

CV0003  
012200131010001003

CV0003A-CS Vacant Lot 5/20/2013	CV0003B-GS Drainage 5/20/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	<b>114.8</b>	<b>53.65</b>
Barium	46,000	272.4	208.83
Cadmium	210	24.1	ND
Chromium(III)	350,000	118.59	109.51
Lead	400	<b>1,309.11</b>	<b>455.38</b>
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	550	120
Benzo(a)pyrene	1,500	520	120
Benzo(b)fluoranthene	15,000	870	260
Benzo(k)fluoranthene	150,000	260	75
Chrysene	1,500,000	610	220
Dibenz(a,h)anthracene	1,500	120	48
Indeno(1,2,3-c,d)pyrene	15,000	290	140

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - GS Grab Sample
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0182  
012200131017003000

CV0182A-CS-SP	CV0182B-CS-SP
Vacant Lot	Vacant Lot
5/20/2013	5/20/2013

	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	13.73	ND
Barium	46,000	102.66	137.36
Cadmium	210	ND	ND
Chromium(III)	350,000	95.92	72
Lead	400	112.2	175.93
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	290	210
Benzo(a)pyrene	1,500	290	210
Benzo(b)fluoranthene	15,000	450	340
Benzo(k)fluoranthene	150,000	160	110
Chrysene	1,500,000	340	290
Dibenz(a,h)anthracene	1,500	40 J	54
Indeno(1,2,3-c,d)pyrene	15,000	190	130

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0185  
012200131016020000

CV0185A-CS Vacant Lot 5/30/2013	CV0185A-CSD Vacant Lot 5/30/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	23.81	NA
Barium	46,000	135.05	NA
Cadmium	210	ND	NA
Chromium(III)	350,000	96.64	NA
Lead	400	367.53	NA
Mercury (elemental)	30	ND	NA
Selenium	1,200	ND	NA
Silver	1,200	ND	NA
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	140	110
Benzo(a)pyrene	1,500	160	120
Benzo(b)fluoranthene	15,000	320	240
Benzo(k)fluoranthene	150,000	91	61
Chrysene	1,500,000	190	160
Dibenz(a,h)anthracene	1,500	38	33
Indeno(1,2,3-c,d)pyrene	15,000	130	100

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0287  
012200134007011000

	CV0287A-CS-SP	CV0287B-CS-SP
	Front Yard	Back Yard
	5/20/2013	5/20/2013

	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	28.09	<b>48.14</b>
Barium	46,000	228.09	277.1
Cadmium	210	ND	ND
Chromium(III)	350,000	107.82	155.29
Lead	400	238.85	225.45
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	480	260
Benzo(a)pyrene	1,500	490	270
Benzo(b)fluoranthene	15,000	750	440
Benzo(k)fluoranthene	150,000	280	170
Chrysene	1,500,000	540	340
Dibenz(a,h)anthracene	1,500	92 J	65
Indeno(1,2,3-c,d)pyrene	15,000	290	170

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012



CV0305  
012200134015005000

CV0305A-CS Front Yard 5/28/2013	CV0305B-CS Back Yard 5/28/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	15.16	37.63
Barium	46,000	ND	139.37
Cadmium	210	ND	ND
Chromium(III)	350,000	ND	97.94
Lead	400	104.86	350.98
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	1,000	6,400
Benzo(a)pyrene	1,500	950	<b>6,200</b>
Benzo(b)fluoranthene	15,000	1,400	9,600
Benzo(k)fluoranthene	150,000	580	3,100
Chrysene	1,500,000	1,200	6,800
Dibenz(a,h)anthracene	1,500	220	1,100
Indeno(1,2,3-c,d)pyrene	15,000	570	3,500

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
PAHs	Polycyclic aromatic hydrocarbons
RML	EPA Regional Removal Management Levels, dated December 2012
SP	Split sample
XRF	X-ray fluorescence
*	value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV0315  
012200133001014000

CV0315A-CS Front Yard 5/23/2013	CV0315B-CS Back Yard 5/23/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	19.37	32.41
Barium	46,000	143.97	389.63
Cadmium	210	ND	ND
Chromium(III)	350,000	111.31	596.75
Lead	400	283.37	321.92
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	240	140
Benzo(a)pyrene	1,500	270	170
Benzo(b)fluoranthene	15,000	470	330
Benzo(k)fluoranthene	150,000	180	79
Chrysene	1,500,000	360	240
Dibenz(a,h)anthracene	1,500	67	47
Indeno(1,2,3-c,d)pyrene	15,000	160	140

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0525  
012200132018023000

	CV0525A-CS-SP Front Yard 5/21/2013	CV0525B-CS-SP Back Yard 5/21/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	18.43	9.04
Barium	46,000	59.67	58.84
Cadmium	210	ND	ND
Chromium(III)	350,000	43.08	59.6
Lead	400	101.69	74.03
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	320	200
Benzo(a)pyrene	1,500	290	220
Benzo(b)fluoranthene	15,000	460	390
Benzo(k)fluoranthene	150,000	160	110
Chrysene	1,500,000	580	430
Dibenz(a,h)anthracene	1,500	94 J	66
Indeno(1,2,3-c,d)pyrene	15,000	230	170

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0543  
012200134014014000

	CV0543A-CS-SP Vacant Lot 5/22/2013	CV0543B-CS-SP Vacant Lot 5/22/2013	CV0543C-CS-SP Vacant Lot 5/22/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	<b>46.36</b>	36.99	35.47
Barium	46,000	198.2	239.02	184.52
Cadmium	210	ND	ND	ND
Chromium(III)	350,000	99.95	113.61	132.49
Lead	400	<b>731.22</b>	314.42	<b>416.2</b>
Mercury (elemental)	30	ND	ND	ND
Selenium	1,200	ND	ND	ND
Silver	1,200	ND	ND	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	960	290	690
Benzo(a)pyrene	1,500	940	330	790
Benzo(b)fluoranthene	15,000	1,500	580	1,500
Benzo(k)fluoranthene	150,000	510	170	500
Chrysene	1,500,000	1,200	410	990
Dibenz(a,h)anthracene	1,500	170	96 J	200
Indeno(1,2,3-c,d)pyrene	15,000	560	250	520

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0626  
012200131022009000

CV0626A-CS Vacant Lot 5/20/2013	CV0626B-CS Vacant Lot 5/20/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	27.91	32.79
Barium	46,000	289.58	284.71
Cadmium	210	ND	1.2
Chromium(III)	350,000	95.77	90.98
Lead	400	132.58	366.15
Mercury (elemental)	30	ND	0.33 J
Selenium	1,200	ND	1.5 J
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	330	300
Benzo(a)pyrene	1,500	320	350
Benzo(b)fluoranthene	15,000	550	540
Benzo(k)fluoranthene	150,000	150	190
Chrysene	1,500,000	380	500
Dibenz(a,h)anthracene	1,500	64 J	89 J
Indeno(1,2,3-c,d)pyrene	15,000	240	230

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0650  
012200131019001000

	CV0650A-CS Front Yard 5/28/2013	CV0650A-CSD Front Yard 5/28/2013	CV0650B-CS Back Yard 5/28/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	25.72	NA	37.23
Barium	46,000	102.53	NA	129.98
Cadmium	210	ND	NA	ND
Chromium(III)	350,000	112.4	NA	233.94
Lead	400	180.83	NA	216.4
Mercury (elemental)	30	ND	NA	ND
Selenium	1,200	ND	NA	ND
Silver	1,200	ND	NA	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	120 J	230 J	700
Benzo(a)pyrene	1,500	98 J	210 J	850
Benzo(b)fluoranthene	15,000	220 J	470 J	1,800
Benzo(k)fluoranthene	150,000	49 J	110 J	450
Chrysene	1,500,000	250 J	460 J	1,300
Dibenz(a,h)anthracene	1,500	32 J	55	190
Indeno(1,2,3-c,d)pyrene	15,000	70 J	130 J	550

