

**Table 7A**  
 Soil Sample Data Summary - Berger, 2002  
 Compared to NJDEP Residential and Non-Residential Soil Remediation Standards  
 PPG Non-Residential Chromium Remediation Project  
 Remedial Action Work Plan - Site 174

	Location ID		174S01	174S01	174S01	174S01
	Sample ID		174S01A	174S01D	174S01F	174S01G
	Lab ID		A0267-22	A0267-23	A0267-74	A0267-25
	Date Sampled		02/21/02	02/21/02	02/21/02	02/21/02
	Sample Depth (ft)		1-2	4-5	6-7	8-9
Analyte	RDCSRS	NRDCSRS				
Antimony	31	450	17.5 J	4.9 J	0.22 UJ	0.26 U
Beryllium	16	140	0.67 J	0.56 J	0.14 J	0.26 J
Cadmium	78	78	0.16 J	0.44 J	4.8 J	1.2 J
Chromium, Total	120000		565	25.1	46.7	24.9
Chromium, Hexavalent	20	20	8.7 J	0.46 UJ	0.51 UJ	1.1 UJ
Chromium, Trivalent	120000					
Nickel	1600	23000	39.3 J	20.5 J	78.7 J	22.4 J
Thallium	5	79				
Vanadium	78	1100	<b>81.9</b>	21.3	19	16.8

*Notes:*

All results are reported in milligrams per kilogram (mg/kg).

Depths are presented in feet below ground surface (bgs).

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**Bold** values indicate that the result exceeds the RDCSRS.

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A blank result value indicates the analysis was not requested.

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	Location ID		174S01	174S01	174S02	174S02	174S02	174S02
	Sample ID		174S011	174S01J	174S02A	174S02C	174S02D	174S02F
	Lab ID		A0267-26	A0267-27	A0267-15	A0267-16	A0267-17	A0267-18
	Date Sampled		02/21/02	02/21/02	02/21/02	02/21/02	02/21/02	02/21/02
	Sample Depth (ft)		10-11	11-12	0-1	2-3	3-4	5-6
Analyte	RDCSRS	NRDCSRS						
Antimony	31	450	0.21 UJ	0.18 UJ	<b>67.4</b> J	1.2 J	0.21 UJ	14.5 J
Beryllium	16	140	0.7 J	0.59 J	1.4	0.52 J	0.61 J	0.3 J
Cadmium	78	78	0.084 J	0.037 U	0.38 J	0.85 J	0.18 J	1.1 J
Chromium, Total	120000		24.9	17.6	2130	15.3	20.6	35.8
Chromium, Hexavalent	20	20	0.44 UJ	1.2 UJ	8.6 J	0.47 UJ	0.46 UJ	0.52 UJ
Chromium, Trivalent	120000							
Nickel	1600	23000	22.1 J	19 J	388	21	22.8	340
Thallium	5	79						
Vanadium	78	1100	30.5	20.2	<b>512</b>	32.2	21	20.1

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Analyte	Location ID		174S02	174S02	174S02	174S03	174S03	174S03
	RDCSRS	NRDCSRS	174S02G	174S02K	174S02L	174S03A	DUPE 01	174S03E
			Lab ID					
			Date Sampled					
			Sample Depth (ft)					
Antimony	31	450	12.5 J	0.32 UJ	0.23 UJ	0.19 UJ	0.22 UJ	0.22 UJ
Beryllium	16	140	0.13 J	0.2 J	0.74 J	1.1	1.3	0.67 J
Cadmium	78	78	0.066 J	1.3 J	0.046 U	0.075 J	0.068 J	0.16 J
Chromium, Total	120000		16.5	29.7	25.3	61.8	31.3	18.7
Chromium, Hexavalent	20	20	0.48 UJ	0.76 J	0.5 UJ	1.2 J	1 U	0.44 UJ
Chromium, Trivalent	120000							
Nickel	1600	23000	33.3	56.6	15.8	25.8	32.1 J	24.3
Thallium	5	79						
Vanadium	78	1100	28.3	13.8 J	35.6	39.8	31.3	25.5

