Boxed values exceed the residential bulk sampling clearance standards
Italicized values exceed the high occupany cleanup level
* - laboratory control sample or laboratory control sample duplicate is outside acceptance limits.
--- - no standard established
B - compound was found in the blank and sample.
F1 - matrix spile and/or matrix spike duplicate recovery is outside acceptance limits.
F2 - matrix spike/matrix spike duplicate relative percent difference exceeds control limits

J - concentration is an approximate value.
mg/kg - milligrams per kilogram
NA - not analyzed
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
VOCs - volatile organic compounds
V - serial dilution exceeds the control limits

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-P-CF1	B33-1-BW1	B33-1-WC1		B33-2-BW1	B33-2-WC1		B33-3-CF1	B33-3-TC1	B34-1-CC1	B34-1-CW1	B34-2-BW1	B34-2-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/24/2017	3/8/2017	3/8/2017	3/24/2017	3/8/2017	3/8/2017	3/9/2017	3/9/2017	3/8/2017	3/8/2017
Building				Bldg 11	Bldg 33	Bldg 33		Bldg 33	Bldg 33		Bldg 33	Bldg 33	Bldg 34	Bldg 34	Bldg 34	Bldg 34
Floor				Penthouse	1	1		2	2		3	3	1	1	2	2
Media				Concrete	Brick	Wood		Brick	Wood		Concrete	Terracota Tile	Concrete	Concrete	Brick	Concrete
Surface Sampled				Floor	Wall	Ceiling		Wall	Ceiling		Floor	Ceiling	Column	Wall	Wall	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted		Painted	Painted		Unpainted	Unpainted	Painted	Painted	Painted	Painted
PCBs (mg/kg)																
Aroclor 1016	---	---	---	<1.1	<0.017	<0.019	NA	<0.016	<0.019	NA	<0.018	<0.015	<0.016	<0.015	<0.016	<0.017
Aroclor 1221	---	---	---	<1.4	<0.022	<0.024	NA	<0.020	<0.023	NA	<0.022	<0.019	<0.020	<0.019	<0.020	<0.022
Aroclor 1232	---	---	---	<1.4	<0.021	<0.024	NA	<0.020	<0.023	NA	<0.022	<0.019	<0.019	<0.019	<0.020	<0.021
Aroclor 1242	---	---	---	<1.1	<0.016	<0.018	NA	<0.015	<0.018	NA	<0.016	<0.014	<0.015	<0.014	<0.015	<0.016
Aroclor 1248	---	---	---	<1.3	<0.019	<0.021	NA	<0.018	<0.021	NA	<0.020	<0.017	<0.018	<0.017	<0.018	<0.019
Aroclor 1254	---	---	---	23	<0.011	<0.012	NA	0.22	0.22	NA	<0.011	0.41	0.028 J	0.13	0.097	0.35
Aroclor 1260	---	---	---	<1.6	<0.024	<0.027	NA	0.29	<0.026	NA	<0.025	0.28	<0.022	<0.021	<0.022	<0.024
Aroclor 1262	---	---	---	<0.67	<0.010	<0.011	NA	<0.0096	<0.011	NA	<0.010	<0.0088	<0.0092	<0.0088	<0.0095	<0.010
Aroclor 1268	---	---	---	<0.62	<0.0094	<0.010	NA	<0.0089	<0.010	NA	<0.0096	<0.0082	<0.0085	<0.0081	<0.0088	<0.0094
Total Detected PCBs	≥50	---	1	*23*	ND	ND	NA	0.51	0.22	NA	ND	0.69	0.028	0.13	0.097	0.35
Metals (mg/kg)																
Aluminum	---	77,000	---	9,400	16,000	31	NA	16,000	54	NA	5,600	36,000	7,200	7,400	17,000	8,100
Antimony	---	31	---	1.8	0.71 J	<0.43	NA	0.81 J	<0.39	NA	0.83 J	1.6 J	0.92 J	1.6 J	0.94 J	0.96 J
Arsenic	---	0.68	---	69	3.1	<0.48	NA	5.3	0.84 J	NA	1.6	5.9	1.2	3.7	4.1	2.0
Barium	---	15,000	---	86	780	1,200	NA	1,100	490	NA	80	1,800	57	98	140	58
Beryllium	---	---	---	1.2	0.39	<0.090	NA	0.41	<0.082	NA	0.44	1.3	0.32 J	0.32 J	0.51	0.31 J
Cadmium	---	71	---	0.40 B	4.0	0.25	NA	3.4	0.78	NA	0.23	0.28	<0.041	0.15 J	0.23	0.16 J
Calcium	---	---	---	270,000	35,000 B	680 B	NA	40,000 B	850 B	NA	200,000 B	53,000 B	240,000 B	200,000 B	95,000 B	220,000 B
Chromium	---	---	---	200 B	16 B	0.90 J B	NA	31 B	1.5 B	NA	25 B	44 B	14 B	37 B	19 B	28 B
Chromium, hexavalent	---	0.3	---	300	<0.31	<3.4	NA	9.4	<3.5	NA	4.8	0.74 J	10	29	<0.67	<0.67
Chromium, trivalent	---	---	---	<0.10	16	0.90	NA	22	1.5	NA	20	43	4.5	7.9	19	28
Cobalt	---	23	---	2.5	3.3	0.32 J	NA	4.4	0.44 J	NA	3.7	10	8.4	26	24	35
Copper	---	3,100	---	280	450	0.86 J	NA	1,400	2.0	NA	450	180	940	1,000	370	220
Iron	---	55,000	---	7,100	6,000 B	24 B	NA	7,700 B	40 B	NA	6,600 B	19,000 B	8,300 B	7,900 B	7,800 B	8,400 B
Lead	---	400	---	330	200	49	NA	660	77	NA	29	58	88	300	75	100
Magnesium	---	---	---	21,000	16,000 B	180 B	NA	19,000 B	160 B	NA	33,000 B	23,000 B	53,000 B	31,000 B	24,000 B	31,000 B
Manganese	---	1,800	---	1,200	150	45	NA	160	69	NA	150	280	190	180	190	200
Mercury	---	11	---	0.81	2.7 F2	0.37	NA	0.10	0.42	NA	0.012 J	0.36	0.085	0.071	0.046	0.072
Molybdenum	---	---	---	2.5	3.4	<0.15	NA	3.3	<0.14	NA	1.0	5.9	0.43 J	0.80 J	3.7	0.64 J
Nickel	---	1,500	---	48	96	0.36 J	NA	270	0.37 J	NA	92	58	170	190	81	50
Potassium	---	---	---	1,200 B	12,000	240	NA	12,000	130	NA	2,700	11,000	2,300	3,400	12,000	4,400
Selenium	---	---	---	1.3	0.50 J	1.3	NA	<0.45	1.5	NA	0.53 J	<0.46	0.69 J	0.69 J	<0.43	<0.48
Silver	---	---	---	0.15 J	0.38 J	0.14 J	NA	<0.11	<0.11	NA	0.49	<0.11	<0.11	0.23 J	0.27 J	0.34 J
Sodium	---	---	---	2,200	4,500	20 J	NA	4,600	120	NA	870	3,700	830	840	4,400	1,100
Strontium	---	---	---	530	120 B	74 B	NA	93 B	68 B	NA	310 B	87 B	93 B	110 B	98 B	140 B
Thallium	---	---	---	<0.33	<0.32	<0.38	NA	<0.33	<0.34	NA	<0.34	<0.34	<0.35	<0.33	<0.31	<0.35
Tin	---	---	---	35 B	61 B	1.5 J B	NA	190 B	1.8 J B	NA	57 B	20 B	130 B	130 B	52 B	30 B
Titanium	---	---	---	710 B	470	14	NA	500	30	NA	500	1,100	650	600	1,000	690
Vanadium	---	390	---	11	21	<0.11	NA	21	0.12 J	NA	19	83	17	15	28	19
Zinc	---	23,000	---	420	21,000	3,600	NA	15,000	5,100	NA	500	1,400	250	590	1,200	1,500
Cyanide, Total (mg/kg)	---	23	---	9.8	0.16 J	<0.18	NA	3.0 F1	0.19 J	NA	0.15 J	0.40 J	0.29 J	0.56	<0.15	0.30 J