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0696  
012200131018001000

	CV0696A-CS Front Yard 5/28/2013	CV0696A-CSD Front Yard 5/28/2013	CV0696B-CS Back Yard 5/28/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	13.3	NA	12.65
Barium	46,000	174.92	NA	53.23
Cadmium	210	ND	NA	ND
Chromium(III)	350,000	71.94	NA	111.16
Lead	400	93.7	NA	63.96
Mercury (elemental)	30	9.01	NA	ND
Selenium	1,200	ND	NA	ND
Silver	1,200	ND	NA	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	210	250	83
Benzo(a)pyrene	1,500	230	250	98
Benzo(b)fluoranthene	15,000	440	480	190
Benzo(k)fluoranthene	150,000	140	170	53
Chrysene	1,500,000	350	400	180
Dibenz(a,h)anthracene	1,500	53	52	28
Indeno(1,2,3-c,d)pyrene	15,000	140	130	64

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0725  
012200131010029000

CV0725A-CS  
Vacant Lot  
5/1/2013

RML

<b>Metals mg/kg *</b>		
Arsenic	39	17.13
Barium	46,000	239.09
Cadmium	210	ND
Chromium(III)	350,000	142.15
Lead	400	197.57
Mercury (elemental)	30	ND
Selenium	1,200	ND
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benzo(a)anthracene	15,000	360
Benzo(a)pyrene	1,500	330
Benzo(b)fluoranthene	15,000	450
Benzo(k)fluoranthene	150,000	220
Chrysene	1,500,000	340
Dibenz(a,h)anthracene	1,500	88
Indeno(1,2,3-c,d)pyrene	15,000	300

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
PAHs Polycyclic aromatic hydrocarbons  
RML EPA Regional Removal Management Levels, dated December 2012  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable



CV0729  
012200132021001001

CV0729A-CS-SP	CV0729B-CS-SP
Vacant Lot	Vacant Lot
5/21/2013	5/21/2013

	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	16.19	<b>57.74</b>
Barium	46,000	235.21	305.45
Cadmium	210	ND	ND
Chromium(III)	350,000	85.84	226.04
Lead	400	192.56	<b>667.64</b>
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	190	440
Benzo(a)pyrene	1,500	150	410
Benzo(b)fluoranthene	15,000	140	720
Benzo(k)fluoranthene	150,000	44 J	220
Chrysene	1,500,000	120	670
Dibenz(a,h)anthracene	1,500	89 J	100
Indeno(1,2,3-c,d)pyrene	15,000	180 J	240

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0747  
012300182002004001

CV0747A-CS Vacant Lot 5/21/2013	CV0747A-CSD Vacant Lot 5/21/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	18.29	NA
Barium	46,000	187.8	NA
Cadmium	210	ND	NA
Chromium(III)	350,000	107.33	NA
Lead	400	310.6	NA
Mercury (elemental)	30	ND	NA
Selenium	1,200	ND	NA
Silver	1,200	ND	NA
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	550	360
Benzo(a)pyrene	1,500	530	320
Benzo(b)fluoranthene	15,000	990 J	580 J
Benzo(k)fluoranthene	150,000	380	260
Chrysene	1,500,000	650	410
Dibenz(a,h)anthracene	1,500	140	74
Indeno(1,2,3-c,d)pyrene	15,000	310	190

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0828  
012200134016020000

	CV0828A-CS-SP Front Yard 5/21/2013	CV0828B-CS-SP Back Yard 5/21/2013	CV0828C-CS-SP Veg Garden 5/21/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	30.88	<b>40.93</b>	26.8
Barium	46,000	228.82	290	298.37
Cadmium	210	ND	1.9	ND
Chromium(III)	350,000	125.79	156.36	133.85
Lead	400	260.55	369.63	319.58
Mercury (elemental)	30	ND	0.25	ND
Selenium	1,200	ND	1.4 J	ND
Silver	1,200	ND	0.51 J	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	390	200	110
Benzo(a)pyrene	1,500	370	180	100
Benzo(b)fluoranthene	15,000	550	350	180
Benzo(k)fluoranthene	150,000	160	100	57
Chrysene	1,500,000	570	300	160
Dibenz(a,h)anthracene	1,500	87 J	38	26 J
Indeno(1,2,3-c,d)pyrene	15,000	200	94	58

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0838  
012200134016010000

	CV0838A-CS-SP	CV0838B-CS-SP
	Front Yard	Back Yard
	5/21/2013	5/21/2013

	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	16.48	<b>49.25</b>
Barium	46,000	138.57	321.03
Cadmium	210	ND	ND
Chromium(III)	350,000	87.74	145.92
Lead	400	152.16	<b>697.63</b>
Mercury (elemental)	30	ND	8.6
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	220	400
Benzo(a)pyrene	1,500	190	410
Benzo(b)fluoranthene	15,000	320	790
Benzo(k)fluoranthene	150,000	92	280
Chrysene	1,500,000	300	490
Dibenz(a,h)anthracene	1,500	37	80
Indeno(1,2,3-c,d)pyrene	15,000	93	220

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0912  
012200134016013000

	RML	CV0912A-CS-SP Front Yard 5/21/2013	CV0912B-CS-SP Front Yard 5/21/2013	CV0912C-CS-SP Side Yard 5/21/2013	CV0912D-CS-SP Side Yard 5/21/2013
<b>Metals mg/kg *</b>					
Arsenic	39	37.9	21.54	17.63	12.61
Barium	46,000	156.24	159.08	179	182.27
Cadmium	210	ND	ND	ND	ND
Chromium(III)	350,000	123.46	100.13	72.33	95.38
Lead	400	241.03	152.03	106.05	116.88
Mercury (elemental)	30	ND	ND	ND	ND
Selenium	1,200	ND	ND	ND	ND
Silver	1,200	ND	ND	ND	ND
<b>PAHs µg/kg</b>					
Benzo(a)anthracene	15,000	7,300	1,000	410	520
Benzo(a)pyrene	1,500	<b>6,200</b>	900	260	320
Benzo(b)fluoranthene	15,000	8,700	1,400	370	470
Benzo(k)fluoranthene	150,000	3,400	620	160	190
Chrysene	1,500,000	6,800	1,100	330	460
Dibenz(a,h)anthracene	1,500	710	150	ND	130
Indeno(1,2,3-c,d)pyrene	15,000	2,600	430	240	240

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0950  
012300182002004000

CV0950A-CS-SP Vacant Lot 5/22/2013	CV0950B-CS-SP Vacant Lot 5/22/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	35.53	8.56
Barium	46,000	280	53.43
Cadmium	210	2.4	ND
Chromium(III)	350,000	79.02	46.97
Lead	400	<b>410</b>	104.58
Mercury (elemental)	30	0.31	ND
Selenium	1,200	1.5 J	ND
Silver	1,200	2.7	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	480	110
Benzo(a)pyrene	1,500	490	100
Benzo(b)fluoranthene	15,000	800	190
Benzo(k)fluoranthene	150,000	260	78
Chrysene	1,500,000	620	150
Dibenz(a,h)anthracene	1,500	130	30
Indeno(1,2,3-c,d)pyrene	15,000	350	81

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0978  
012200134044014000

	CV0978A-CS Vacant Lot 5/23/2013	CV0978A-CSD Vacant Lot 5/23/2013	CV0978B-CS Vacant Lot 5/23/2013	CV0978B-CSD Vacant Lot 5/23/2013
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	RML				
<b>Metals mg/kg *</b>					
Arsenic	39	<b>45.96</b>	NA	33.97	NA
Barium	46,000	376.64	NA	208.5	NA
Cadmium	210	ND	NA	ND	NA
Chromium(III)	350,000	127.51	NA	236.14	NA
Lead	400	373.97	NA	334.6	NA
Mercury (elemental)	30	ND	NA	ND	NA
Selenium	1,200	ND	NA	ND	NA
Silver	1,200	ND	NA	ND	NA
<b>PAHs µg/kg</b>					
Benz(a)anthracene	15,000	770	670	1,100	1,100
Benzo(a)pyrene	1,500	810	730	1,000	1,100
Benzo(b)fluoranthene	15,000	1,500	1,300	1,900	2,000
Benzo(k)fluoranthene	150,000	430	620	610	670
Chrysene	1,500,000	1,000	960	1,300	1,400
Dibenz(a,h)anthracene	1,500	220	230	240	250
Indeno(1,2,3-c,d)pyrene	15,000	470	590	630	670

