178079

	S		D	
	<500	>500	<	>500
Priority	33	20	22	31
Non	231	92	222	47

ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

June 22, 1992

Brad Bradley, HSRL-6J
Remedial Project Manager
U.S. Environmental Protection Agency
77 West Jackson Blvd.
Chicago, Illinois 60604

Re: NL Industries Field Sample Analytical Data
Work Assignment 22-5NK7

Dear Brad:

Enclosed please find the analytical data tables for the NL Industries field samples and the field duplicate samples. The data tables consist of the home identification numbers listed in ascending order, followed by the XRF lead paint readings reported in milligrams per square centimeter (mg/cm²), lead and cadmium soil results reported in milligrams per kilogram (mg/kg), lead and cadmium dust results presented in mg/kg, and lead and cadmium water results reported in micrograms per liter (µg/L).

In addition, the symbols and qualifiers used in the data tables are defined in the key at the end of each table. The soil results and one water result were reanalyzed due to data quality concerns identified by David Payne of EPA. The results from the reanalysis of the soil samples are reported in the attached data tables. Only one water sample had its original data value changed. The change is noted on the table.

The action levels for the samples collected per the NL Industries QAPP dated September 18, 1991 are as follows:

	Lead	Cadmium
Play Area Soil	500 mg/kg	136 mg/kg
House Dust	500 mg/kg	136 mg/kg
Drinking Water	15 µg/L	5 µg/L
Interior Paint	0.7 mg/cm²	NA

E & E has compiled the analytical results in tabular form and has provided applicable data qualifiers. Per the EPA QAPP, E & E has not evaluated the data from a human health perspective.

recycled paper

I will forward the attached analytical data tables to Dr. Fred Stalings of ATSDR on a 3½-inch computer disk per your instructions. Maurice LeVois of IEHR has indicated to E & E that he can re-format the data for ATSDR if necessary. If you have any questions, do not hesitate to call me.

Sincerely,

ECOLOGY AND ENVIRONMENT, INC.

David Klatt

David Klatt, CHMM
Site Manager

cc: Thomas Short, EPA ARCS PO w/o enclosure
Brigitte Manzke, EPA ARCS CO w/o enclosure
Thomas Yeates, E & E

7965:1

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
PRIORITY SAMPLES
ARCS WA# 22-5NK7

HOME ID#	PAINT MG/CM2	SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
146	2.1	1180	4.5	1600 (100)	10.0 (0.2)	3.8	U
327	0.8	390	3.8	490	13.0	U	U
518	1.0	351	4.1	NA	NA	9.5	U
682	11.4	410	3.4	1600	4.6	U	U
770	0.7	2440	3.7	2800	6.6	16.7	2.30
1065	0.3	311	3.1	240	4.6	U	U
1178	3.4	384	3.8	4100	10.0	U	U
1306	0.2	210	2.1	750	5.1	3.7	U
1313	5.1	488	6.1	1200	6.6 (0.1)	U	0.64
1334	0.2	703	7.0	600	6.7	14.5	U
1360	4.8	1050	3.1	15000	22.0	U	U
1669	0.1	196	2.2	160	4.7	2.3	U
1830	3.8	295	2.9	1200	6.0	2.0J	U
1917	2.5	364	2.9	180	4.6	U	U
2032	0.7	962	3.7	520	5.3	U	0.63
2060	1.5	248	2.7	370 (10)	8.9	15.9	U
2094	0.2	768	4.4	580	6.3	U	U
2096	16.2	575	5.9	25000	9.3	4.5	U
2287	0.1	144	2.3	110	2.7	U	U
2523	5.8	1720	7.8	660	9.0	U	U
2593	0.3	938	2.8	1800	12.0	U	U
2625	0.3	236	2.4	220	6.4	U	U
2752	0.5	797	4.4	510	6.7	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
PRIORITY SAMPLES
ARCS WA# 22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	SOIL MG/KG LEAD	SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
2765	0.7	580	2.5	560	7.8	U	U
2767	2.6	396	3.2	470 (10)	7.9	U	U
2768	2.9	396	3.2	*823 (264)	*10.7 (0.5)	*4.2	*1.6
2877	0.3	538	3.0	600	8.8	2.0	U
2963	0.4	388	3.4	510	4.9 (0.1)	4.6	U
3129	2.1	345	2.8	1700 (100)	6.0 (0.3)	2.1	U
3138	0.7	722	2.9	590	5.9	U	U
3172	0.1	223	5.9	150	2.8	NA	NA
3281	0.0	345	2.2	150	3.2	U	U
3502	1.1	373	3.9	330	12.0	10.8	0.63
3603	7.3	1030	4.8	1700	4.1	2.9	1.40
5067	1.9	544	3.5	220	5.1	U	U
5123	10.5	1800	4.8	1200	5.1	U	U
5403	7.1	195	2.7	5900 (100)	37.0 (1)	U	0.65
5405	2.5	**216	**2.0	220	4.8	4.2	U
6058	0.5	191	1.8	370	10.0	U	U
6212	1.2	695	3.8	270 (20)	4.3 (1.9)	10.8	U
6285	0.1	364	3.6	560 (110)	13.0	2.0	U
6295	1.2	306	2.4	440	3.3	U	U
6839	0.4	NA	NA	120	3.0	U	U
6972	5.9	460	4.3	1000 (20)	4.5 (0.2)	7.1	4.70
7784	0.1	291	3.5	650 (60)	4.8	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
PRIORITY SAMPLES
ARCS WA# 22-5WK7

