

**Table 2. Soil Analytical Results - USEPA RML and CFR**

BNSF/North of Loewenthal Metals

Chicago, Cook County, Illinois

All results are presented in milligrams/kilograms (mg/kg) unless otherwise noted

Analyses	Exposure Route-Specific Values for Soils <sup>1</sup>				Sample ID, Sample Depth, and Sample Date					
	40 CFR Part 261 <sup>2</sup>	U.S. EPA RML-Res <sup>3</sup>	U.S. EPA RML-Ind <sup>4</sup>	40 CFR Part 745 <sup>5</sup>	GP-1	GP-1	GP-2	GP-2	GP-3	GP-3
					0-2'	2-4'	0-2'	2-4'	0-2'	2-4'
					6/21/2013					
<b>PAHs</b>										
Acenaphthene	N/A	<b>10,000</b>	99,000	N/A	0.461	< 0.0408	0.114	0.0459	0.741	0.0394
Acenaphthylene <sup>3</sup>	N/A	NE	NE	N/A	0.379	0.0476	0.160	0.101	0.860	0.148
Anthracene	N/A	<b>52,000</b>	500,000	N/A	1.7	0.0879	0.488	0.223	4.17	0.162
Benzo(a)anthracene	N/A	<b>15</b>	210	N/A	7.38	0.324	2.02	0.787	<b>18.0</b>	1.74
Benzo(a)pyrene	N/A	<b>1.5</b>	21	N/A	<b>6.81</b>	0.282	<b>1.53</b>	0.683	<b>15.6</b>	1.50
Benzo(b)fluoranthene	N/A	<b>15</b>	210	N/A	12.1	0.602	3.66	1.50	<b>32.9</b>	2.60
Benzo(g,h,i)perylene <sup>3</sup>	N/A	NE	NE	N/A	3.37	0.107	0.517	0.261	5.49	0.447
Benzo(k)fluoranthene	N/A	<b>150</b>	2,100	N/A	< 0.0402	< 0.0408	< 0.0752	< 0.041	< 0.429	0.0394
Chrysene	N/A	NE	NE	N/A	6.72	0.341	2.00	0.868	16.9	1.73
Dibenzo(a,h)anthracene	N/A	<b>1.5</b>	21	N/A	1.11	< 0.0408	0.231	0.0841	<b>1.74</b>	0.135
Fluoranthene	N/A	<b>6,900</b>	66,000	N/A	12.2	0.589	4.05	1.43	37.2	1.67
Fluorene	N/A	<b>6,900</b>	66,000	N/A	0.432	< 0.0408	0.111	0.0491	0.998	0.0394
Indeno(1,2,3-cd)pyrene	N/A	<b>15</b>	210	N/A	3.12	0.115	0.545	0.252	5.42	0.391
Naphthalene	N/A	<b>360</b>	1,800	N/A	0.588	0.148	0.301	0.278	0.902	0.155
Phenanthrene <sup>3</sup>	N/A	NE	NE	N/A	6.17	0.454	2.12	1.11	16.7	0.393
Pyrene	N/A	<b>5,200</b>	50,000	N/A	8.35	0.486	2.80	1.05	25.6	3.06
<b>Metals</b>										
Arsenic	N/A	<b>39</b>	160	N/A	<b>125</b>	12.7	<b>107</b>	39.0	<b>39.8</b>	15.0
Barium	N/A	46,000	570,000	N/A	246	105	402	365	669	90.9
Cadmium	N/A	<b>210</b>	2,400	N/A	6.5	2.0	4.9	3.1	8.2	85.0
Chromium	N/A	NE	NE	N/A	28.1	10.6	25.2	20.3	26.9	15.6
Copper	N/A	<b>9,400</b>	120,000	N/A	347	60.2	324	256	409	64.9
Lead (Total)	N/A	<b>400</b>	800	1,200	<b>1,040</b>	109	<b>1,220</b>	<b>1,130</b>	<b>3,190</b>	169
Manganese	N/A	<b>5,500</b>	68,000	N/A	397	156	400	294	396	348
Mercury	N/A	<b>30</b>	130	N/A	1.8	0.94	0.86	0.47	0.69	0.36
Selenium	N/A	<b>1,200</b>	15,000	N/A	1.9	< 1.8	< 1.7	< 1.8	2.2	< 3.5
Silver	N/A	<b>1,500</b>	15,000	N/A	< 0.83	< 0.82	< 0.81	< 0.83	0.92	< 0.81
Zinc	N/A	<b>70,000</b>	920,000	N/A	1,810	639	1,880	923	1,760	8,740
<b>TCLP Lead</b>										
Lead (TCLP) (mg/L)	5	NE	NE	N/A	< 0.50	< 0.50	< 0.50	< 0.50	<b>49.8</b>	< 0.50
<b>pH</b>					7.4	6.5	7.7	7.5	7.3	7.0

Notes are provided on Page 2 of 2.

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**NOTES**

Soil depths are measured in feet below ground surface (bgs).

NE Removal level not established by the USEPA for this compound.

N/A Regulations not applicable to this compound.

CFR Code of Federal Regulations

RML Removal Management Level

<0.83 Analyte/compound not present at concentration above laboratory reporting limit.

**1.9** Indicates detected concentration above the most stringent USEPA level.

<sup>1</sup> Bolded remediation objective is the most stringent of the USEPA RMLs or CFRs.

<sup>2</sup> 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste. TCLP lead samples with concentrations above 5 mg/L will be classified as hazardous waste.

<sup>3</sup> USEPA's Removal Management Level for residential properties.

<sup>4</sup> USEPA's Removal Management Level for industrial/commercial properties.

<sup>5</sup> 40 Code of Federal Regulations Part 745, Lead-Based Paint Poisoning Prevention in Certain Residential Structures.