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-P-CF1	B33-1-BW1	B33-1-WC1		B33-2-BW1	B33-2-WC1		B33-3-CF1	B33-3-TC1	B34-1-CC1	B34-1-CW1	B34-2-BW1	B34-2-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/24/2017	3/8/2017	3/8/2017	3/24/2017	3/8/2017	3/8/2017	3/9/2017	3/9/2017	3/8/2017	3/8/2017
Building				Bldg 11	Bldg 33	Bldg 33		Bldg 33	Bldg 33		Bldg 33	Bldg 33	Bldg 34	Bldg 34	Bldg 34	Bldg 34
Floor				Penthouse	1	1		2	2		3	3	1	1	2	2
Media				Concrete	Brick	Wood		Brick	Wood		Concrete	Terracota Tile	Concrete	Concrete	Brick	Concrete
Surface Sampled				Floor	Wall	Ceiling		Wall	Ceiling		Floor	Ceiling	Column	Wall	Wall	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted		Painted	Painted		Unpainted	Unpainted	Painted	Painted	Painted	Painted
Detected VOCs (mg/kg)																
1,2,4-Trimethylbenzene	---	---	---	<0.026	0.60	NA	0.30	0.34	NA	0.083	0.17	0.30	<0.080	<0.027	<0.026	<0.030
1,3,5-Trimethylbenzene	---	---	---	<0.027	0.32	NA	<0.026	0.24	NA	<0.025	0.060 J	<0.061	<0.085	<0.029	<0.028	<0.032
2-Chlorotoluene	---	---	---	<0.022	<0.021	NA	2.3	<0.019	NA	2.3	<0.024	<0.050	<0.071	<0.024	<0.023	<0.026
4-Methyl-2-pentanone (MI BK)	---	---	---	<0.15	<0.14	NA	<0.024	1.4	NA	<0.023	<0.16	<0.34	<0.48	<0.16	<0.16	<0.18
Acetone	---	---	---	<0.12 F1	0.51*	NA	0.39	0.31	NA	0.55	<0.13*	<0.28	<0.39	<0.13	<0.13	<0.14
Benzene	---	---	---	<0.010	<0.0095	NA	2.5	<0.0087	NA	1.9	<0.011	<0.023	<0.033	<0.011	<0.011	<0.012
Bromobenzene	---	---	---	<0.025	<0.023	NA	0.16	<0.021	NA	0.068	<0.027	<0.057	<0.080	<0.027	<0.026	<0.030
Carbon disulfide	---	---	---	<0.057	<0.052	NA	0.14 B	<0.048	NA	<0.051	<0.060	<0.13	<0.18	<0.061	<0.059	<0.067
Chloromethane	---	---	---	<0.023	<0.021	NA	<0.025	<0.019	NA	<0.024	<0.024	<0.051	<0.072	<0.024	<0.023	<0.027
Ethylbenzene	---	---	---	<0.013	0.019	NA	<0.046*	0.026	NA	<0.044*	2.2	4.2	<0.041	<0.014	<0.013	<0.015
Hexachlorobutadiene	---	---	---	<0.032	<0.029	NA	0.069	<0.027	NA	0.050	<0.034	<0.071	<0.10	<0.034	<0.033	<0.037
Isopropylbenzene	---	---	---	<0.027	0.052 J	NA	<0.019	<0.023	NA	<0.018	1.4	2.7	<0.086	<0.029	<0.028	<0.032
Methyl acetate	---	---	---	2.5*	21*	NA	<0.026	5.7*	NA	<0.025	1.8*	3.6*	2.5*	<0.15*	1.5*	0.76*
Methyl tert-butyl ether	---	---	---	<0.028	<0.026	NA	0.60	<0.024	NA	0.81	<0.030	<0.063	<0.089	<0.030	<0.029	<0.033
Methylcyclohexane	---	---	---	<0.023	<0.021	NA	0.18 J	<0.019	NA	0.20 J	<0.024	<0.051	<0.071	<0.024	<0.023	<0.026
Naphthalene	---	---	---	<0.024	0.11	NA	<0.022	<0.020	NA	<0.021	0.28	0.47	<0.075	<0.025	3.4	0.097
n- Butylbenzene	---	---	---	<0.028	<0.025	NA	2.0	<0.023	NA	1.9	<0.029	<0.062	<0.087	<0.029	<0.028	<0.032
N-Propylbenzene	---	---	---	<0.030	<0.027	NA	0.30	<0.025	NA	1.2	<0.031	<0.066	<0.093	<0.031	<0.030	<0.034
sec- Butylbenzene	---	---	---	<0.028	0.081	NA	0.030 J	<0.024	NA	<0.027	<0.030	<0.064	<0.089	<0.030	<0.029	<0.033
Styrene	---	---	---	<0.028	<0.025	NA	0.20	<0.023	NA	0.16	<0.029	0.85	<0.087	<0.029	<0.028	<0.032
Toluene	---	---	---	<0.011	0.063	NA	<0.026	0.095	NA	<0.025	0.054	0.10	0.23	<0.011	0.093	<0.012
trans-1,2-Dichloroethene	---	---	---	<0.025	<0.023	NA	2.9	<0.021	NA	0.35	<0.026	<0.056	<0.079	<0.027	<0.026	<0.029
Trichloroethene	---	---	---	<0.012	<0.011	NA	2.9	<0.0098	NA	6.8	<0.012	<0.026	<0.037	<0.012	<0.012	<0.014
Xylenes, Total	---	---	---	<0.016	0.36	NA	<0.029	0.37	NA	<0.028	25	50	0.18	<0.017	0.020 J	<0.018