HOME ID#	PAINT MG/CM2	SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
7834	6.6	505	2.9	1500	4.0	12.2	U
7918	0.4	215	1.6	710	7.5	U	U
8117	0.8	335	2.0	420	5.5	U	0.54
8459	1.2	206	2.0	510 (10)	6.3	U	U
8832	0.5	308	2.4	170	2.2	U	U
9512	0.4	170	2.5	290	9.6	U	U
9529	0.5	1570	4.6	440 (10)	8.5 (0.1)	8.7	1.80
9530	2.0	455	3.0	230	1.2	U	U
9536	2.7	2600	4.7	3400 (600)	9.9	2.2	U

Key:
- * Values were not reported at the time of original submittal.
- ** Samples were reanalyzed and the values changed from the time of original submittal.
- U (Undetected) - Compounds were analyzed, but not detected above the laboratory detection limits.
- J Indicates an estimated value.
- NA (Not Analyzed) - A sample was not obtained for this matrix.
- ( ) Indicates dust sample results that were influenced by the presence of paint chips found in the sample. The values to the left of the parentheses are composited dust and paint chip results. The values within the parentheses indicate the amount of increase caused by the presence of paint chips. Composite results were determined by mathematically combining the concentrations of the dust and paint chips, proportionally to the total weight of the fractions.

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
DUPLICATE SAMPLES
ARCS WA# 22-5WK7

HOME ID#	SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
D518	NA	NA	NA	NA	13.5	U
D1306	NA	NA	NA	NA	U	U
D1334	NA	NA	NA	NA	2.9 J	U
D1917	NA	NA	180	5.7	NA	NA
D2096	745	6.5	NA	NA	NA	NA
D2287	151	2.4	NA	NA	NA	NA
D2593	838	2.9	4200	9.7	U	U
D2765	522	2.4	NA	NA	NA	NA
D2767/2768	384	3.2	NA	NA	NA	NA
D3129	NA	NA	NA	NA	2.5	U
D3138	NA	NA	440	5.3	NA	NA
D3603	905	4.7	1000	5.1	NA	NA
D5403	205	2.2	3500	21	NA	NA
D5405	NA	NA	210	4.9	NA	NA
D7784	NA	NA	NA	NA	U	U
D9512	NA	NA	260	8.7	NA	NA
D9536	NA	NA	NA	NA	U	U

Key:
U (Undetected) - Compounds were analyzed, but not detected above the laboratory detection limits.
J Indicates an estimated value.
NA (Not Analyzed) - A sample was not obtained for this matrix.