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	Location ID		174S03	174S03	174S03	174S03	174S04	174S04
	Sample ID		174S03G	174S03H	174S03I	174S03J	174S04A	174S04D
	Lab ID		A0267-03	A0267-04	A0267-05	A0267-06	A0267-09	A0267-10
	Date Sampled		02/21/02	02/21/02	02/21/02	02/21/02	02/21/02	02/21/02
	Sample Depth (ft)		7-8	8-9	9-10	10-11	0-1	3-4
Analyte	RDCSRS	NRDCSRS						
Antimony	31	450	0.23 UJ	0.19 U	0.19 U	0.21 U	2.2 J	1.3 J
Beryllium	16	140	0.63 J	0.77 J	0.17 J	0.22 J	1.1	0.95 J
Cadmium	78	78	0.046 U	0.038 U	0.037 U	0.042 U	0.12 J	0.32 J
Chromium, Total	120000		23.1	21.9	6.6	7.8	140	15.2
Chromium, Hexavalent	20	20	0.66 J	0.51 UJ	0.47 UJ	0.47 UJ	0.93 UJ	2.9 J
Chromium, Trivalent	120000							
Nickel	1600	23000	35.7	26.2	6.7 J	6.7 J	34.4	14.2
Thallium	5	79						
Vanadium	78	1100	28.6	31.8	7.3 J	10 J	47.6	24.1

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Analyte	Location ID		174S04	174S04	174S04	174S04	174S05	174S05
	RDCSRS	NRDCSRS	174S04E	174S04F	174S04I	174S04J	174S05A	174S05D
			Lab ID					
			A0267-11	A0267-12	A0267-13	A0267-14	A0267-28	A0267-29
			Date Sampled					
			02/21/02	02/21/02	02/21/02	02/21/02	02/21/02	02/21/02
			Sample Depth (ft)					
			4-5	5-6	9-10	10-11	0-1	3-4
Antimony	31	450	0.21 U	0.17 UJ	0.21 U	0.21 UJ	16.4 J	4.2 J
Beryllium	16	140	0.43 J	0.39 J	0.44 J	0.23 J	1.9	0.62 J
Cadmium	78	78	0.3 J	0.29 J	0.093 J	0.67 J	0.26 J	0.45 J
Chromium, Total	120000		17.3	19.2	17.2	21.3	551	16.4
Chromium, Hexavalent	20	20	0.44 UJ	0.5 J	0.52 UJ	2.3 J	1.1 J	0.47 UJ
Chromium, Trivalent	120000							
Nickel	1600	23000	15.9	20.7	31.4	17.1	97.7 J	19.3 J
Thallium	5	79						
Vanadium	78	1100	19.4	18.9	15.8	17	<b>108</b>	22.6

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	Location ID		174S05	174S05	174S05	174S05
	Sample ID		174S05F	174S05G	174S05J	174S05K
	Lab ID		A0267-30	A0267-31	A0267-32	A0267-33
	Date Sampled		02/21/02	02/21/02	02/21/02	02/21/02
	Sample Depth (ft)		5-6	8-9	11-12	12-13
Analyte	RDCSRS	NRDCSRS				
Antimony	31	450	<b>54.5 J</b>	3.6 J	0.26 UJ	0.21 UJ
Beryllium	16	140	1.7	0.15 J	0.25 J	0.83 J
Cadmium	78	78	2.3 J	0.68 J	1.6 J	0.042 U
Chromium, Total	120000		47.4	41	35.5	23.8
Chromium, Hexavalent	20	20	0.51 UJ	0.49 UJ	2.7 J	1 J
Chromium, Trivalent	120000					
Nickel	1600	23000	87.4 J	160 J	15.9 J	21.1 J
Thallium	5	79				
Vanadium	78	1100	17.9	14.1	18.3	27.4

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