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	Toxic Substance Control Act Disposal Limit	Residential Bulk Sampling Clearance Standard	High Occupany Cleanup Level	B11-P-CF1	B33-1-BW1	B33-1-WC1		B33-2-BW1	B33-2-WC1		B33-3-CF1	B33-3-TC1	B34-1-CC1	B34-1-CW1	B34-2-BW1	B34-2-CC1
Sample Date				3/9/2017	3/9/2017	3/9/2017	3/24/2017	3/8/2017	3/8/2017	3/24/2017	3/8/2017	3/8/2017	3/9/2017	3/9/2017	3/8/2017	3/8/2017
Building				Bldg 11	Bldg 33	Bldg 33		Bldg 33	Bldg 33		Bldg 33	Bldg 33	Bldg 34	Bldg 34	Bldg 34	Bldg 34
Floor				Penthouse	1	1		2	2		3	3	1	1	2	2
Media				Concrete	Brick	Wood		Brick	Wood		Concrete	Terracota Tile	Concrete	Concrete	Brick	Concrete
Surface Sampled				Floor	Wall	Ceiling		Wall	Ceiling		Floor	Ceiling	Column	Wall	Wall	Column
Painted, Unpainted, Epoxy Surface				Unpainted	Painted	Painted		Painted	Painted		Unpainted	Unpainted	Painted	Painted	Painted	Painted
Detected SVOCs (mg/kg)																
1,1'- Biphenyl	---	---	---	<0.20	<0.11	<0.062	NA	<0.040	<0.058	NA	<0.11	<0.040	<0.20	<0.040	<0.039	<0.20
1,2,4-Trichlorobenzene	---	---	---	<0.18	<0.10	0.80	NA	<0.035	0.97	NA	<0.096	<0.035	<0.18	<0.036	<0.035	<0.18
1-Methylnaphthalene	---	---	---	<0.041	<0.023	<0.13	NA	<0.0080	<0.26	NA	0.39	<0.0080	<0.041	0.029 J	0.011 J	<0.041
2-Methylnaphthalene	---	---	---	<0.031	<0.017	<0.099	NA	0.0075 J	<0.19	NA	0.47	<0.0060	0.049 J	0.035 J	0.020 J	0.056 J
2-Methylphenol	---	---	---	<0.27	<0.15	<0.86	NA	<0.053	<1.7	NA	0.84	<0.053	<0.27	<0.053	<0.052	<0.27
3 & 4 Methylphenol	---	---	---	<0.28	<0.16	<0.90	NA	0.61	9.8	NA	<0.15	<0.055	<0.28	0.20	0.088 J	<0.28
4-Nitroaniline	---	---	---	<0.70	<0.39	<2.2	NA	<0.14	<4.4	NA	<0.37	<0.14	<0.70	<0.14	<0.13	<0.70
Acenaphthylene	---	---	---	<0.022	<0.012	<0.071	NA	<0.0043	<0.14	NA	<0.012	<0.0043	<0.022	<0.0044	<0.0042	<0.022
Acetophenone	---	---	---	<0.42	<0.23	<1.3	NA	<0.082	<2.6	NA	0.97	<0.082	<0.42	<0.083	<0.080	<0.42
Anthracene	---	---	---	<0.028	<0.016	<0.090	NA	<0.0055	<0.17	NA	<0.015	<0.0055	<0.028	<0.0056	<0.0054	<0.028
Benzaldehyde	---	170	---	<1.7	<0.94	48	NA	<0.33	290	NA	<0.88	<0.33	<1.7	1.2 J	1.0 J	<1.7
Benzo(a)anthracene	---	---	---	0.023 J	<0.013	<0.072	NA	<0.0044	<0.14	NA	0.013 J	0.0064 J	<0.022	<0.0045	<0.0043	<0.022
Benzo(a)pyrene	---	---	---	<0.033	<0.018	<0.10	NA	<0.0063	<0.20	NA	<0.017	<0.0063	<0.032	<0.0065	0.0080 J	<0.032
Benzo(b)fluoranthene	---	---	---	0.11 J	0.020 J	<0.12	NA	0.033	<0.23	NA	<0.019	<0.0071	0.13 J	0.14	0.035	<0.036
Benzo(g,h,i)perylene	---	---	---	<0.054	<0.030	<0.17	NA	<0.011	<0.34	NA	<0.029	<0.011	<0.054	0.013 J	<0.010	<0.054
Benzo(k)fluoranthene	---	---	---	<0.049	<0.028	<0.16	NA	0.014 J	<0.31	NA	<0.026	<0.0096	0.15 J	0.041	0.022 J	<0.049
Benzoic acid	---	---	---	<1.7	1.1 J	<5.3	NA	<0.33	38 J	NA	<0.88	1.6	2.6 J	<0.33	3.0	<1.7
Benzyl alcohol	---	6,300	---	<1.7	<0.94	<5.3	NA	<0.33	<10	NA	<0.88	<0.33	<1.7	<0.33	<0.32	<1.7
Bis(2-chloroethyl)ether	---	0.23	---	<0.25	<0.14	<0.80	NA	<0.049	23	NA	<0.13	<0.049	<0.25	<0.050	<0.048	<0.25
Bis(2-ethylhexyl) phthalate	---	39	---	4.0	1.0 B	3.4	NA	1.0	5.5	NA	1.3 B	0.84	11	3.0	4.2	6.9
Butyl benzyl phthalate	---	290	---	<0.32	1.7	5.6	NA	17*	24	NA	1.2	2.0	2.0	1.1	4.3	9.1
Caprolactam	---	---	---	<0.50	<0.28	<1.6	NA	<0.098	<3.1	NA	<0.27	<0.098	<0.50	<0.10	<0.096	<0.50
Chrysene	---	---	---	0.12 J	<0.026	0.26 J	NA	0.068	<0.29	NA	<0.024	<0.0089	0.28	0.24	0.076	0.13 J
Diethyl phthalate	---	---	---	<0.28	<0.16	<0.91	NA	1.2	<1.8	NA	<0.15	0.061 J	<0.28	<0.057	<0.055	<0.28
Di-n-Butyl phthalate	---	---	---	<0.26	2.3	5.1	NA	17	18	NA	0.83	<0.050	5.0	4.6	3.9	16
Fluoranthene	---	---	---	0.17	0.11	0.18 J	NA	0.088	<0.19	NA	0.025 J	0.014 J	0.86	0.79	0.23	0.36
Fluorene	---	---	---	<0.024	<0.013	<0.075	NA	<0.0046	<0.15	NA	<0.013	<0.0046	<0.023	<0.0047	0.0069 J	<0.023
Hexachlorobenzene	---	---	---	<0.039	<0.022	<0.12	NA	<0.0076	<0.24	NA	<0.021	<0.0076	<0.039	<0.0077	<0.0075	<0.039
Isophorone	---	---	---	0.95	<0.11	<0.60	NA	0.088 J	<1.2	NA	<0.10	<0.037	<0.19	<0.037	<0.036	<0.19
Naphthalene	---	---	---	0.040 J	<0.014	0.20 J	NA	0.012 J	0.18 J	NA	0.68	<0.0050	0.061 J	0.041	0.023 J	0.055 J
Nitrobenzene	---	---	---	0.36	<0.023	<0.13	NA	<0.0082	<0.26	NA	<0.022	<0.0082	<0.042	<0.0083	<0.0080	<0.042
N-Nitrosodi-n-propylamine	---	0.078	---	0.57	<0.12	<0.66	NA	<0.040	<1.3	NA	<0.11	<0.040	<0.20	<0.041	<0.039	<0.20
Phenanthrene	---	---	---	0.13 J	0.19	0.27 J	NA	0.049	<0.15	NA	0.043 J	0.013 J	0.53	0.56	0.15	0.25
Phenol	---	---	---	<0.37	<0.21	<1.2	NA	0.30	<2.3	NA	<0.20	<0.073	0.40 J	0.28	<0.072	<0.37
Pyrene	---	---	---	0.088 J	0.085 J	0.17 J	NA	0.054	<0.21	NA	<0.018	<0.0065	0.64	0.44	0.046	0.24

