

Table A.2.c
Pre-remedial Soil Analytical Table: Dioxin and Furan
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE INFORMATION				DIOXINS (ng/g)										FURANS (ng/g)										TEQs	
REPORT NUMBER	SAMPLE ID	DATE	DEPTH (ft. bgs)	TETRA	i-TEF = 1	PENTA	i-TEF = 0.5	HEXA	i-TEF = 0.1	HEPTA	i-TEF = 0.01	OCTA	i-TEF = 0.001	TETRA	i-TEF = 0.1	PENTA	i-TEF = 0.05	HEXA	i-TEF = 0.1	HEPTA	i-TEF = 0.01	OCTA	i-TEF = 0.001	STANDARD ⁽¹⁾ (20 ng/g)	
INDUSTRIAL DIRECT CONTACT RCLs				1.84E-08		1.84E-08		1.84E-07		1.84E-06		6.12E-05		1.33E-07		4.42E-08		1.33E-07		1.00E-06		4.42E-05			
5	Site 1	6/19/1986	0.5	ND	0	ND	0	270	27	3,600	36	11,600	11.6	7.6	0.76	68.5	3.425	473	47.3	1,130	11.3	1,180	1.18	138.565	
	Site 2	6/19/1986	0.5	ND	0	ND	0	297	29.7	4,380	43.8	14,500	14.5	3.3	0.33	102	5.1	562	56.2	1,460	14.6	2,000	2	166.23	
	Site 3	6/19/1986	0.5	ND	0	ND	0	283	28.3	4,740	47.4	14,400	14.4	2.4	0.24	86.3	4.315	607	60.7	1,620	16.2	3,030	3.03	174.585	
	Site 7	8/5/1986	Surface	0.081	0.081	0.48	0.24	116	11.6	1,680	16.8	7,060	7.06	1.6	0.16	26	1.3	440	44	1,960	19.6	3,350	3.35	104.191	
	Site 10	8/5/1986	Surface	0.03	0.03	0.52	0.26	160	16	3,920	39.2	18,500	18.5	2.1	0.21	37.4	1.87	380	38	2,370	23.7	9,150	9.15	146.92	
7	W-7 ⁽²⁾	NR	NR	ND	0	4.6	2.3	1,340	134	16,500	165	48,800	48.8	13.9	1.39	268	13.4	2,270	227	9,530	95.3	66,600	66.6	753.79	
	W-4 ⁽²⁾	NR	NR	ND	0	ND		735	73.5	9,990	99.9	43,000	43	29.9	2.99	262	13.1	2,380	238	13,500	135	73,900	73.9	679.39	
	W-15 ⁽²⁾	NR	NR	ND	0	25.2	12.6	1,120	112	171,000	1710	70,900	70.9	35.2	3.52	213	10.65	3,270	327	24,300	243	111,000	111	2600.67	
	W-6 ⁽²⁾	NR	NR	3.3	3.3	18.4	9.2	668	66.8	11,900	119	57,600	57.6	19.3	1.93	174	8.7	2,760	276	17,000	170	854,000	854	1566.53	
11	Dip Room	NR	Surface	No information	-	No information	--	0.0571	0.00571	0.941	0.00941	2.56	0.00256	0.00067	0.00067	0.0136	0.00068	0.135	0.0135	0.461	0.00461	0.507	0.000507	0.037044	
12	B-217	9/27/1988	32.5-34	ND	0	0.85	0.425	17	1.7	78	0.78	99	0.099	ND	0	ND	0	6.8	0.68	120	1.2	390	0.39	5.274	

Created by: Nate Keller/Barbara Glijer
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Notes:

- ⁽¹⁾ Standard is the 2,3,7,8 TCDD OSWER cleanup level for an industrial setting.
- ⁽²⁾ Samples were collected from the floating product layer on top of the water table. Therefore, these results do not represent soil conditions and thus were not identified as an exceedence of soil standards. Samples were stored under refrigeration for a period of time between 1-2 years.
- NA = not analyzed.
- ND = analyzed but not detected; ND indicates method detection limit not included in report, otherwise shown as < .
- NR = no record of date or depth of sample.
- bgs = below ground surface.
- TEQ = sum of concentrations of individual congeners * congener-specific TEF.
- TEQ = TCDD Toxicity Equivalence Concentration.
- TEF = Toxicity Equivalency Factor (international TEFs were used).
- Bolded values represent exceedence of standard.**