

**Table 8A**  
 Soil Sample Data Summary - AECOM, 2012  
 Compared to NJDEP Residential and Non-Residential Soil Remediation Standards  
 PPG Non-Residential Chromium Remediation Project  
 Remedial Action Work Plan - Site 174

				Location	S121	S121	S121	S121	S121
				Sample ID	174-S121-0.0	174-S121-2.0	174-S121-4.0	174-S121-6.0	174-S121-8.0
				Lab ID	460-38115-1	460-38115-2	460-38115-3	460-38115-4	460-38115-5
				Date Collected	03/20/2012	03/20/2012	03/20/2012	03/20/2012	03/20/2012
				Depth interval	0 - 0.5 ft	2 - 2.5 ft	4 - 4.5 ft	6 - 6.5 ft	8 - 8.5 ft
Analyte	CAS-RN	RDCSRS	NRDCSRS						
ANTIMONY	7440-36-0	<b>31</b>	450		0.53 J	3.3 J	0.44 U	1.4 J	0.89
CHROMIUM	7440-47-3	120000			17.3 J	16.0 J	19.3 J	17.1 J	25.8 J
CHROMIUM (HEXAVALENT)	18540-29-9	20	20		0.91 J	0.87 UJ	0.91 UJ	0.95 UJ	0.91 UJ
NICKEL	7440-02-0	1600	23000		10 J	14.4 J	22.3 J	113 J	53.8
THALLIUM	7440-28-0	5	79		0.2 U	0.2 U	0.21 U	0.21 U	0.22 U
VANADIUM	7440-62-2	78	1100		22.7 J	18.4 J	28.4 J	22.7 J	29.4 J

Notes:

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

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

CAS-RN = Chemical Abstract Service Registry Number.

RDCSRS = Residential Direct Contact Soil Remediation Standard.

NRDCSRS = Non-Residential Direct Contact Soil Remediation Standard.

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

*Italic* values indicate that the result exceeds the NRDCSRS.

A blank result value indicates the analysis was not requested.

J- Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.

U - Indicates that the analyte was not detected at the reported Method Detection Limit.

UJ - Indicates the analyte was not detected above the reporting limit/MDL and the reporting limit/MDL was approximate.

**Table 8A**  
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 Remedial Action Work Plan - Site 174

Analyte	CAS-RN	RDCSRS	NRDCSRS	Location	S121	S121	S121	S122	S122	S122
				Sample ID	174-S121-10.0	174-S121-12.0	174-S121-14.0	174-S122-0.0	174-S122-0.0X	174-S122-2.0
				Lab ID	460-38115-6	460-38115-7	460-38115-8	460-38115-9	460-38115-10	460-38115-11
				Date Collected	03/20/2012	03/20/2012	03/20/2012	03/20/2012	03/20/2012	03/20/2012
				Depth interval	10 - 10.5 ft	12 - 12.5 ft	14 - 14.5 ft	0 - 0.5 ft	0 - 0.5 ft	2 - 2.5 ft
ANTIMONY	7440-36-0	<b>31</b>	450		0.057 J	0.53 U	0.43 U	1.0 J	0.76 J	0.46 J
CHROMIUM	7440-47-3	120000			0.78 J	16.5 J	20.3 J	20.7 J	18.3 J	25.1 J
CHROMIUM (HEXAVALENT)	18540-29-9	20	20		0.93 UJ	1 UJ	0.87 UJ	0.9 UJ	0.87 UJ	0.82 UJ
NICKEL	7440-02-0	1600	23000		1.1 J	16.4 J	16.8 J	19.6 J	15.6 J	28.9 J
THALLIUM	7440-28-0	5	79		0.011 U	0.25 U	0.2 U	0.2 U	0.21 U	0.19 U
VANADIUM	7440-62-2	78	1100		1.2 J	21.0 J	31.2 J	19.1 J	18.0 J	34.8 J

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				Location	S122	S122	S122	S122	S122	S123
				Sample ID	174-S122-4.0	174-S122-8.0	174-S122-10.0	174-S122-12.0	174-S122-14.0	174-S123-0.0
				Lab ID	460-38115-12	460-38115-13	460-38115-14	460-38115-15	460-38115-16	460-38115-17
				Date Collected	03/20/2012	03/20/2012	03/20/2012	03/20/2012	03/20/2012	03/20/2012
				Depth interval	4 - 4.5 ft	8 - 8.5 ft	10 - 10.5 ft	12 - 12.5 ft	14 - 14.5 ft	0 - 0.5 ft
Analyte	CAS-RN	RDCSRS	NRDCSRS							
ANTIMONY	7440-36-0	<b>31</b>	450		0.98 J	3.3 J	1.5 J	0.43 U	0.46 U	1.3 J
CHROMIUM	7440-47-3	120000			25.9 J	42.4 J	67.2 J	16.7 J	21.6 J	194 J
CHROMIUM (HEXAVALENT)	18540-29-9	20	20		0.95 J	1.1 UJ	1.1 UJ	0.89 UJ	1.2 J	0.86 J
NICKEL	7440-02-0	1600	23000		22.9 J	35.4 J	37.9 J	12.7 J	18.1 J	19.9 J
THALLIUM	7440-28-0	5	79		0.2 U	0.25 U	0.30	0.2 U	0.22 U	0.2 U
VANADIUM	7440-62-2	78	1100		27.6 J	24.1 J	25.7 J	24.9 J	26.4 J	32.7 J

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	Location			S123	S123	S123	S123
	Sample ID	Lab ID	Date Collected	174-S123-2.0	174-S123-4.0	174-S123-8.0	174-S123-12.0
	Depth interval			460-38115-18	460-38115-19	460-38115-20	460-38115-21
				03/20/2012	03/20/2012	03/20/2012	03/20/2012
				2 - 2.5 ft	4 - 4.5 ft	8 - 8.5 ft	12 - 12.5 ft
Analyte	CAS-RN	RDCSRS	NRDCSRS				
ANTIMONY	7440-36-0	<b>31</b>	450	1.7 J	3.5 J	<b>39.0</b> J	22.7 J
CHROMIUM	7440-47-3	120000		49.9 J	34.4 J	64.5 J	24.4
CHROMIUM (HEXAVALENT)	18540-29-9	20	20	0.83 UJ	1.4 J	2.7 J	1.1 UJ
NICKEL	7440-02-0	1600	23000	17.4 J	31.4 J	25.9 J	51.6 J
THALLIUM	7440-28-0	5	79	0.21 U	0.25 U	0.56 UJ	0.25 U
VANADIUM	7440-62-2	78	1100	22.2 J	19.9 J	29.1 J	16.4

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