Bold values exceed the Toxic Substance Control Act Disposal Limit
Boxed values exceed the residential bulk sampling clearance standards
Italicized values exceed the high occupany cleanup level
* - laboratory control sample or laboratory control sample duplicate is outside acceptance limits.
--- - no standard established
B - compound was found in the blank and sample.
F1 - matrix spile and/or matrix spike duplicate recovery is outside acceptance limits.
F2 - matrix spike/matrix spike duplicate relative percent difference exceeds control limits

mg/kg - milligrams per kilogram
NA - not analyzed
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
VOCs - volatile organic compounds
V - serial dilution exceeds the control limits

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Toxic Substance Control Act Disposal Limit**	**Residential Bulk Sampling Clearance Standard**	**High Occupany Cleanup Level**	**B34-2-CF1**	**B34-3-CF1**	**B34-3-TC1**
Sample Date				3/8/2017	3/8/2017	3/8/2017
Building				Bldg 34	Bldg 34	Bldg 34
Floor				2	3	3
Media				Concrete	Concrete	Terracota Tile
Surface Sampled				Floor	Floor	Ceiling
Painted, Unpainted, Epoxy Surface				Unpainted	Unpainted	Painted
PCBs (mg/kg)						
Aroclor 1016	---	---	---	<0.089	<0.36	<0.021
Aroclor 1221	---	---	---	<0.11	<0.45	<0.027
Aroclor 1232	---	---	---	<0.11	<0.44	<0.026
Aroclor 1242	---	---	---	<0.082	<0.33	<0.020
Aroclor 1248	---	---	---	<0.099	<0.40	<0.024
Aroclor 1254	---	---	---	0.73	<0.22	0.36
Aroclor 1260	---	---	---	<0.12	<0.50	<0.030
Aroclor 1262	---	---	---	<0.052	<0.21	<0.013
Aroclor 1268	---	---	---	<0.048	<0.19	<0.012
Total Detected PCBs	≥50	---	1	0.73	ND	0.36
Metals (mg/kg)						
Aluminum	---	77,000	---	6,500	10,000	37,000
Antimony	---	31	---	1.7 J	1.2 J	1.4 J
Arsenic	---	0.68	---	1.9	2.6	11
Barium	---	15,000	---	63	63	120
Beryllium	---	---	---	0.30 J	0.45	1.2
Cadmium	---	71	---	1.6	1.1	<0.051
Calcium	---	---	---	190,000 B	280,000 B	45,000 B
Chromium	---	---	---	81 B	100 B	40 B
Chromium, hexavalent	---	0.3	---	5.2	11	<0.81
Chromium, trivalent	---	---	---	76	89	40
Cobalt	---	23	---	9.2	8.0	38
Copper	---	3,100	---	510	130	300
Iron	---	55,000	---	8,000 B	8,900 B	17,000 B
Lead	---	400	---	110	93	140
Magnesium	---	---	---	40,000 B	29,000 B	17,000 B
Manganese	---	1,800	---	170	210	250
Mercury	---	11	---	0.53	0.048	0.047
Molybdenum	---	---	---	8.1	4.6	1.0 J
Nickel	---	1,500	---	110	42	84
Potassium	---	---	---	4,300	4,700	11,000
Selenium	---	---	---	1.1	0.89 J	0.65 J
Silver	---	---	---	0.14 J	<0.11	0.87
Sodium	---	---	---	3,100	1,700	3,300
Strontium	---	---	---	920 B	510 B	140 B
Thallium	---	---	---	<0.35	<0.33	<0.43
Tin	---	---	---	43 B	18 B	56 B
Titanium	---	---	---	340	830	1,100
Vanadium	---	390	---	16	19	96
Zinc	---	23,000	---	8,800	11,000	540
Cyanide, Total (mg/kg)	---	23	---	2.0	0.54	<0.20