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5WK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
9	0.1	335.0	2.9	454.0 (1)	10.2	4.1	U
37	0.1	189.0	2.1	212.0	6.0	NA	NA
40	1.6	376.0	2.6	365.9	9.6	3.1	U
66	NA	343.0	13.5	124.0	3.3	U	U
111	0.1	126.0	2.8	192.0	6.7	U	U
153	2.3	413.0	2.4	733.0	9.7	U	U
205	NA	520.0	5.1	NA	NA	U	U
230	NA	455.0	5.2	492.0	16.6	U	U
248	2.7	290.0	2.6	383.0	1.4	U	U
265	0.2	1020.0	3.1	907.0	10.6	6.6	U
287	0.4	646.0	4.0	205.0 (10)	6.7	U	U
290	0.5	165.0	1.3	145.0	5.1	U	U
326	0.7	428.0	4.3	429.0	19.4	NA	NA
344	NA	256.0	3.6	NA	NA	U	U
348	0.7	249.0	2.6	133.0	5.0	2.1	U
364	0.4	183.0	U	159.0	1.9	U	U
374	0.2	364.0	1.7	1050.0	15.2	U	U
390	8.0	168.0	2.7	151.0 (11)	3.1	U	U
399	3.5	229.0	2.7	400.0	8.0	U	U
437	5.1	979.0	4.2	925.4	7.9	U	U
440	2.1	228.0	3.2	267.9 (91)	4.8	9.7	2.80
441	3.3	1860.0	2.5	298.0	25.4	3.4	U
455	4.0	1380.0	4.1	431.0 (14)	4.6	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
465	0.5	392.0	5.0	369.0	5.7	3.1	U
491	5.5	213.0	2.7	1062.8 (391)	7.8 (0.1)	4.0	0.75
498	2.7	350.0	3.8	843.7 (428)	5.5 (0.3)	2.4	U
500	0.6	506.0	3.6	296.0	4.5	U	U
506	3.4	209.0	1.8	447.0 (8)	3.5	U	U
522	2.4	256.0	1.4	939.0 (341)	4.9	4.8	2.40
568	1.4	314.0	3.8	276.0	4.2	U	U
571	2.4	423.0	3.1	413.0 (73)	6.4 (0.1)	7.3	1.50
579	1.6	670.0	4.2	261.0 (3)	5.8	U	U
596	4.2	501.0	2.3	24500.0 (2000)	17.3 (0.2)	0.8	U
602	1.5	243.0	2.2	913.1 (252)	50.1	U	0.75
606	1.1	1090.0	5.0	765.0 (10)	31.3	U	U
634	1.0	543.0	3.4	700.0	2.8	11.1	U
652	0.3	309.0	2.2	247.0	"	U	U
661	4.2	551.0	4.4	24800.0 (1100)	20.2	U	U
662	1.5	370.0	3.1	241.0	25.6	U	U
693	1.2	65.1	1.6	545.0 (57)	14.4 (0.5)	U	U
697	0.4	104.0	1.8	222.0	5.6	U	U
722	0.2	208.0	2.9	739.0	8.9	4.6	U
726	0.1	78.4	1.6	223.0 (1)	7.4	U	U
728	3.6	648.0	5.1	203.3	5.4	U	U
752	2.0	295.0	1.6	3560.9 (441)	18.2 (7.2)	3.6	0.71
757	0.3	466.0	2.6	351.0	16.9	2.0	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2	* SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
765	1.9	444.0	2.4	326.0 (62)	5.3	U	U
767	2.8	861.0	4.6	2260.0	10.8	U	U
791	3.7	383.0	5.7	675.0 (17)	6.1 (0.1)	U	0.66
809	3.1	184.0	1.6	231.0	3.9	2.0	1.30
844	1.9	860.0	4.2	19.2 (13)	6.0	U	U
849	1.6	908.0	2.4	341.2	8.4	U	U
873	0.9	664.0	3.5	381.0 (18)	5.1 (0.1)	U	U
883	0.3	372.0	3.1	**242.0	**6.8	4.9	U
952	0.6	184.0	2.3	240.0	6.4	2.9	0.77
982	0.6	227.0	3.2	166.0	3.0	U	U
998	6.8	249.0	2.8	199.8 (6)	10.7	U	U
1037	1.3	182.0	1.8	780.0	6.3	5.1	U
1068	0.2	357.0	3.2	425.0	7.4	2.0	1.00
1088	0.0	525.0	4.5	1000.0	4.0	U	U
1092	2.0	557.0	3.4	589.0 (100)	7.0	2.4	U
1103	5.4	306.0	3.0	2170.0 (1020)	48.9	5.2	U
1108	0.1	385.0	2.0	392.0 (127)	5.0 (0.1)	U	U
1120	3.9	127.0	1.4	159.2 (302)	4.9	U	U
1151	0.3	400.0	2.3	228.0 (9)	13.6	U	U
1217	2.8	592.0	4.5	584.6 (251)	6.8	5.7	1.50
1238	1.1	360.0	2.5	194.0 (20)	5.1 (0.6)	U	U
1352	0.6	884.0	9.1	965.0 (217)	11.0 (1.2)	U	U
1366	NA	356.0	2.2	NA	NA	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2	* SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
1369	0.1	138.0	1.3	144.0	5.9	U	U
1374	0.4	112.0	2.4	224.0	9.0	U	U
1419	1.7	274.0	2.8	8370.0 (7751)	11.3 (0.3)	3.7	1.30
1444	0.9	294.0	3.1	413.0 (100)	7.9	2.0	U
1446	2.3	334.0	2.3	1250.0	6.5	U	U
1452	2.0	373.0	3.4	1450.0 (1113)	14.8 (9.4)	U	0.52
1464	0.4	324.0	2.9	315.0	6.9	10.0	U
1473	0.3	183.0	3.1	243.0 (32)	12.2 (0.6)	U	0.55
1474	1.9	474.0	3.6	581.4 (33)	22.9	U	U
1490	1.3	690.0	4.4	1150.0 (10)	17.0 (0.2)	U	U
1504	0.1	288.0	2.2	168.0	3.9	U	U
1517	1.4	584.0	3.4	341.0	6.8	U	U
1521	0.1	521.0	2.7	261.0	7.3	4.9	1.60
1543	0.8	601.0	4.9	343.0	5.0	U	0.96
1557	1.0	224.0	2.1	366.0	6.3	U	U
1603	3.2	1300.0	4.9	1689.9 (754)	10.5 (2.6)	U	U
1610	7.5	2310.0	4.2	261.0	6.5	3.2	U
1638	0.1	176.0	2.6	116.7	2.9	U	U
1651	3.2	98.6	1.6	223.0	6.7	U	U
1664	NA	310.0	1.7	199.0	4.2	U	U
1673	0.6	613.0	2.4	331.0	12.7	2.7	U
1679	0.4	304.0	2.5	136.0	5.0	U	U
1693	2.6	703.0	2.3	4650.0 (2180)	8.1 (1.2)	3.1	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
1706	3.7	536.0	3.7	322.2	3.8	5.1	U
1708	0.4	301.0	3.1	306.0	4.0	U	U
1719	0.2	650.0	1.8	307.0	U	2.5	U
1721	1.1	97.8	2.2	116.0	5.0	U	U
1732	0.0	202.0	3.3	379.0 (3)	12.5	U	U
1733	0.1	106.0	1.9	168.0 (13)	7.3	U	U
1802	1.1	990.0	5.5	808.0	18.5	U	U
1812	0.1	309.0	3.7	354.0	10.4	2.1	U
1829	3.2	529.0	3.6	471.0 (1)	4.2	3.7	1.10
1841	0.3	351.0	2.0	95.6	5.6	7.2	U