Notes:

- CS Composite sample
  - CSD Composite sample, duplicate
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - NA Not analyzed
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0978  
012200134044014000

	CV0978C-CS Vacant Lot 5/23/2013	CV0978D-CS Vacant Lot 5/23/2013	CV0978E-CS Vacant Lot 5/23/2013	CV0978F-CS Vacant Lot 5/23/2013
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	RML				
<b>Metals mg/kg *</b>					
Arsenic	39	<b>43.77</b>	<b>49.04</b>	<b>48.15</b>	<b>49.37</b>
Barium	46,000	301.28	199.27	215.85	172.6
Cadmium	210	ND	ND	ND	ND
Chromium(III)	350,000	188.18	203.7	148.72	123.84
Lead	400	360.73	<b>527.4</b>	364.49	304.9
Mercury (elemental)	30	ND	8.08	ND	ND
Selenium	1,200	ND	ND	ND	ND
Silver	1,200	ND	ND	ND	ND
<b>PAHs µg/kg</b>					
Benzo(a)anthracene	15,000	1,200	900	1,300	690
Benzo(a)pyrene	1,500	1,000	880	1,300	660
Benzo(b)fluoranthene	15,000	1,800	1,600	2,400	1,400
Benzo(k)fluoranthene	150,000	590	500	790	300
Chrysene	1,500,000	1,500	1,200	1,600	950
Dibenz(a,h)anthracene	1,500	190	210	310	160
Indeno(1,2,3-c,d)pyrene	15,000	560	490	800	510

Notes:

- CS Composite sample
  - CSD Composite sample, duplicate
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - NA Not analyzed
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012



CV0978  
012200134044014000

CV0978G-CS Vacant Lot 5/23/2013	CV0978H-CS Vacant Lot 5/23/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	<b>57</b>	<b>60.95</b>
Barium	46,000	540	208.4
Cadmium	210	4.3	ND
Chromium(III)	350,000	177.81	202.5
Lead	400	<b>550</b>	<b>404.89</b>
Mercury (elemental)	30	0.5	ND
Selenium	1,200	ND	ND
Silver	1,200	0.39 J	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	890	580
Benzo(a)pyrene	1,500	1,000	660
Benzo(b)fluoranthene	15,000	1,800	1,100
Benzo(k)fluoranthene	150,000	680	390
Chrysene	1,500,000	1,300	800
Dibenz(a,h)anthracene	1,500	240	160
Indeno(1,2,3-c,d)pyrene	15,000	580	420

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0986  
012200134044022000

	CV0986A-CS Vacant Lot 5/22/2013	CV0986A-CSD Vacant Lot 5/22/2013	CV0986B-CS Vacant Lot 5/22/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	38.02	NA	35.82
Barium	46,000	353.29	NA	188.31
Cadmium	210	ND	NA	ND
Chromium(III)	350,000	131.93	NA	108.16
Lead	400	164.74	NA	282.79
Mercury (elemental)	30	ND	NA	ND
Selenium	1,200	ND	NA	ND
Silver	1,200	ND	NA	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	270 J	460 J	1,200
Benzo(a)pyrene	1,500	160 J	270 J	610
Benzo(b)fluoranthene	15,000	250 J	430 J	890
Benzo(k)fluoranthene	150,000	86	99	330
Chrysene	1,500,000	260 J	460 J	770
Dibenz(a,h)anthracene	1,500	ND	130	140
Indeno(1,2,3-c,d)pyrene	15,000	140	230	340

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0990  
012200134043013000

	CV0990A-CS Vacant Lot 5/22/2013	CV0990B-CS Vacant Lot 5/22/2013	CV0990C-CS Vacant Lot 5/22/2013	CV0990D-CS Vacant Lot 5/22/2013
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	RML				
<b>Metals mg/kg *</b>					
Arsenic	39	31.05	<b>43.34</b>	<b>49.98</b>	<b>64.83</b>
Barium	46,000	213.43	195.56	147.02	280
Cadmium	210	ND	ND	ND	3.4
Chromium(III)	350,000	140.92	135.98	120.16	143.08
Lead	400	329.98	367.1	299.39	380
Mercury (elemental)	30	ND	ND	ND	0.52
Selenium	1,200	ND	ND	ND	2.1 J
Silver	1,200	ND	ND	ND	0.22 J
<b>PAHs µg/kg</b>					
Benzo(a)anthracene	15,000	1,500	830	2,500	490
Benzo(a)pyrene	1,500	1,300	810	<b>2,600</b>	460
Benzo(b)fluoranthene	15,000	2,200	1,400	4,100	780
Benzo(k)fluoranthene	150,000	790	440	1,500	230
Chrysene	1,500,000	1,600	1,100	2,900	710
Dibenz(a,h)anthracene	1,500	230	180	450	130
Indeno(1,2,3-c,d)pyrene	15,000	630	480	1,300	360

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0991  
012200134043014000

	CV0991A-CS Vacant Lot 5/22/2013	CV0991B-CS Vacant Lot 5/22/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	35.12	37.7
Barium	46,000	215.28	196.93
Cadmium	210	ND	ND
Chromium(III)	350,000	103.12	56.29
Lead	400	329.71	185.14
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	290	ND
Benzo(a)pyrene	1,500	190	120
Benzo(b)fluoranthene	15,000	330	230
Benzo(k)fluoranthene	150,000	100	77
Chrysene	1,500,000	320	360
Dibenz(a,h)anthracene	1,500	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	180	130

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV0992  
012200134043015000

CV0992A-CS Vacant Lot 5/22/2013	CV0992B-CS Vacant Lot 5/22/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	<b>40.64</b>	<b>54</b>
Barium	46,000	236.93	560
Cadmium	210	ND	4.4
Chromium(III)	350,000	129.49	157.09
Lead	400	361.88	<b>610</b>
Mercury (elemental)	30	ND	8.78
Selenium	1,200	ND	2 J
Silver	1,200	ND	1.6
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	ND	1,300
Benzo(a)pyrene	1,500	180	670 J
Benzo(b)fluoranthene	15,000	320	1,200
Benzo(k)fluoranthene	150,000	100	300
Chrysene	1,500,000	330	990 J
Dibenz(a,h)anthracene	1,500	ND	150
Indeno(1,2,3-c,d)pyrene	15,000	ND	390 J

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0995  
012200134042014000

CV0995A-CS Vacant Lot 5/29/2013
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RML
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<b>Metals mg/kg *</b>		
Arsenic	39	<b>44</b>
Barium	46,000	620
Cadmium	210	3.3
Chromium(III)	350,000	141.46
Lead	400	<b>410</b>
Mercury (elemental)	30	0.57
Selenium	1,200	1.4 J
Silver	1,200	0.44 J
<b>PAHs µg/kg</b>		
Benzo(a)anthracene	15,000	360
Benzo(a)pyrene	1,500	270
Benzo(b)fluoranthene	15,000	500
Benzo(k)fluoranthene	150,000	130
Chrysene	1,500,000	570
Dibenz(a,h)anthracene	1,500	110 J
Indeno(1,2,3-c,d)pyrene	15,000	210

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0996  
012200134042015000

CV0996A-CS  
Vacant Lot  
5/22/2013

RML

<b>Metals mg/kg *</b>		
Arsenic	39	25.51
Barium	46,000	249.83
Cadmium	210	ND
Chromium(III)	350,000	152.6
Lead	400	325.56
Mercury (elemental)	30	ND
Selenium	1,200	ND
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benzo(a)anthracene	15,000	340
Benzo(a)pyrene	1,500	350
Benzo(b)fluoranthene	15,000	520
Benzo(k)fluoranthene	150,000	200
Chrysene	1,500,000	450
Dibenz(a,h)anthracene	1,500	110
Indeno(1,2,3-c,d)pyrene	15,000	310

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
PAHs Polycyclic aromatic hydrocarbons  
RML EPA Regional Removal Management Levels, dated December 2012  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV1002  
012200134042022000