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Toxic Substance Control Act Disposal Limit**	**Residential Bulk Sampling Clearance Standard**	**High Occupany Cleanup Level**	**B34-2-CF1**	**B34-3-CF1**	**B34-3-TC1**
Sample Date				3/8/2017	3/8/2017	3/8/2017
Building				Bldg 34	Bldg 34	Bldg 34
Floor				2	3	3
Media				Concrete	Concrete	Terracota Tile
Surface Sampled				Floor	Floor	Ceiling
Painted, Unpainted, Epoxy Surface				Unpainted	Unpainted	Painted
Detected VOCs (mg/kg)						
1,2,4-Trimethylbenzene	---	---	---	<0.022	<0.026	<0.046
1,3,5-Trimethylbenzene	---	---	---	<0.023	<0.028	<0.048
2-Chlorotoluene	---	---	---	<0.019	<0.023	<0.040
4-Methyl-2-pentanone (MI BK)	---	---	---	<0.13	<0.16	<0.27
Acetone	---	---	---	<0.11	<0.13	<0.22*
Benzene	---	---	---	<0.0090	<0.011	<0.019
Bromobenzene	---	---	---	<0.022	<0.026	<0.045
Carbon disulfide	---	---	---	<0.050	<0.058	<0.10
Chloromethane	---	---	---	<0.020	<0.023	<0.041
Ethylbenzene	---	---	---	<0.011	<0.013	<0.023
Hexachlorobutadiene	---	---	---	<0.028	<0.032	<0.057
Isopropylbenzene	---	---	---	<0.024	<0.028	<0.049
Methyl acetate	---	---	---	0.52*	5.2*	1.5*
Methyl tert-butyl ether	---	---	---	<0.024	<0.029	<0.050
Methylcyclohexane	---	---	---	<0.020	<0.023	<0.041
Naphthalene	---	---	---	<0.021	<0.024	<0.043
n- Butylbenzene	---	---	---	<0.024	<0.028	<0.049
N-Propylbenzene	---	---	---	<0.026	<0.030	<0.053
sec- Butylbenzene	---	---	---	<0.025	<0.029	<0.051
Styrene	---	---	---	<0.024	<0.028	<0.049
Toluene	---	---	---	<0.0091	0.11	<0.019
trans-1,2-Dichloroethene	---	---	---	<0.022	<0.025	<0.045
Trichloroethene	---	---	---	<0.010	<0.012	<0.021
Xylenes, Total	---	---	---	<0.014	0.036	0.034 J

Building Material Bulk Sampling
The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Toxic Substance Control Act Disposal Limit**	**Residential Bulk Sampling Clearance Standard**	**High Occupany Cleanup Level**	**B34-2-CF1**	**B34-3-CF1**	**B34-3-TC1**
Sample Date				3/8/2017	3/8/2017	3/8/2017
Building				Bldg 34	Bldg 34	Bldg 34
Floor				2	3	3
Media				Concrete	Concrete	Terracota Tile
Surface Sampled				Floor	Floor	Ceiling
Painted, Unpainted, Epoxy Surface				Unpainted	Unpainted	Painted
Detected SVOCs (mg/kg)						
1,1'- Biphenyl	---	---	---	<0.20	<0.20	0.052 J
1,2,4-Trichlorobenzene	---	---	---	<0.18	<0.18	<0.044
1-Methylnaphthalene	---	---	---	0.075 J	<0.041	<0.010
2-Methylnaphthalene	---	---	---	0.13 J	<0.031	<0.0076
2-Methylphenol	---	---	---	<0.27	<0.27	<0.066
3 & 4 Methylphenol	---	---	---	44	1.2	<0.068
4-Nitroaniline	---	---	---	<0.71	<0.70	<0.17
Acenaphthylene	---	---	---	<0.022	<0.022	0.011 J
Acetophenone	---	---	---	<0.42	<0.42	<0.10
Anthracene	---	---	---	<0.028	<0.028	<0.0069
Benzaldehyde	---	170	---	<1.7	<1.7	0.81 J
Benzo(a)anthracene	---	---	---	<0.023	<0.023	<0.0055
Benzo(a)pyrene	---	---	---	<0.033	<0.033	<0.0079
Benzo(b)fluoranthene	---	---	---	<0.036	<0.036	<0.0089
Benzo(g,h,i)perylene	---	---	---	<0.054	<0.054	<0.013
Benzo(k)fluoranthene	---	---	---	<0.050	<0.050	<0.012
Benzoic acid	---	---	---	56	<1.7	1.1 J
Benzyl alcohol	---	6,300	---	3.7	<1.7	<0.41
Bis(2-chloroethyl)ether	---	0.23	---	<0.25	<0.25	<0.062
Bis(2-ethylhexyl) phthalate	---	39	---	390*	55	0.59
Butyl benzyl phthalate	---	290	---	780	11	0.58
Caprolactam	---	---	---	<0.50	<0.50	<0.12
Chrysene	---	---	---	0.24	<0.046	0.020 J
Diethyl phthalate	---	---	---	<0.29	<0.28	<0.070
Di-n-Butyl phthalate	---	---	---	120	3.9	2.0
Fluoranthene	---	---	---	0.24	0.28	0.083
Fluorene	---	---	---	<0.024	<0.024	<0.0058
Hexachlorobenzene	---	---	---	<0.039	<0.039	<0.0095
Isophorone	---	---	---	50	<0.19	<0.046
Naphthalene	---	---	---	1.2	0.028 J	<0.0063
Nitrobenzene	---	---	---	<0.042	<0.042	<0.010
N-Nitrosodi-n-propylamine	---	0.078	---	<0.21	<0.21	<0.050
Phenanthrene	---	---	---	0.16 J	0.28	0.060
Phenol	---	---	---	2.2	0.62 J	<0.091
Pyrene	---	---	---	<0.033	0.24	0.032 J

Bold values exceed the Toxic Substance Control Act Disposal Limit
Boxed values exceed the residential bulk sampling clearance standards
Italicized values exceed the high occupany cleanup level
* - laboratory control sample or laboratory control sample duplicate is outside acceptance limits.
--- - no standard established
B - compound was found in the blank and sample.
F1 - matrix spile and/or matrix spike duplicate recovery is outside acceptance limits.
F2 - matrix spike/matrix spike duplicate relative percent difference exceeds control limits

mg/kg - milligrams per kilogram
NA - not analyzed
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
VOCs - volatile organic compounds
V - serial dilution exceeds the control limits