1851	0.1	154.0	3.2	128.0	5.9	U	U
1854	3.6	276.0	2.2	379.0	5.0	U	U
1855	1.8	326.0	1.6	169.0	3.7	U	U
1912	0.4	584.0	2.4	286.0	5.9	4.0	U
1913	0.5	560.0	2.0	733.6 (9)	6.6	U	U
1960	1.8	186.0	2.8	208.0	6.9	2.8	U
1971	3.8	798.0	5.4	37015.6 (7916)	30.3	U	U
2000	0.1	142.0	1.2	175.0	4.3	U	U
2058	0.1	884.0	2.7	393.0	7.2	U	U
2092	1.1	927.0	5.8	177.0 (5)	3.8	2.5	U
2109	0.8	146.0	2.3	117.0	4.8	2.2	U
2111	0.4	181.0	2.4	206.0	3.3	U	U
2193	0.1	273.0	3.3	356.0 (76)	5.4 (0.1)	3.9	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2	* SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
2202	1.2	525.0	3.7	473.2	5.4	2.6	U
2205	5.1	2140.0	8.0	2740.0	11.2	U	0.95
2218	0.7	506.0	2.1	247.0	7.9	U	U
2241	1.2	1790.0	5.0	652.0	16.3	U	U
2249	1.5	1120.0	3.7	1259.9 (60)	12.1	5.0	U
2252	5.8	1050.0	2.7	1255.4 (25)	10.7	U	U
2258	0.2	339.0	3.0	335.0	4.7	2.2	U
2266	6.2	143.0	2.2	304.0	4.8	2.8	U
2300	0.3	119.0	2.3	223.0 (5)	7.3	2.0	U
2309	0.1	231.0	2.9	255.0	10.6	U	U
2322	2.7	548.0	5.3	2970.0 (2215)	8.1 (2)	7.3	3.50
2324	3.7	1580.0	2.3	935.0	4.1	2.6	1.70
2327	4.0	687.0	2.4	657.7 (29.7)	11.5	2.2	U
2347	3.6	381.0	3.1	1390.0 (120)	16.5 (0.3)	4.0	U
2405	0.1	251.0	2.7	159.0	5.0	7.0	U
2537	0.9	402.0	4.5	2122.0 (882)	9.3 (1)	U	U
2545	3.3	633.0	4.0	41373.6 (11674)	22.0 (5)	U	U
2546	0.0	51.2	1.0	84.5	1.8	U	U
2558	10.4	644.0	4.2	411.0 (13)	36.6	95.5	U
2598	0.1	215.0	3.5	150.0	4.8	U	U
2612	4.2	644.0	3.7	654.8	16.5	U	U
2668	6.7	466.0	5.3	1690.0	8.5	U	U
2702	0.2	278.0	2.5	703.0 (67)	7.4 (0.1)	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
2706	0.3	299.0	1.3	248.0	8.7	U	U
2721	0.2	84.8	1.5	165.0	7.8 (2.3)	2.2	U
2740	1.8	296.0	3.6	199.0	5.4	2.2	U
2745	0.6	887.0	5.0	382.0	12.2	U	U
2753	0.8	865.0	3.9	11234.2 (5422)	38.1 (11.2)	2.4	0.92
2754	1.5	506.0	3.6	363.0 (12)	7.1 (1)	U	U
2771	0.2	1190.0	2.8	1118.5	2.7	2.4	U
2831	0.4	263.0	2.4	177.0	6.2	U	U
2839	3.3	309.0	1.4	1105.5 (16)	4.4	U	U
2846	0.1	893.0	2.7	282.0	6.7	U	U
2863	0.1	297.0	4.0	229.0	8.1	U	U
2867	0.2	316.0	2.0	349.0	1.6	2.5	U
2878	3.1	425.0	2.4	548.0 (45)	8.0	3.3	U
2880	0.2	205.0	2.0	88.6	3.4	7.8	0.60
2906	1.8	301.0	4.2	1050.0 (697)	11.0 (0.2)	4.2	1.60
2912	0.5	542.0	4.2	853.0 (251)	6.6 (1.6)	7.6	7.40
2923	0.6	212.0	1.9	472.6 (112)	5.8 (0.1)	U	U
2968	0.1	502.0	3.9	5010.0 (2760)	15.3 (3.5)	U	U
3000	1.2	647.0	2.8	351.9 (4)	4.8	4.4	0.51
3053	1.2	511.0	4.2	144.0	3.1	U	U
3056	4.9	842.0	2.9	694.0 (94)	5.6	U	U
3104	0.1	448.0	2.3	107.0	6.7	U	U
3170	0.2	880.0	4.5	571.4 (3)	6.2	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
3195	0.4	408.0	2.9	174.0	3.4	3.6	U
3201	0.0	219.0	2.9	158.0	7.5	U	U
3240	6.9	416.0	2.8	526.0	13.1	5.2	2.50
3251	0.2	102.0	1.6	152.0	5.4	3.1	U
3299	NA	106.0	1.5	67.3	3.7	U	U
3313	0.1	439.0	2.4	177.0	1.9	U	U
3325	0.0	467.0	2.4	222.0	3.9	U	U
3326	0.1	529.0	2.5	966.0	8.1	3.5	U
3356	NA	144.0	1.0	132.0	4.4	3.2	U
3358	0.1	218.0	2.4	195.0	8.7	U	U
3367	0.3	127.0	2.4	69.2	2.7	U	U
3385	0.6	1310.0	5.6	1070.0	11.5	2.0	0.68
3388	0.7	128.0	2.2	211.0	5.7	U	U
3392	0.8	111.0	2.4	310.0	6.6	5.7	U
3412	0.0	115.0	1.8	770.0	13.4 (1.2)	U	U
3413	0.5	133.0	2.0	138.0	6.2	3.3	U
3440	2.9	160.0	2.0	1230.2 (435)	23.4 (9.9)	U	0.73
3455	1.3	415.0	3.3	5.2	428.0	3.3	U
3459	1.1	118.0	2.6	274.0	4.0	U	U
3481	3.4	288.0	2.4	449.0	17.8	3.0	U
3508	0.1	82.6	U	192.0 (5)	4.2	U	U
3576	2.2	243.0	1.7	769.0 (24)	15.7	U	U
3644	0.6	272.0	1.9	1340.0	9.5 (0.2)	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
3645	1.7	567.0	4.3	1940.0 (50)	14.5 (0.1)	3.3	U
3651	0.5	168.0	2.1	396.4	4.5	U	U
3747	0.2	151.0	1.5	106.0	3.7	5.0	U
3772	0.0	360.0	3.8	95.7	4.6	U	U
3796	0.7	288.0	2.5	116.0	10.4	U	U
3831	1.4	485.0	1.4	233.0	10.7	U	U
3863	0.8	181.0	3.5	64.8	1.7	18.4	U
5002	0.6	578.0	4.2	400.0	8.0	U	U
5011	1.9	622.0	2.7	240.0	5.4	U	U
5015	16.5	559.0	3.7	2710.0	16.2	U	U
5017	1.1	684.0	3.0	874.5 (111)	6.3	U	0.50
5021	0.7	193.0	2.1	279.0	6.0	U	U
5041	0.4	328.0	3.2	443.0	14.6	U	U
5066	10.4	1490.0	4.4	327.0	12.9	U	U
5071	0.3	105.0	1.7	210.0	9.4	7.4	U
5092	0.1	65.5	1.4	235.0	8.0	U	U
5107	0.1	360.0	3.2	142.0	7.3	U	U
5134	1.7	213.0	2.5	357.0	3.7	U	0.73
5172	0.6	164.0	2.5	106.2 (16)	6.1	U	U
5209	1.9	2130.0	6.5	770.0	7.2	4.5	U
5212	NA	242.0	1.3	NA	NA	U	U
5217	0.1	558.0	3.8	185.0	2.6	U	U
5245	NA	110.0	1.6	147.0 (1)	8.9	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5WK7