CV1002A-CS Vacant Lot 5/22/2013	CV1002B-CS Vacant Lot 5/22/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	33.07	29.67
Barium	46,000	244.87	168.65
Cadmium	210	ND	ND
Chromium(III)	350,000	128.34	218.58
Lead	400	<b>434.73</b>	306.86
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	380	410
Benzo(a)pyrene	1,500	420	510
Benzo(b)fluoranthene	15,000	640	880
Benzo(k)fluoranthene	150,000	250	290
Chrysene	1,500,000	560	640
Dibenz(a,h)anthracene	1,500	140	130
Indeno(1,2,3-c,d)pyrene	15,000	350	440

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012



CV1006  
012200134041003000

CV1006A-CS Vacant Lot 5/2/2013	CV1006B-CS Vacant Lot 5/2/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	<b>41.99</b>	29.79
Barium	46,000	330	37.19
Cadmium	210	1.7	ND
Chromium(III)	350,000	125.87	163.73
Lead	400	<b>550</b>	261.93
Mercury (elemental)	30	0.71	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	240	180
Benzo(a)pyrene	1,500	190	140
Benzo(b)fluoranthene	15,000	310	250
Benzo(k)fluoranthene	150,000	120	88
Chrysene	1,500,000	250	170
Dibenz(a,h)anthracene	1,500	50	26
Indeno(1,2,3-c,d)pyrene	15,000	140	83

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
PAHs	Polycyclic aromatic hydrocarbons
RML	EPA Regional Removal Management Levels, dated December 2012
XRF	X-ray fluorescence
*	value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1008  
012200134041005000

	CV1008A-CS Vacant Lot 5/23/2013	CV1008B-CS Vacant Lot 5/23/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	25.61	27.64
Barium	46,000	90.94	150.57
Cadmium	210	ND	ND
Chromium(III)	350,000	131.8	135.53
Lead	400	329.96	252.19
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	710	400
Benzo(a)pyrene	1,500	990	410
Benzo(b)fluoranthene	15,000	930	640
Benzo(k)fluoranthene	150,000	250	180
Chrysene	1,500,000	1,200	660
Dibenz(a,h)anthracene	1,500	180	110
Indeno(1,2,3-c,d)pyrene	15,000	380	290

Notes:

- CS Composite sample
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV1014  
012200134040009001

	CV1014A-CS Vacant Lot 5/23/2013	CV1014A-CSD Vacant Lot 5/23/2013	CV1014B-CS Vacant Lot 5/23/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	18.77	NA	11.78
Barium	46,000	170.82	NA	280.76
Cadmium	210	ND	NA	ND
Chromium(III)	350,000	94.69	NA	91.87
Lead	400	136.34	NA	86.03
Mercury (elemental)	30	ND	NA	ND
Selenium	1,200	ND	NA	ND
Silver	1,200	ND	NA	ND
<b>PAHs µg/kg</b>				
Benzo(a)anthracene	15,000	150	140	93
Benzo(a)pyrene	1,500	150	99	66
Benzo(b)fluoranthene	15,000	350 J	180 J	82
Benzo(k)fluoranthene	150,000	79	70	17 J
Chrysene	1,500,000	230 J	130 J	41 J
Dibenz(a,h)anthracene	1,500	37	8 J	ND
Indeno(1,2,3-c,d)pyrene	15,000	96	66	ND

Notes:

- CS Composite sample
- CSD Composite sample, duplicate
- CV Collegeville Neighborhood
- EPA U.S. Environmental Protection Agency
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- NA Not analyzed
- ND Not detected
- PAHs Polycyclic aromatic hydrocarbons
- RML EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable

CV1015  
012200134040010000

CV1015A-CS Vacant Lot 5/23/2013	CV1015B-CS Vacant Lot 5/23/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	<b>65.03</b>	<b>53.13</b>
Barium	46,000	1,469.44	459.8
Cadmium	210	ND	ND
Chromium(III)	350,000	132.77	138.29
Lead	400	<b>989.8</b>	<b>640.43</b>
Mercury (elemental)	30	ND	ND
Selenium	1,200	6.21	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benzo(a)anthracene	15,000	270	360
Benzo(a)pyrene	1,500	240 J	370
Benzo(b)fluoranthene	15,000	480	750
Benzo(k)fluoranthene	150,000	170	300
Chrysene	1,500,000	410 J	500
Dibenz(a,h)anthracene	1,500	49	110
Indeno(1,2,3-c,d)pyrene	15,000	140 J	310

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1016  
012200133001085000

CV1016A-CS-SP  
Vacant Lot  
5/21/2013

RML

<b>Metals mg/kg *</b>		
Arsenic	39	<b>51.57</b>
Barium	46,000	350
Cadmium	210	2.5
Chromium(III)	350,000	163.88
Lead	400	<b>420</b>
Mercury (elemental)	30	0.44
Selenium	1,200	1.8 J
Silver	1,200	0.32 J
<b>PAHs µg/kg</b>		
Benzo(a)anthracene	15,000	390
Benzo(a)pyrene	1,500	410
Benzo(b)fluoranthene	15,000	710
Benzo(k)fluoranthene	150,000	260
Chrysene	1,500,000	520
Dibenz(a,h)anthracene	1,500	280
Indeno(1,2,3-c,d)pyrene	15,000	460

Notes:

- CS Composite sample
  - CV Collegeville Neighborhood
  - EPA U.S. Environmental Protection Agency
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - PAHs Polycyclic aromatic hydrocarbons
  - RML EPA Regional Removal Management Levels, dated December 2012
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results, as applicable
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0993

	RML	CV0993A-CS 3236 27th Ave N Vacant Lot 4/11/2013	CV0993B-CS 3236 27th Ave N Vacant Lot 4/11/2013
<b>Metals mg/kg *</b>			
Arsenic	39	<b>42.11</b>	25.34
Barium	46,000	374.19	298.85
Cadmium	210	3.5	ND
Chromium(III)	350,000	126.13	166.51
Lead	400	320	259.6
Mercury (elemental)	30	0.19	ND
Selenium	1,200	ND	ND
Silver	1,200	0.54 J	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	140	3,200
Benzo(a)pyrene	1,500	120 J	<b>3,000 J</b>
Benzo(b)fluoranthene	15,000	230	3,900
Benzo(k)fluoranthene	150,000	71	1,400
Chrysene	1,500,000	170	3,100
Dibenz(a,h)anthracene	1,500	29	450
Indeno(1,2,3-c,d)pyrene	15,000	78	1,400

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
J Estimated value  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
RML EPA Regional Removal Management Levels, dated December 2012  
PAH Polycyclic aromatic hydrocarbon  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV0998

CV0998A-CS 3324 27th Ave N Front Yard 4/18/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	34.82
Barium	46,000	343.35
Cadmium	210	3.4
Chromium(III)	350,000	158.78
Lead	400	<b>540</b>
Mercury (elemental)	30	0.39
Selenium	1,200	ND
Silver	1,200	0.33 J
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	730
Benzo(a)pyrene	1,500	780
Benzo(b)fluoranthene	15,000	1,300
Benzo(k)fluoranthene	150,000	480
Chrysene	1,500,000	630
Dibenz(a,h)anthracene	1,500	240
Indeno(1,2,3-c,d)pyrene	15,000	440

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1001

CV1001A-CS 3334 27th Ave N Vacant Lot 4/15/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	<b>54</b>
Barium	46,000	550
Cadmium	210	4.3
Chromium(III)	350,000	133.5
Lead	400	<b>570 J</b>
Mercury (elemental)	30	8.18
Selenium	1,200	1.3 J
Silver	1,200	0.45 J
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	720
Benzo(a)pyrene	1,500	420
Benzo(b)fluoranthene	15,000	700
Benzo(k)fluoranthene	150,000	130
Chrysene	1,500,000	480
Dibenz(a,h)anthracene	1,500	73 J
Indeno(1,2,3-c,d)pyrene	15,000	420