Building 11 PCB Pilot Test, Bulk Analytical Results and Percent Reduction

The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, Wisconsin

Sample ID	**Toxic Substance Control Act Disposal Limit**	**High Occupany Cleanup Level with an Approved Cap**	**Concrete Decontamination Standard**	**B11-B-CC1**	**B11-B-CC1-P1**	**B11-B-CC1-P2**	**B11-B-CC1-P3**	**B11-1-BW1**	**B11-1-BW1-P1**	**B11-1-BW1-P2**	**B11-1-BW1-P3**
Pilot Test Stage				**Pre-Cleaning**	**PowerCleaner 155 Cleaned**	**CAPSUR Cleaned**	**CAPSUR Cleaned, HEPA**	**Pre-Cleaning**	**PowerCleaner 155 Cleaned**	**CAPSUR Cleaned**	**CAPSUR Cleaned, HEPA**
Sample Type				Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk
Sample Date				3/9/2017	6/28/2017	6/28/2017	6/28/2017	3/9/2017	7/5/2017	7/5/2017	7/5/2017
Building No.				Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	11	11
Building Floor No.				Basement	Basement	Basement	Basement	1	1	1	1
Media				Concrete	Concrete	Concrete	Concrete	Brick	Brick	Brick	Brick
Surface Type				Column	Column	Column	Column	Wall	Wall	Wall	Wall
Painted, Unpainted, Epoxy Surface				Unpainted	Unpainted	Unpainted	Unpainted	Painted	Painted	Painted	Painted
PCBs (mg/kg)											
Aroclor 1016	---	---	---	<32	<8.7	<7.7	<7.8	<63	<17	<17	<17
Aroclor 1221	---	---	---	<39	<11	<9.6	<9.7	<79	<21	<21	<21
Aroclor 1232	---	---	---	<39	<11	<9.5	<9.6	<78	<21	<21	<21
Aroclor 1242	---	---	---	<29	<8.1	<7.2	<7.2	<59	<16	<16	<16
Aroclor 1248	---	---	---	<35	<9.7	<8.6	<8.7	<71	<19	<19	<19
Aroclor 1254	---	---	---	640	180	130	55	1,400	190	210	310
Aroclor 1260	---	---	---	<44	<12	<11	<11	<88	<24	<24	<24
Total Detected PCBs	≥50	≥1 and ≤10	---	***640***	***180***	***130***	***55***	***1,400***	***190***	***210***	***310***

Building 11 PCB Pilot Test, Bulk Analytical Results and Percent Reduction

The Barclay, 300 South Barclay Street and 139 East Oregon Street, Milwaukee, W

Sample ID	**Toxic Substance Control Act Disposal Limit**	**High Occupany Cleanup Level with an Approved Cap**	**Concrete Decontamination Standard**	**B11-1-CC1**	**B11-1-CC1-P1**	**B11-1-CC1-P2**	**B11-1-CC1-P3**	**B11-2-CF1**	**B11-2-CF1-P1**	**B11-2-CF1-P2**	**B11-2-CF1-P3**
Pilot Test Stage				**Pre-Cleaning**	**PowerCleaner 155 Cleaned**	**CAPSUR Cleaned**	**CAPSUR Cleaned, HEPA**	**Pre-Cleaning**	**PowerCleaner 155 Cleaned**	**CAPSUR Cleaned**	**CAPSUR Cleaned, HEPA**
Sample Type				Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk	Bulk
Sample Date				3/9/2017	6/28/2017	6/28/2017	6/28/2017	3/9/2017	6/28/2017	6/28/2017	6/28/2017
Building No.				Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11	Bldg 11
Building Floor No.				1	1	1	1	2	2	2	2
Media				Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Surface Type				Column	Column	Column	Column	Floor	Floor	Floor	Floor
Painted, Unpainted, Epoxy Surface				Painted	Painted	Painted	Painted	Epoxy	Epoxy	Epoxy	Epoxy
PCBs (mg/kg)											
Aroclor 1016	---	---	---	<31	<8.8	<9.2	<9.7	<35	<0.016	<0.015	<0.015
Aroclor 1221	---	---	---	<38	<11	<11	<12	<43	<0.020	<0.019	<0.019
Aroclor 1232	---	---	---	<38	<11	<11	<12	<43	<0.020	<0.019	<0.019
Aroclor 1242	---	---	---	<29	<8.2	<8.5	<9.0	<32	<0.015	<0.014	<0.014
Aroclor 1248	---	---	---	<34	<9.8	<10	<11	<39	<0.018	<0.017	<0.017
Aroclor 1254	---	---	---	390	280	150	120	170	0.37	0.35	0.32
Aroclor 1260	---	---	---	<43	<12	<13	<13	<48	<0.022	<0.021	<0.021
Total Detected PCBs	≥50	≥1 and ≤10	---	***390***	***280***	***150***	***120***	***170***	0.37	0.35	0.32

PARAMETERS	PSA-F1	PSA-F2	PSA-F3	PSA-C1
SURFACE	FLOOR	FLOOR	FLOOR	CEILING
STATUS	PRE-CLEANING	POST-CLEANING	EPOXY SEALED	PRE-CLEANING
DATE COLLECTED	11/3/2016	11/7/2016	11/15/2016	11/3/2016
METALS (TOTAL µG/0.5 FT^2)				
Aluminum	2730	668	<8.7	182
Antimony	810	23.5	11.7	25.9
Arsenic	31.1	0.90J	<0.64	7
Barium	2090	88.4	0.48J	1150
Cadmium	26.2	0.88	<0.066	6.4
Chromium	7690	169	<0.19	161
Cobalt	2.5J	0.11J	<0.097	2.5
Iron	9600	309	2.8J	1530
Lead	11400	267	<0.43	56.4
Mercury	0.32	<0.033	<0.0033	0.18
Potassium	1980	102	<8.2	212
Selenium	<7.7	<0.77	<0.77	1J
Silver	<2.8	<0.28	<0.28	<0.28
Tin	26.0J	1.3J	0.79J	2.1J
Titanium	224	9.1	17.7	53.1
Zinc	2490	188	3.0J	780

PSA-C2	PSA-C3	PSA-CL1	PSA-CL2	PSA-CL3	PSA-B1
CEILING	CEILING	COLUMN	COLUMN	COLUMN	BRICK
POST-CLEANING	PAINT SEALED	PRE-CLEANING	POST-CLEANING	PAINT SEALED	PRE-CLEANING
11/7/2016	11/15/2016	11/3/2016	11/7/2016	11/15/2016	11/3/2016
257	<8.7	371J	363	<8.7	747
14.1	30.6	35.3	18.1	33.4	454
3.3	<0.64	<6.4	6	<0.64	14.4
2370	8.2	3440	666	1	866
13	<0.066	14.9	35	<0.066	32.9
79.4	0.73J	2630	321	0.38J	1800
2.1	<0.097	5.2	5	<0.097	2.2
634	14.4	1000	594	5.6J	4280
60.5	1.2	2250	512	0.46J	2080
<0.033	<0.0033	0.064J	0.057J	<0.0033	0.05J
108	14J	196J	126	13.9J	894
<0.77	<0.77	<7.7	<0.77	<0.77	0.99J
<0.28	<0.28	<2.8	<0.28	<0.28	<0.28
1.5J	0.57J	<3.8	1.7J	0.58J	5.2
110	39.7	100	58.6	38.5	281
1470	15.1	1150	929	7.7	2200

PSA-B2	PSA-B3
BRICK	BRICK
POST-CLEANING	PAINT SEALED
11/7/2016	11/15/2016
440	10.9J
59	15.8
18.7	<0.64
1170	4.6
226	<0.066
312	0.34J
3	<0.097
1180	4.4J
664	0.50J
NA	<0.0033
448	25.5J
<7.7	0.78J
<0.28	<0.28
1.7J	0.9J
114	38.4
1590	4.7

SET utilized a new paint brush and a new small dust pan to collect dust from the surface to be tested. The dust was placed into a certified clean glass jar for offsite analysis at a certified lab.