HOME ID#	PAINT MG/CM2	* SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
5248	0.1	178.0	2.0	196.0	15.8	4.8	U
5293	2.1	453.0	2.4	310.0	8.1	U	U
5300	1.9	699.0	3.8	217.0	8.1	U	U
5305	0.4	285.0	3.8	54.7	3.1	3.9	U
5313	0.2	190.0	2.8	121.0	4.7	17.0	U
5329	2.9	444.0	3.7	132.0 (10)	2.2	U	U
5330	NA	109.0	U	196.0	4.7	U	U
5339	0.2	219.0	2.5	141.0	10.6	U	U
5354	0.7	150.0	2.0	165.0	12.0	U	U
5399	0.2	1840.0	4.4	1670.0 (140)	1.7	49.5	U
5417	0.3	217.0	3.8	331.0	7.5	2.5	U
5434	7.8	206.0	2.0	71000.0 (300)	6.2 (0.2)	U	U
5445	0.9	292.0	2.9	734.0	14.4	63.8	1.90
5513	1.0	168.0	2.4	539.0	9.5	U	1.20
5550	0.3	338.0	2.7	210.0	5.5	2.4	1.60
5891	0.4	111.0	1.8	260.0	5.8	U	U
5899	0.8	751.0	4.1	547.0	30.7	U	U
6066	2.4	254.0	1.9	158.0	5.5	U	U
6069	0.3	348.0	3.5	239.0	4.7	U	U
6099	NA	206.0	1.4	45.8	2.8	U	U
6153	0.9	154.0	2.5	268.0 (8)	16.4	2.4	U
6172	2.1	216.0	2.3	389.0	4.1	U	U
6176	0.0	533.0	4.5	295.0	6.1	U	U