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012



CV1066

	RML	CV1066A-CS-SP 3216 27th Ct N Front Yard 4/16/2013	CV1066B-CS-SP 3216 27th Ct N Back Yard 4/16/2013
<b>Metals mg/kg *</b>			
Arsenic	39	25	<b>43</b>
Barium	46,000	204.6	590
Cadmium	210	ND	2.6
Chromium(III)	350,000	118.95	121.18
Lead	400	179.12	<b>530</b>
Mercury (elemental)	30	ND	3.4
Selenium	1,200	ND	ND
Silver	1,200	ND	0.5 J
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	210	510
Benzo(a)pyrene	1,500	190 J	780 J
Benzo(b)fluoranthene	15,000	350	1,200 J
Benzo(k)fluoranthene	150,000	110	380
Chrysene	1,500,000	280	660 J
Dibenz(a,h)anthracene	1,500	63 J	190
Indeno(1,2,3-c,d)pyrene	15,000	120	580 J

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
SP	Split sample
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012
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CV1086

	RML	CV1086A-CS 3328 27th Ct N Vacant Lot 4/10/2013	CV1086B-GS 3328 27th Ct N Vacant Lot 4/10/2013	CV1086C-GS 3328 27th Ct N Vacant Lot 4/10/2013
<b>Metals mg/kg *</b>				
Arsenic	39	34	34.58	ND
Barium	46,000	700	423.35	202.47
Cadmium	210	5.1	ND	ND
Chromium(III)	350,000	287.88	109.45	152.1
Lead	400	<b>630</b>	<b>402.12</b>	<b>1031.02</b>
Mercury (elemental)	30	0.48	ND	ND
Selenium	1,200	ND	ND	ND
Silver	1,200	0.45 J	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	420	1.9	360
Benzo(a)pyrene	1,500	280	1.2	230
Benzo(b)fluoranthene	15,000	550	1.8	420
Benzo(k)fluoranthene	150,000	170	1	190
Chrysene	1,500,000	520	1.8	510
Dibenz(a,h)anthracene	1,500	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	400	3.2	450

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
GS	Grab sample
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1087

	RML	CV1087A-CS 3329 27th Ct N Vacant Lot 4/18/2013	CV1087B-CS 3329 27th Ct N Vacant Lot 4/18/2013
<b>Metals mg/kg *</b>			
Arsenic	39	<b>43</b>	28.16
Barium	46,000	276.72	330.41
Cadmium	210	0.85	ND
Chromium(III)	350,000	153.44	148.06
Lead	400	<b>457.83</b>	160.81
Mercury (elemental)	30	0.54	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	600	240
Benzo(a)pyrene	1,500	660 J	210 J
Benzo(b)fluoranthene	15,000	1,200	380
Benzo(k)fluoranthene	150,000	470	140
Chrysene	1,500,000	840	300
Dibenz(a,h)anthracene	1,500	140	45 J
Indeno(1,2,3-c,d)pyrene	15,000	330	110

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
J Estimated value  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
RML EPA Regional Removal Management Levels, dated December 2012  
PAH Polycyclic aromatic hydrocarbon  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1090

	CV1090A-CS 3337 27th Ct N Vacant Lot 4/10/2013	CV1090A-CSD 3337 27th Ct N Vacant Lot 4/10/2013
RML		

<b>Metals mg/kg *</b>			
Arsenic	39	<b>75.41</b>	NA
Barium	46,000	435.44	NA
Cadmium	210	ND	NA
Chromium(III)	350,000	178.32	NA
Lead	400	<b>640.44</b>	NA
Mercury (elemental)	30	ND	NA
Selenium	1,200	ND	NA
Silver	1,200	ND	NA
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	14,000 J	350 J
Benzo(a)pyrene	1,500	<b>10,000 J</b>	240 J
Benzo(b)fluoranthene	15,000	<b>17,000 J</b>	570 J
Benzo(k)fluoranthene	150,000	8,400 J	170 J
Chrysene	1,500,000	14,000 J	810 J
Dibenz(a,h)anthracene	1,500	<b>2,400 J</b>	140 J
Indeno(1,2,3-c,d)pyrene	15,000	5,200 J	200 J

Notes:

CS	Composite sample
CSD	Composite sample, duplicate
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
NA	Not analyzed
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1091

CV1091A-CS 3338 27th Ct N Back Yard 4/10/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	<b>67</b>
Barium	46,000	1,100
Cadmium	210	3.5
Chromium(III)	350,000	176.41
Lead	400	<b>432.11</b>
Mercury (elemental)	30	0.67
Selenium	1,200	ND
Silver	1,200	0.6 J
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	51
Benzo(a)pyrene	1,500	9.9 J
Benzo(b)fluoranthene	15,000	36
Benzo(k)fluoranthene	150,000	12 J
Chrysene	1,500,000	38
Dibenz(a,h)anthracene	1,500	ND
Indeno(1,2,3-c,d)pyrene	15,000	ND

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1099

CV1099A-CS 3359 27th Ct N Vacant Lot 4/9/2013
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RML
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<b>Metals mg/kg *</b>		
Arsenic	39	37.48
Barium	46,000	400
Cadmium	210	2.8
Chromium(III)	350,000	112.98
Lead	400	<b>450</b>
Mercury (elemental)	30	0.32
Selenium	1,200	6.8
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	51 J
Benzo(a)pyrene	1,500	47 J
Benzo(b)fluoranthene	15,000	92 J
Benzo(k)fluoranthene	150,000	27 J
Chrysene	1,500,000	82 J
Dibenz(a,h)anthracene	1,500	13 J
Indeno(1,2,3-c,d)pyrene	15,000	21 J

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1100

CV1100A-CS 3361 27th Ct N Vacant Lot 4/9/2013
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	RML	
<b>Metals mg/kg *</b>		
Arsenic	39	<b>45.54</b>
Barium	46,000	480
Cadmium	210	2
Chromium(III)	350,000	135.83
Lead	400	<b>400</b>
Mercury (elemental)	30	0.46
Selenium	1,200	8.8
Silver	1,200	0.14 J
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	110 J
Benzo(a)pyrene	1,500	94 J
Benzo(b)fluoranthene	15,000	190 J
Benzo(k)fluoranthene	150,000	50 J
Chrysene	1,500,000	180 J
Dibenz(a,h)anthracene	1,500	22 J
Indeno(1,2,3-c,d)pyrene	15,000	46 J

## Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1160

	RML	CV1160A-CS 3301 28th Ave N Side Yard 4/9/2013	CV1160A-CSD 3301 28th Ave N Side Yard 4/9/2013
<b>Metals mg/kg *</b>			
Arsenic	39	14.84	NA
Barium	46,000	133.22	NA
Cadmium	210	ND	NA
Chromium(III)	350,000	78.8	NA
Lead	400	180.19	NA
Mercury (elemental)	30	ND	NA
Selenium	1,200	ND	NA
Silver	1,200	ND	NA
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	160 J	1,700 J
Benzo(a)pyrene	1,500	160 J	<b>1,600 J</b>
Benzo(b)fluoranthene	15,000	270 J	2,900 J
Benzo(k)fluoranthene	150,000	100 J	890 J
Chrysene	1,500,000	180 J	1,800 J
Dibenz(a,h)anthracene	1,500	30 J	270 J
Indeno(1,2,3-c,d)pyrene	15,000	75 J	730 J

## Notes:

CS	Composite sample
CSD	Composite sample, duplicate
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
NA	Not analyzed
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012



CV1178

	RML	CV1178A-CS 3403 28th Ave N Vacant Lot 4/17/2013	CV1178B-CS 3403 28th Ave N Vacant Lot 4/17/2013
<b>Metals mg/kg *</b>			
Arsenic	39	<b>42.01</b>	<b>52.87</b>
Barium	46,000	136.73	270
Cadmium	210	ND	3.7
Chromium(III)	350,000	98.96	105.31
Lead	400	384.83	<b>420</b>
Mercury (elemental)	30	ND	0.34
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	180	170
Benzo(a)pyrene	1,500	190 J	120 J
Benzo(b)fluoranthene	15,000	350	240
Benzo(k)fluoranthene	150,000	110	59
Chrysene	1,500,000	200	240
Dibenz(a,h)anthracene	1,500	37	30
Indeno(1,2,3-c,d)pyrene	15,000	88	45