Stockpiled Soil/Debris Inside the Building

SET obtained a composite sample from stockpiles that were observed during the site walk on August 4th. SET utilized new sampling equipment at each sample location. The soil/debris pile was sampled at 5 separate locations. The samples were then placed into a container to homogenize, prior to being placed in a certified clean glass jar for off-site analysis at a certified lab.

Wood Flooring

SET removed visually impacted wood from the floor. The sample points were determined by where the floor exhibits previous damage/extreme cracking. Only a relatively small area of wood chips/pieces were removed from each sample point and placed into a certified clean glass jar for off-site analysis at a certified lab.

Concrete

SET collected concrete samples by first drilling several ½ inch wide holes into the top 2 inches of the concrete floor at the specified sample location. SET then utilized a new paint brush and a new small dust pan to collect dust from the floor to be tested. The dust was placed into a certified clean glass jar for offsite analysis at a certified lab.

SAMPLE NAME	FLOOR	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CHROMIUM (ppm)
WPC-1	5	3000	1600
WPC-2	5	16000	1400
WPC-3	5	7900	18000
WPC-4	5	6100	<0.10
WPC-5	5	83000	<0.10
WPC-6	5	15000	<0.10
WPC-7	5	60000	17000
WPC-8	5	140000	<0.10
WPC-9	4	770	3300
WPC-10	4	1300	2200
WPC-11	4	150	410
WPC-12	4	23000	12000
WPC-13	4	52000	580
WPC-14	4	1100	3000
WPC-15	4	8500	14000
WPC-16	4	8500	3800
WPC-17	3	4100	9300
WPC-18	3	600	3700
WPC-19	3	470	2300
WPC-20	3	13000	<0.10
WPC-21	3	1000	670
WPC-22	3	21000	5300
WPC-23	3	11000	<0.10
WPC-24	3	59	400
WPC-25	2	3000	1900
WPC-26	2	15000	6400
WPC-27	2	110	180
WPC-28	2	1300	1500
WPC-29	2	650	940
WPC-30	2	34000	25000
WPC-31	2	24000	12000
WPC-32	2	78	810
WPC-33	1	5700	7000
WPC-34	1	52000	<0.10
WPC-35	1	11000	2300
WPC-36	1	15000	13000
WPC-37	1	19000	31000
WPC-38	1	2300	6600
WPC-39	1	4100	12000
WPC-40	1	88	1300
WPC-41	BASEMENT	12000	30000
WPC-42	BASEMENT	14000	26000
WPC-43	BASEMENT	1600	4600
WPC-44	BASEMENT	8200	22000
WPC-45	BASEMENT	16000	24000
WPC-46	BASEMENT	13000	13000

WPC-47	BASEMENT	8600	11000
WPC-48	BASEMENT	17000	22000

Summary Statistics		**HEXAVALENT CHROMIUM (ppm)**	**TRIVALENT CHROMIUM (ppm)**
N		48	41
Min		59	180
25th Percentile		1300	1600
50th Percentile		8500	5300
75th Percentile		16000	13000
90th Percentile		39400	24000
95th Percentile		57200	26000
Max		140000	31000
Mean		15735	9110
Geometric Mean		4867	4525

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)	pH (SU)	LOCATION
240	4600	9100	8.4	FLOOR
32	18000	18000	8.2	BATHROOM FLOOR
39	26000	79000	8.4	CONTAINMENT AREA
91	4800	5800	8.1	FLOOR
51	58000	770	7.8	FLOOR
5.5	7300	640	8.6	FLOOR
120	77000	14000	7.7	BEAM
<9.9	11000	21	7.3	HVAC DUCT
9.1	4100	2400	NR	NEAR ELEVATOR
2.6	3600	730	NR	FLOOR
<9.8	560	240	NR	DRUM RING-FLOOR
33	35000	19000	NR	DOORWAY
44	53000	28000	NR	FLOOR
2.7	4100	910	NR	FLOOR
110	23000	52000	NR	FLOOR
12	12000	11000	NR	BATHROOM FLOOR
8.1	13000	13000	NR	STAIRWELL
<9.7	4300	1500	NR	FLOOR
<7.9	2800	520	NR	CONTAINMENT AREA
<9.7	2500	39	NR	CONTAINMENT AREA
1.7	1700	580	NR	FLOOR
14	26000	17000	NR	FLOOR
4.4	7600	7700	NR	FLOOR
3.4	460	170	NR	LOCKER ROOM FLOOR
11	5000	5500	NR	TILE FLOOR
4.3	21000	11000	NR	CONCRETE FLOOR
0.39	280	170	NR	FLOOR
3	2800	5100	NR	FLOOR
0.59	1600	560	NR	FLOOR
22	59000	26000	NR	TILE FLOOR
15	36000	45000	NR	OFFICE FLOOR
1.3	880	270	NR	TILE FLOOR
24	13000	12000		STAIRWELL
50	26000	12000		FLOOR
50	13000	6200		FLOOR
19	28000	30000		FLOOR
44	50000	32000		FLOOR
290	8900	64000		FLOOR
130	16000	32000		FLOOR
10	1400	900		LOADING DOCK
26	42000	65000	8.1	DRILL DUST-FLOOR AND WALL
42	40000	70000	7.4	BEAM
42	6100	12000	7.2	FLOOR
150	30000	51000	8.1	NEAR ELECTRIC PANEL
26	40000	22000	9	SEPARATE ROOM
21	27000	15000	8.5	DRILL FLOOR CONTAINMENT AREA

27	40000	40000	8.7	CONCRETE TANK BASE
37	39000	89000	8.5	DRILL FROM FLOOR

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)	pH (SU)
43	48	48	16
0.39	280	21	7.2
6.8	4100	867.5	7.775
24	13000	11500	8.15
44	31250	28500	8.5
118	44400	55600	8.65
148	56250	68250	8.775
290	77000	89000	9
43	19737	19350	8
18	9897	5488	8

SAMPLE NAME	FLOOR	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CHROMIUM (ppm)
WPC-49	1	0.67	320
WPC-50	1	40	130
WPC-51	1	160	460
WPC-52	1	17	130
WPC-53	1	0.39	760
WPC-54	1	18000	28000
WPC-55	1	72	1300
WPC-56	2	120	10000
WPC-57	2	<2	870
WPC-58	2	100	72
WPC-59	2	220	1600
WPC-60	2	77	4500
WPC-61	2	8.6	710
WPC-62	2	17	560
WPC-63	3	11	0.97
WPC-64	3	170	1400
WPC-64	3	52	1300
WPC-66	3	130	780
WPC-67	3	160	750
WPC-68	3	140	2400
WPC-69	3	1300	1800