Key at end of table

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
6713	0.2	156.0	2.1	39.0	6.5	2.7	U
6744	4.1	378.0	5.1	582.0	20.4	2.5	1.30
6745	4.2	286.0	2.4	172.0	7.6	U	U
6752	0.3	74.9	U	380.0 (42)	11.1	4.8	U
6786	0.1	199.0	2.3	69.8	3.6	U	U
6826	3.3	653.0	4.1	557.0 (131)	10.9	U	0.89
6879	0.1	128.0	2.1	113.0	7.5	7.6	U
6880	0.2	1190.0	3.7	566.0	4.9	U	U
6895	0.3	525.0	4.0	450.0	10.4	U	U
6952	1.8	322.0	3.2	54.6 (1.1)	2.5	U	U
6978	0.1	203.0	2.4	223.0	6.6	U	U
7701	0.7	308.0	2.5	1305.8 (137)	11.7	U	U
7702	0.1	272.0	2.1	354.0	3.5	12.9	U
7704	0.4	274.0	2.3	247.0	4.7	0.6	U
7707	0.4	327.0	4.1	706.9 (25.9)	5.2 (0.7)	4.8	0.55
7730	2.6	835.0	2.6	520.7	8.6	U	U
7735	0.0	47.9	1.6	107.0	5.4	U	U
7815	0.2	39.6	U	37.4	5.1	U	U
7824	1.2	123.0	2.0	734.0 (345)	4.5 (0.2)	20.4	U
7828	0.0	696.0	3.0	103.0	4.2	*46.7	9.90
7869	0.3	445.0	5.8	335.7 (107)	12.7 (0.5)	29.0	U
7898	0.5	270.0	3.6	5310.0	10.6	6.1	U
7965	0.1	157.0	1.2	279.0	9.1	U	U

Key at end of table

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
6208	0.0	160.0	2.4	238.0	8.2	U	U
6215	1.7	587.0	2.7	770.0	4.5	U	U
6246	0.1	419.0	5.0	864.0 (51)	13.5	U	U
6249	2.5	194.0	1.8	2460.0 (1330)	29.9 (15.7)	4.4	U
6267	0.1	178.0	3.3	143.0	4.9	2.3	U
6348	0.0	233.0	1.7	180.0	2.5	U	U
6355	0.2	227.0	3.2	502.0 (146)	10.0	7.8	7.60
6363	0.1	77.7	1.1	118.0	5.8	U	U
6382	4.4	347.0	4.5	502.0	11.4	2.7	U
6414	2.1	68.6	1.4	200.9	5.4	U	U
6433	0.4	114.0	3.2	108.0	11.2	5.0	1.10
6501	NA	331.0	2.3	NA	NA	8.0	U
6531	2.3	868.0	4.2	467.0 (4)	4.8	U	U
6538	0.0	81.9	1.4	146.0	3.7	U	U
6542	0.8	253.0	2.0	401.0 (1)	7.6	U	U
6559	5.3	485.0	3.1	2748.1 (1228)	11.0	U	U
6585	4.3	327.0	3.1	378.0 (3)	5.9	U	U
6627	0.2	162.0	1.6	141.0	2.3	U	U
6638	0.2	231.0	3.3	181.0	3.9	U	U
6656	3.7	277.0	3.5	991.0 (51)	8.0 (0.1)	U	U
6659	1.1	276.0	3.4	187.0 (12)	5.2	3.3	U
6671	0.2	466.0	2.9	205.0 (29)	8.4	2.6	U
6708	2.1	768.0	2.7	259.2 (5)	7.7	U	U