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
J Estimated value  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
RML EPA Regional Removal Management Levels, dated December 2012  
PAH Polycyclic aromatic hydrocarbon  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1197

	RML	CV1197A-CS 3080 29th Ave N Vacant Lot 4/18/2013	CV1197B-CS 3080 29th Ave N Vacant Lot 4/18/2013
<b>Metals mg/kg *</b>			
Arsenic	39	34.03	<b>48.39</b>
Barium	46,000	262.73	421.79
Cadmium	210	ND	ND
Chromium(III)	350,000	95	136.31
Lead	400	196.75	256.74
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	300	420
Benzo(a)pyrene	1,500	320 J	410 J
Benzo(b)fluoranthene	15,000	620	790
Benzo(k)fluoranthene	150,000	200	250
Chrysene	1,500,000	420	580
Dibenz(a,h)anthracene	1,500	63 J	89 J
Indeno(1,2,3-c,d)pyrene	15,000	170	190

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1220

	RML	CV1220A-CS 3164 29th Ave N Vacant Lot 4/25/2013	CV1220A-CSD 3164 29th Ave N Vacant Lot 4/25/2013	CV1220B-CS 3164 29th Ave N Vacant Lot 4/25/2013
<b>Metals mg/kg *</b>				
Arsenic	39	25.28	NA	14.59
Barium	46,000	482.4	NA	186.67
Cadmium	210	ND	NA	ND
Chromium(III)	350,000	108.35	NA	98.29
Lead	400	190.7	NA	195.14
Mercury (elemental)	30	ND	NA	ND
Selenium	1,200	ND	NA	ND
Silver	1,200	ND	NA	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	1,800 J	810 J	1,300
Benzo(a)pyrene	1,500	<b>2,300 J</b>	1,100 J	<b>1,900</b>
Benzo(b)fluoranthene	15,000	4,300 J	2,100 J	3,200
Benzo(k)fluoranthene	150,000	1,200 J	620 J	1,500
Chrysene	1,500,000	2,100 J	1,000 J	1,700
Dibenz(a,h)anthracene	1,500	950 J	470 J	640
Indeno(1,2,3-c,d)pyrene	15,000	1800 J	980 J	1,800

## Notes:

CS	Composite sample
CSD	Composite sample, duplicate
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
NA	Not analyzed
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1228

	RML	CV1228A-CS 3213 29th Ave N Vacant Lot 4/25/2013	CV1228B-CS 3213 29th Ave N Vacant Lot 4/25/2013
<b>Metals mg/kg *</b>			
Arsenic	39	22.22	<b>59.66</b>
Barium	46,000	286.51	350
Cadmium	210	ND	1.7
Chromium(III)	350,000	105.52	138.62
Lead	400	153.07	<b>518.35</b>
Mercury (elemental)	30	ND	1.4
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	110	160
Benzo(a)pyrene	1,500	60	140
Benzo(b)fluoranthene	15,000	100	210
Benzo(k)fluoranthene	150,000	45	79
Chrysene	1,500,000	110	250
Dibenz(a,h)anthracene	1,500	ND	36 J
Indeno(1,2,3-c,d)pyrene	15,000	48 J	85 J

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012
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CV1236

	CV1236A-CS 3229 29th Ave N Front Yard 4/2/2013	CV1236B-CS 3229 29th Ave N Back Yard 4/2/2013
RML		

Metals mg/kg *	RML	CV1236A-CS 3229 29th Ave N Front Yard 4/2/2013	CV1236B-CS 3229 29th Ave N Back Yard 4/2/2013
Arsenic	39	21.74	<b>50.23</b>
Barium	46,000	180.86	540
Cadmium	210	ND	5
Chromium(III)	350,000	97.83	155.33
Lead	400	102.73	<b>650</b>
Mercury (elemental)	30	ND	0.23
Selenium	1,200	ND	3.8 J
Silver	1,200	ND	0.85 J
PAHs µg/kg			
Benz(a)anthracene	15,000	44 J	240 J
Benzo(a)pyrene	1,500	34 J	220 J
Benzo(b)fluoranthene	15,000	73 J	450 J
Benzo(k)fluoranthene	150,000	21 J	130 J
Chrysene	1,500,000	30 J	260 J
Dibenz(a,h)anthracene	1,500	ND	110 J
Indeno(1,2,3-c,d)pyrene	15,000	ND	180 J

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1251

	RML	CV1251A-CS 3416 29th Ave N Front Yard 4/3/2013	CV1251B-CS 3416 29th Ave N Back Yard 4/3/2013
<b>Metals mg/kg *</b>			
Arsenic	39	30.86	<b>52.85</b>
Barium	46,000	238.59	870
Cadmium	210	ND	2.5
Chromium(III)	350,000	146.52	183.13
Lead	400	263.8	<b>410</b>
Mercury (elemental)	30	ND	0.5
Selenium	1,200	ND	ND
Silver	1,200	ND	0.25 J
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	ND	170
Benzo(a)pyrene	1,500	18	84
Benzo(b)fluoranthene	15,000	33	97
Benzo(k)fluoranthene	150,000	21	46 J
Chrysene	1,500,000	22	76
Dibenz(a,h)anthracene	1,500	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	ND	ND

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012
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CV1264

	RML	CV1264A-CS 3439 29th Ave N Front Yard 4/17/2013	CV1264B-CS 3439 29th Ave N Back Yard 4/17/2013	CV1264C-GS 3439 29th Ave N Playset 4/17/2013
<b>Metals mg/kg *</b>				
Arsenic	39	33.22	31.79	28.84
Barium	46,000	206.5	195.86	171.57
Cadmium	210	ND	ND	ND
Chromium(III)	350,000	114.19	135.94	111.2
Lead	400	208.03	190.07	263.41
Mercury (elemental)	30	ND	ND	ND
Selenium	1,200	ND	ND	ND
Silver	1,200	ND	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	230	4,100	530
Benzo(a)pyrene	1,500	210 J	<b>3,500</b>	500 J
Benzo(b)fluoranthene	15,000	420	6,200	980
Benzo(k)fluoranthene	150,000	140	1,900 J	290
Chrysene	1,500,000	300	4,100	560
Dibenz(a,h)anthracene	1,500	42	570 J	83
Indeno(1,2,3-c,d)pyrene	15,000	91	1,400	200

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
GS	Grab sample
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1282

	RML	CV1282A-CS-SP 3213 30th Ave N Front/Side Yard 4/16/2013	CV1282B-CS-SP 3213 30th Ave N Front/Side Yard 4/16/2013	CV1282C-CS-SP 3213 30th Ave N Side Yard 4/16/2013	CV1282D-CS-SP 3213 30th Ave N Back Yard 4/16/2013
<b>Metals mg/kg *</b>					
Arsenic	39	18.79	17.59	<b>43.17</b>	<b>39</b>
Barium	46,000	172.61	290.83	280	321.82
Cadmium	210	ND	ND	1.4	ND
Chromium(III)	350,000	88.76	105.32	120.27	100.85
Lead	400	100.97	87.7	<b>500</b>	142.62
Mercury (elemental)	30	ND	ND	0.33	ND
Selenium	1,200	ND	ND	ND	ND
Silver	1,200	ND	ND	0.14 J	ND
<b>PAHs µg/kg</b>					
Benz(a)anthracene	15,000	180	450	350	760
Benzo(a)pyrene	1,500	160 J	390 J	320 J	710 J
Benzo(b)fluoranthene	15,000	280	720	650	1,300
Benzo(k)fluoranthene	150,000	89	200	200	420
Chrysene	1,500,000	230	530	540	920
Dibenz(a,h)anthracene	1,500	40 J	97 J	89 J	160
Indeno(1,2,3-c,d)pyrene	15,000	95 J	240	220	410

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
SP	Split sample
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012