Summary Statistics		**HEXAVALENT CHROMIUM (ppm)**	**TRIVALENT CHROMIUM (ppm)**
N		20	21
Min		0.39	0.97
25th Percentile		17	460
50th Percentile		88.5	780
75th Percentile		160	1600
90th Percentile		328	4500
95th Percentile		2135	10000
Max		18000	28000
Mean		1040	2754
Geometric Mean		60	700

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)	LOCATION
26	320	980	BOTTOM OF PIPE SHAFT
2.3	170	120	BORING DRILL HOLE
4.2	620	1400	FLOOR
4.3	140	590	BEAM
2.2	760	340	FLOOR
24	46000	54000	FLOOR GRATING CHANNEL
8	1400	1300	FLOOR
32	10000	4300	WOOD FLOOR
89	870	8000	WINDOW AND SILL
42	170	1000	WOOD FLOOR
570	1800	8300	WOOD FLOOR
1100	4600	16000	WOOD FLOOR
55	710	2500	EXHAUST FAN
25	570	2000	WOOD FLOOR
<0.95	12	7.6	STAIRWELL
9.9	1600	900	TILE FLOOR
11	1300	1200	TILE FLOOR
16	910	1000	TILE FLOOR
4.8	910	670	TILE FLOOR
4.2	2500	740	CONCRETE FLOOR
25	3000	1400	TILE FLOOR

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)
20	21	21
2.2	12	7.6
4.675	570	740
20	910	1200
34.5	1800	2500
137.1	4600	8300
596.5	10000	16000
1100	46000	54000
103	3732	5083
19	921	1312

SAMPLE NAME	FLOOR	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CHROMIUM (ppm)
WPC-70	3	8	280
WPC-71	3	9.9	180
WPC-72	3	7.4	98
WPC-73	3	20	810
WPC-74	3	3	820
WPC-75	2	25	1000
WPC-76	2	41	870
WPC-77	2	<5	130
WPC-78	2	17	860
WPC-79	1	32	1000
WPC-80	1	<1.9	3200
WPC-81	1	170	1700
WPC-82	1	9.4	19
WPC-83	1	200	1500

Summary Statistics		HEXAVALENT CHROMIUM (ppm)	TRIVALENT CHROMIUM (ppm)
N		12	14
Min		3	19
25th Percentile		9.05	205
50th Percentile		18.5	840
75th Percentile		34.25	1000
90th Percentile		157.1	1640
95th Percentile		183.5	2225
Max		200	3200
Mean		45	891
Geometric Mean		21	493

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)	pH (SU)	LOCATION
250	290	1500	NR	WINDOW AND SILL
1.7	190	190	NR	CONCRETE FLOOR
2.1	100	120	NR	WOOD FLOOR
5	830	640	NR	CONCRETE FLOOR
15	820	5100	NR	CONCRETE FLOOR
2.2	1100	250	NR	CONCRETE FLOOR
3.5	910	220	NR	CONCRETE FLOOR
6.1	130	1200	NR	CONCRETE FLOOR
47	880	510	NR	CONCRETE FLOOR
14	1000	1700	4.6	CONCRETE FLOOR
6.9	3200	1900	6.9	CONCRETE FLOOR
15	1800	2300	6.6	CONCRETE FLOOR
1.9	28	630	7.3	CONCRETE FLOOR
5.7	1700	2700	6.6	CONCRETE FLOOR

CADMIUM (ppm)	CHROMIUM (ppm)	LEAD (ppm)	pH (SU)
14	14	14	5
1.7	28	120	4.6
2.525	215	315	6.6
5.9	855	920	6.6
14.75	1075	1850	6.9
37.4	1770	2580	7.14
118.05	2290	3540	7.22
250	3200	5100	7.3
27	927	1354	6
8	524	804	6

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Summary Statistics	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CH	CADMIUM	CHROMIUM (pp
N	48	41	43	48
Min	59	180	0.39	280
25th Percentile	1300	1600	6.8	4100
50th Percentile	8500	5300	24	13000
75th Percentile	16000	13000	44	31250
90th Percentile	39400	24000	118	44400
95th Percentile	57200	26000	148	56250
Max	140000	31000	290	77000
Mean	15735	9110	43	19737
Geometric Mean	4867	4525	18	9897

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Summary Statistics	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CH	CADMIUM	CHROMIUM (pp
N	20	21	20	21
Min	0.39	0.97	2.2	12
25th Percentile	17	460	4.675	570
50th Percentile	88.5	780	20	910
75th Percentile	160	1600	34.5	1800
90th Percentile	328	4500	137.1	4600
95th Percentile	2135	10000	596.5	10000
Max	18000	28000	1100	46000
Mean	1039.783	2754.42714	102.745	3731.52381
Geometric Mean	60.29339658	699.521533	19.08992	920.9885075

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Summary Statistics	HEXAVALENT CHROMIUM (ppm)	TRIVALENT CH	CADMIUM	CHROMIUM (pp
N	12	14	14	14
Min	3	19	1.7	28
25th Percentile	9.05	205	2.525	215
50th Percentile	18.5	840	5.9	855
75th Percentile	34.25	1000	14.75	1075
90th Percentile	157.1	1640	37.4	1770
95th Percentile	183.5	2225	118.05	2290
Max	200	3200	250	3200
Mean	45.225	890.5	26.86429	927
Geometric Mean	20.72143402	492.554518	7.642486	524.02543

LEAD (ppm)	pH (SU)
48	16
21	7.2
867.5	7.775
11500	8.15
28500	8.5
55600	8.65
68250	8.775
89000	9
19350	8
5488	8

LEAD (ppm)
21
7.6
740
1200
2500
8300
16000
54000
5083.219048
1312.430388

LEAD (ppm)	pH (SU)
14	5
120	4.6
315	6.6
920	6.6
1850	6.9
2580	7.14
3540	7.22
5100	7.3
1354.285714	6.4
804.3889097	6.321258

Metal	**Range, Bdg 11**	**Mean, Bldg 11**	**Range, Bdg 33**
CrVI	59-140,000	15,735	0.39-18,000
CrIII	180-31,000	9,110	0.97-28,000
Cd	0.39-290	43	2.2-1,100
Pb	21-89,000	19350	7.6-54,000

*diet

Mean, Bldg 33	Range, Bldg 34	Mean, Bldg 34	RSL	RML
1040	3-200	45	0.3 (Ca)	31
2754	19-3,200	891	120,000	350,000
103	1.7-250	27	71*	210*
5083	120-5,100	1354		