Key at end of table

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5NK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
8000	0.2	282.0	2.0	350.0	6.0	U	U
8010	0.1	419.0	3.3	349.0	6.0	U	U
8089	0.2	258.0	3.8	319.0	27.0	U	U
8211	0.1	NA	NA	216.0	4.7	U	U
8242	0.3	300.0	3.6	215.0	5.1	7.7	U
8332	0.1	167.0	3.0	143.8	4.5	2.2	U
8363	0.9	133.0	1.2	132.0 (17)	3.6	U	U
8388	0.6	388.0	4.1	310.0 (19)	3.3	U	U
8423	2.5	506.0	2.6	161.0	5.9	U	U
8551	2.4	189.0	2.3	4331.6 (3262)	19.4 (12.1)	2.0	U
8588	NA	230.0	2.3	162.0	5.4	U	U
8602	1.5	234.0	3.0	112.0	5.1	U	U
8623	2.7	177.0	2.6	1170.0 (702)	4.9 (0.6)	U	U
8649	0.1	80.4	1.8	21.6	0.5	2.1	U
8809	0.1	122.0	1.6	300.0	1.3	7.7	U
8817	1.1	511.0	4.8	307.0 (30)	6.4	U	0.98
8847	0.2	197.0	2.3	271.8 (33)	9.0 (1.2)	U	U
8969	0.7	125.0	1.7	151.0	72.3	9.2	2.90
8978	1.7	456.0	3.3	2158.5 (489)	11.1	9.2	3.00
9068	NA	36.5	U	96.0	3.8	U	U
9501	3.2	563.0	3.8	208.0	5.4	U	U
9502	0.3	77.7	1.2	243.0	1.4	U	U
9503	0.1	40.2	U	58.0	3.5	23.3	U

Key at end of table

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5WK7

HOME ID#	PAINT MG/CM2 LEAD	* SOIL MG/KG LEAD	* SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
9504	0.1	171.0	1.6	224.0	12.1	5.2	U
9505	1.2	230.0	1.8	1029.6 (395)	8.5 (0.3)	U	U
9506	0.7	454.0	2.3	119.0	3.9	8.2	U
9507	0.5	347.0	2.3	220.5	0.8	U	U
9509	0.0	441.0	3.0	163.0	3.8	U	U
9510	0.5	440.0	2.3	830.4 (9)	10.7 (1.7)	8.4	0.74
9511	0.9	444.0	3.7	3440.0 (2828)	12.1 (4.3)	2.0	U
9515/9544	0.9	43.4	U	207.0	6.0	U	U
9516	5.6	541.0	3.0	2470.0	5.2	U	U
9519	3.2	575.0	2.5	334.0 (7)	5.9	U	U
9521	0.2	190.0	3.4	249.4 (17)	9.0 (0.1)	U	2.00
9526	0.1	41.1	1.2	63.8	6.5	15.4	U
9527	0.1	497.0	3.1	296.0	7.0	48.4	U
9528	0.4	1250.0	3.8	3010.0 (2111)	4.8	2.2	U
9531	0.6	222.0	3.3	114.5	3.2	U	U
9537	1.2	741.0	5.2	1370.0	14.2	U	0.50
9538	4.1	741.0	3.5	363.0	15.1	U	U
9545	3.2	712.0	3.5	467.0	23.5	6.6	U
9546	0.1	588.0	3.9	695.5 (394)	9.1 (0.1)	U	U
9547	0.1	1180.0	4.7	45.8	1.0	8.4	U
9548	0.2	136.0	2.2	442.0	9.2	U	U
9549	1.4	153.0	2.5	124.0	4.9	U	U
9551	1.3	276.0	2.0	644.2 (10)	8.5	U	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
FIELD SAMPLES
ARCS WA#22-5WK7

HOME ID#	PAINT MG/CM2	* SOIL MG/KG		DUST MG/KG		WATER UG/L	
	LEAD	LEAD	CADMIUM	LEAD	CADMIUM	LEAD	CADMIUM
9552	0.1	148.0	1.5	140.7	2.9	U	U
9600	1.0	647.0	3.2	515.0 (14)	8.6	3.2	U

Key:
- * Samples were reanalyzed and the values used were from the reanalysis.
- ** The value is an average of 3 determinations.
- U (Undetected) - Compounds were analyzed, but not detected above the laboratory detection limits.
- J Indicates an estimated value.
- NA (Not Analyzed) - A sample was not obtained for this matrix.
- ( ) Indicates dust sample results that were influenced by the presence of paint chips found in the sample. The values to the left of the parentheses are composited dust and paint chip results. The values within the parentheses indicate the amount of increase caused by the presence of paint chips. Composite results were determined by mathematically combining the concentrations of the dust and paint chips, proportionally to the total weight of the fractions.