CV1290

CV1290A-CS 3437 30th Ave N Back Yard 4/11/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	14.41
Barium	46,000	ND
Cadmium	210	ND
Chromium(III)	350,000	54.25
Lead	400	127.55
Mercury (elemental)	30	6.83
Selenium	1,200	ND
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	3,300
Benzo(a)pyrene	1,500	<b>4,700 J</b>
Benzo(b)fluoranthene	15,000	7,800
Benzo(k)fluoranthene	150,000	2,500
Chrysene	1,500,000	4,300
Dibenz(a,h)anthracene	1,500	1,100
Indeno(1,2,3-c,d)pyrene	15,000	2,400

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1311

	RML	CV1311A-CS-SP 2920 33rd PI N Front Yard 4/3/2013	CV1311B-CS-SP 2920 33rd PI N Back Yard 4/3/2013
<b>Metals mg/kg *</b>			
Arsenic	39	21.73	<b>46</b>
Barium	46,000	197.18	430
Cadmium	210	ND	3.2
Chromium(III)	350,000	117.16	135.04
Lead	400	188.64	<b>430</b>
Mercury (elemental)	30	ND	0.63
Selenium	1,200	ND	ND
Silver	1,200	ND	2.6 J
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	220	45
Benzo(a)pyrene	1,500	240	37
Benzo(b)fluoranthene	15,000	350	65
Benzo(k)fluoranthene	150,000	200	27
Chrysene	1,500,000	450	51
Dibenz(a,h)anthracene	1,500	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	440	110

Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
SP	Split sample
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012
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CV1321

	RML	CV1321A-CS 2801 33rd St N Side Yard 4/18/2013	CV1321B-CS 2801 33rd St N Back Yard 4/18/2013	CV1321B-CSD 2801 33rd St N Back Yard 4/18/2013
<b>Metals mg/kg *</b>				
Arsenic	39	<b>39.95</b>	19.31	NA
Barium	46,000	510	ND	NA
Cadmium	210	2.9	ND	NA
Chromium(III)	350,000	124.92	50.64	NA
Lead	400	<b>580</b>	198.84	NA
Mercury (elemental)	30	0.38	ND	NA
Selenium	1,200	ND	ND	NA
Silver	1,200	0.67 J	ND	NA
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	310	200	200
Benzo(a)pyrene	1,500	240 J	180 J	160 J
Benzo(b)fluoranthene	15,000	450	390	370
Benzo(k)fluoranthene	150,000	130	120	100
Chrysene	1,500,000	400	260	270
Dibenz(a,h)anthracene	1,500	64 J	33	31 J
Indeno(1,2,3-c,d)pyrene	15,000	150	85	80 J

Notes:

CS	Composite sample
CSD	Composite sample, duplicate
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
NA	Not analyzed
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1329

CV1329A-CS 2925 33rd St N Back Yard 4/22/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	24
Barium	46,000	280
Cadmium	210	1.5
Chromium(III)	350,000	120
Lead	400	<b>615.59</b>
Mercury (elemental)	30	0.21
Selenium	1,200	ND
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	160
Benzo(a)pyrene	1,500	140 J
Benzo(b)fluoranthene	15,000	230
Benzo(k)fluoranthene	150,000	87
Chrysene	1,500,000	170
Dibenz(a,h)anthracene	1,500	44
Indeno(1,2,3-c,d)pyrene	15,000	130

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 J Estimated value  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1335

	RML	CV1335A-CS 2908 33rd Way N Front Yard 4/11/2013	CV1335B-CS 2908 33rd Way N Back Yard 4/11/2013
<b>Metals mg/kg *</b>			
Arsenic	39	14.34	16.35
Barium	46,000	112.73	131
Cadmium	210	ND	ND
Chromium(III)	350,000	98.84	84.38
Lead	400	103.17	123.03
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	920	1,200
Benzo(a)pyrene	1,500	1,400 J	<b>1,900 J</b>
Benzo(b)fluoranthene	15,000	2,900	4,100
Benzo(k)fluoranthene	150,000	900	1,200
Chrysene	1,500,000	1,100	1,600
Dibenz(a,h)anthracene	1,500	370	530
Indeno(1,2,3-c,d)pyrene	15,000	810	1,200

Notes:

CS Composite sample  
CV Collegeville Neighborhood  
EPA U.S. Environmental Protection Agency  
J Estimated value  
µg/kg Micrograms per kilogram  
mg/kg Milligrams per kilogram  
ND Not detected  
RML EPA Regional Removal Management Levels, dated December 2012  
PAH Polycyclic aromatic hydrocarbon  
XRF X-ray fluorescence  
\* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1342

	RML	CV1342A-CS-SP 2921 33rd Way N Front Yard 4/24/2013	CV1342B-CS-SP 2921 33rd Way N Back Yard 4/24/2013
<b>Metals mg/kg *</b>			
Arsenic	39	17.29	27.27
Barium	46,000	431.02	330
Cadmium	210	ND	1.7
Chromium(III)	350,000	112.41	124.75
Lead	400	146.04	263.93
Mercury (elemental)	30	ND	0.91
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	1,600	860
Benzo(a)pyrene	1,500	<b>1,500</b>	760
Benzo(b)fluoranthene	15,000	2,200	1,200
Benzo(k)fluoranthene	150,000	660	470
Chrysene	1,500,000	1,400	1,000
Dibenz(a,h)anthracene	1,500	380	160
Indeno(1,2,3-c,d)pyrene	15,000	1,000	510

Notes:

CS Composite sample  
 CV Collegeville Neighborhood  
 EPA U.S. Environmental Protection Agency  
 µg/kg Micrograms per kilogram  
 mg/kg Milligrams per kilogram  
 ND Not detected  
 RML EPA Regional Removal Management Levels, dated December 2012  
 PAH Polycyclic aromatic hydrocarbon  
 SP Split sample  
 XRF X-ray fluorescence  
 \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

CV1344

	RML	CV1344A-CS 2925 33rd Way N Front Yard 4/16/2013	CV1344A-CSD 2925 33rd Way N Front Yard 4/16/2013	CV1344B-CS 2925 33rd Way N Back Yard 4/16/2013	CV1344C-CS 2925 33rd Way N Veg Garden 4/16/2013
<b>Metals mg/kg *</b>					
Arsenic	39	17.62	NA	<b>59.97</b>	28.9
Barium	46,000	127.03	NA	185.74	135.12
Cadmium	210	ND	NA	ND	ND
Chromium(III)	350,000	100.64	NA	149.66	173.56
Lead	400	108.51	NA	<b>640.11</b>	196.81
Mercury (elemental)	30	ND	NA	ND	ND
Selenium	1,200	ND	NA	ND	ND
Silver	1,200	ND	NA	ND	ND
<b>PAHs µg/kg</b>					
Benz(a)anthracene	15,000	380	260	390	380
Benzo(a)pyrene	1,500	230 J	260 J	370 J	340 J
Benzo(b)fluoranthene	15,000	400	480	660	620
Benzo(k)fluoranthene	150,000	150	130	220	190
Chrysene	1,500,000	420	380	510	470
Dibenz(a,h)anthracene	1,500	44 J	58 J	74 J	65 J
Indeno(1,2,3-c,d)pyrene	15,000	110	140	200	150

## Notes:

CS	Composite sample
CSD	Composite sample, duplicate
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

CV1357

	RML	CV1357A-CS 2932 34th St N Front Yard 4/10/2013	CV1357B-CS 2932 34th St N Back Yard 4/10/2013
<b>Metals mg/kg *</b>			
Arsenic	39	31.6	<b>39.62</b>
Barium	46,000	259.93	260.18
Cadmium	210	ND	ND
Chromium(III)	350,000	177.47	161.86
Lead	400	326.24	<b>406.41</b>
Mercury (elemental)	30	ND	9.62
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	240	250
Benzo(a)pyrene	1,500	230	240
Benzo(b)fluoranthene	15,000	380	240
Benzo(k)fluoranthene	150,000	120	220
Chrysene	1,500,000	270	330
Dibenz(a,h)anthracene	1,500	78	ND
Indeno(1,2,3-c,d)pyrene	15,000	180	320

## Notes:

CS	Composite sample
CV	Collegeville Neighborhood
EPA	U.S. Environmental Protection Agency
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012