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
DUPLICATE SAMPLES
ARCS WA#225NK-7

HOME ID#	*SOIL MG/KG LEAD	*SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
D1708	251.0	2.9	NA	NA	U	U
D1721	NA	NA	NA	NA	U	U
D1733	119.0	1.7	230.0 (96)	5.5	NA	NA
D1802	929.0	5.6	NA	NA	NA	NA
D2109	NA	NA	94.4	3.6	NA	NA
D2193	316.0	3.0	NA	NA	NA	NA
D2218	NA	NA	NA	NA	2.7	0.77
D2252	NA	NA	NA	NA	U	1.40
D2258	341.0	2.8	NA	NA	NA	NA
D2309	149.0	2.9	NA	NA	U	U
D2327	NA	NA	NA	NA	U	U
D2721	NA	NA	145.0	6.4	NA	NA
D2740	274.0	3.4	NA	NA	2.0	U
D2867	308.0	1.7	NA	NA	NA	NA
D2968	680.0	4.2	NA	NA	U	U
D3326	504.0	2.7	NA	NA	NA	NA
D3356	NA	NA	NA	NA	2.2	U
D3367	NA	NA	NA	NA	U	U
D3385	848.0	5.1	NA	NA	NA	NA
D3412	113.0	1.9	NA	NA	NA	NA
D3455	NA	NA	NA	NA	3.3	U
D3576	NA	NA	NA	NA	U	U
D3772	275.0	2.1	NA	NA	NA	NA

Key at end of table

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NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
DUPLICATE SAMPLES
ARCS WA#225NK-7

HOME ID#	*SOIL MG/KG LEAD	*SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
D 205	NA	NA	NA	NA	U	U
D 230	424.0	4.9	NA	NA	NA	NA
D 265	1120.0	3.1	NA	NA	NA	NA
D 290	NA	NA	NA	NA	U	U
D 326	NA	NA	457.0 (8)	20.0 (1)	NA	NA
D 348	NA	NA	NA	NA	7.7	0.86
D 491	185.0	3.2	NA	NA	NA	NA
D 602	249.0	2.2	NA	NA	NA	NA
D 652	NA	NA	NA	NA	U	U
D 661	NA	NA	NA	NA	3.4	U
D 662	NA	NA	238.0	25.8	U	U
D 765	469.0	2.1	301.0 (46)	4.7	NA	NA
D 767	753.0	4.3	NA	NA	NA	NA
D 883	NA	NA	**716	**9.4	NA	NA
D1092	1610.0	4.6	NA	NA	NA	NA
D1238	336.0	2.9	NA	NA	NA	NA
D1419	NA	NA	NA	NA	U	U
D1464	NA	NA	221.0	4.1	NA	NA
D1473	NA	NA	226.0 (10)	15.5 (0.5)	NA	NA
D1543	641.0	4.7	NA	NA	NA	NA
D1557	NA	NA	NA	NA	U	U
D1679	NA	NA	NA	NA	U	U
D1706	NA	NA	NA	NA	5.0	U

Key at end of table

06/19/92

NL INDUSTRIES LEAD AND CADMIUM ANALYTICAL DATA
DUPLICATE SAMPLES
ARCS WA#225NK-7

HOME ID#	*SOIL MG/KG LEAD	*SOIL MG/KG CADMIUM	DUST MG/KG LEAD	DUST MG/KG CADMIUM	WATER UG/L LEAD	WATER UG/L CADMIUM
D5002	525.0	4.4	NA	NA	NA	NA
D5021	NA	NA	274.0	5.7	NA	NA
D5107	321.0	2.6	NA	NA	NA	NA
D5172	162.0	2.7	NA	NA	NA	NA
D6066	267.0	1.8	NA	NA	U	U
D6585	NA	NA	499.0 (5)	6.2	NA	NA
D6744	NA	NA	NA	NA	U	U
D6880	1440.0	3.4	NA	NA	NA	NA
D6952	326.0	3.8	NA	NA	NA	NA
D7701	344.0	2.4	NA	NA	NA	NA
D7898	262.0	3.6	NA	NA	NA	NA
D8000	270.0	2.0	NA	NA	U	U
D8010	NA	NA	NA	NA	U	U
D8602	NA	NA	NA	NA	U	U
D8847	NA	NA	NA	NA	2.0	U
D9509	NA	NA	NA	NA	U	U
D9516	672.0	3.1	1440.0	7.7	NA	NA
D9528	NA	NA	2340.0 (1486)	4.7	NA	NA
D9531	NA	NA	NA	NA	U	U

Key:
- * Samples were reanalyzed and the values used were from the reanalysis.
- ** The value is an average of 3 determinations.
- U (Undetected) - Compounds were analyzed, but not detected above the laboratory detection limits.
- J Indicated an estimated value.
- NA (Not Analyzed) - A sample was not obtained for this matrix.
- ( ) Indicates dust sample results that were influenced by the presence of paint chips found in the sample. The values to the left of the parentheses are composited dust and paint chip results. The values within the parentheses indicate the amount of increase caused by the presence of paint chips. Composite results were determined by mathematically combining the concentrations of the dust and paint chips, proportionally to the total weight of the fractions.