FM0023

		FM0023A-CS-SP 4128 29th Place N Front Yard 4/25/2013	FM0023B-CS-SP 4128 29th Place N Side Yard 4/25/2013	FM0023C-CS-SP 4128 29th Place N Back Yard 4/25/2013
	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	<b>40.66</b>	25.19	10.83
Barium	46,000	167.65	249.82	153.92
Cadmium	210	ND	ND	ND
Chromium(III)	350,000	58.91	62.15	73.09
Lead	400	41.81	158.73	160.33
Mercury (elemental)	30	ND	6.89	ND
Selenium	1,200	ND	ND	ND
Silver	1,200	ND	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	76	64	20
Benzo(a)pyrene	1,500	73 J	57 J	18 J
Benzo(b)fluoranthene	15,000	150	100	29
Benzo(k)fluoranthene	150,000	57	35	14
Chrysene	1,500,000	370	100	35
Dibenz(a,h)anthracene	1,500	29	14 J	ND
Indeno(1,2,3-c,d)pyrene	15,000	28	25 J	12 J

Notes:

CS	Composite sample
EPA	U.S. Environmental Protection Agency
FM	Fairmont Neighborhood
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
SP	Split sample
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012
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FM0062

FM0062A-CS 4101 29th St N Vacant Lot 4/9/2013
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RML

<b>Metals mg/kg *</b>		
Arsenic	39	25.95
Barium	46,000	211.2
Cadmium	210	ND
Chromium(III)	350,000	88.5
Lead	400	43.26
Mercury (elemental)	30	ND
Selenium	1,200	ND
Silver	1,200	ND
<b>PAHs µg/kg</b>		
Benz(a)anthracene	15,000	1,500 J
Benzo(a)pyrene	1,500	<b>1,600 J</b>
Benzo(b)fluoranthene	15,000	2,900 J
Benzo(k)fluoranthene	150,000	1,000 J
Chrysene	1,500,000	1,600 J
Dibenz(a,h)anthracene	1,500	300 J
Indeno(1,2,3-c,d)pyrene	15,000	760 J

Notes:

CS	Composite sample
EPA	U.S. Environmental Protection Agency
FM	Fairmont Neighborhood
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012

FM0351

	RML	FM0351A-CS 3932 Fairmont PI N Front Yard 4/9/2013	FM0351B-CS 3932 Fairmont PI N Side Yard 4/9/2013	FM0351C-CS 3932 Fairmont PI N Back Yard 4/9/2013
<b>Metals mg/kg *</b>				
Arsenic	39	16.62	20.94	7.38
Barium	46,000	176.74	128.32	104.09
Cadmium	210	ND	ND	ND
Chromium(III)	350,000	99.2	55.2	70.11
Lead	400	205.95	128.13	86.22
Mercury (elemental)	30	ND	ND	ND
Selenium	1,200	ND	ND	ND
Silver	1,200	ND	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	190 J	<b>19,000 J</b>	200 J
Benzo(a)pyrene	1,500	180 J	<b>18,000 J</b>	220 J
Benzo(b)fluoranthene	15,000	290 J	<b>27,000 J</b>	460 J
Benzo(k)fluoranthene	150,000	120 J	11,000 J	120 J
Chrysene	1,500,000	210 J	17,000 J	330 J
Dibenz(a,h)anthracene	1,500	94 J	<b>4,400 J</b>	85 J
Indeno(1,2,3-c,d)pyrene	15,000	170 J	10,000 J	210 J

Notes:

CS	Composite sample
EPA	U.S. Environmental Protection Agency
FM	Fairmont Neighborhood
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0063

	HP0063A-CS-SP 3658 41st Ave N Vacant Lot 4/18/2013	HP0063B-CS-SP 3658 41st Ave N Vacant Lot 4/18/2013
RML		

<b>Metals mg/kg *</b>			
Arsenic	39	<b>64.12</b>	17.03
Barium	46,000	225.91	ND
Cadmium	210	ND	ND
Chromium(III)	350,000	116.44	60.94
Lead	400	<b>428.64</b>	71.2
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	80	18
Benzo(a)pyrene	1,500	80	61
Benzo(b)fluoranthene	15,000	130	62
Benzo(k)fluoranthene	150,000	46	21
Chrysene	1,500,000	80	83
Dibenz(a,h)anthracene	1,500	26	9.1 J
Indeno(1,2,3-c,d)pyrene	15,000	96	90

Notes:

- CS Composite sample
  - EPA U.S. Environmental Protection Agency
  - HP Harriman Park Neighborhood
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - RML EPA Regional Removal Management Levels, dated December 2012
  - PAH Polycyclic aromatic hydrocarbon
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0083

	HP0083A-CS-SP 3529 42nd Ave N Front Yard 4/11/2013	HP0083B-CS-SP 3529 42nd Ave N Back Yard 4/11/2013
RML		

<b>Metals mg/kg *</b>			
Arsenic	39	18.45	ND
Barium	46,000	154.68	139.78
Cadmium	210	ND	ND
Chromium(III)	350,000	96.3	137.1
Lead	400	94.63	<b>775.09</b>
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	210	56
Benzo(a)pyrene	1,500	180	40
Benzo(b)fluoranthene	15,000	390	100
Benzo(k)fluoranthene	150,000	180	22
Chrysene	1,500,000	300	73
Dibenz(a,h)anthracene	1,500	91	ND
Indeno(1,2,3-c,d)pyrene	15,000	230	97

Notes:

- CS Composite sample
- EPA U.S. Environmental Protection Agency
- HP Harriman Park Neighborhood
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- RML EPA Regional Removal Management Levels, dated December 2012
- PAH Polycyclic aromatic hydrocarbon
- SP EPA Regional Removal Management Levels, dated December 2012
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0142

	HP0142A-CS-SP 3705 42nd Ave N Vacant Lot 4/9/2013	HP0142B-CS-SP 3705 42nd Ave N Vacant Lot 4/9/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	11.41	24.02
Barium	46,000	153.92	ND
Cadmium	210	ND	ND
Chromium(III)	350,000	98.72	109.19
Lead	400	75.83	147.38
Mercury (elemental)	30	<b>53.19</b>	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	160 J	620 J
Benzo(a)pyrene	1,500	210 J	700 J
Benzo(b)fluoranthene	15,000	380 J	1300 J
Benzo(k)fluoranthene	150,000	210 J	430 J
Chrysene	1,500,000	210 J	770 J
Dibenz(a,h)anthracene	1,500	110 J	200 J
Indeno(1,2,3-c,d)pyrene	15,000	200 J	510 J

Notes:

- CS Composite sample
  - EPA U.S. Environmental Protection Agency
  - HP Harriman Park Neighborhood
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - RML EPA Regional Removal Management Levels, dated December 2012
  - PAH Polycyclic aromatic hydrocarbon
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0200

	HP0200A-CS-SP 3672 43rd Ave N Vacant Lot 4/24/2013	HP0200B-CS-SP 3672 43rd Ave N Vacant Lot 4/24/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	ND	26 J
Barium	46,000	78.33	300
Cadmium	210	ND	6.4
Chromium(III)	350,000	74.15	133.62
Lead	400	<b>2,231.65</b>	<b>6,666</b>
Mercury (elemental)	30	ND	0.48
Selenium	1,200	ND	14.06
Silver	1,200	ND	18 J
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	94	ND
Benzo(a)pyrene	1,500	ND	ND
Benzo(b)fluoranthene	15,000	ND	72 J
Benzo(k)fluoranthene	150,000	ND	ND
Chrysene	1,500,000	130	120 J
Dibenz(a,h)anthracene	1,500	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	ND	ND
<b>PCBs µg/kg</b>			
PCB-1016	12,000	ND	ND
PCB-1221	14,000	ND	ND
PCB-1232	14,000	ND	ND
PCB-1242	22,000	ND	ND
PCB-1248	22,000	1,500	2,500 J
PCB-1254	3,400	3,000 J	<b>8,300 J</b>
PCB-1260	22,000	4,600	15,000 J

Notes:

- CS Composite sample
- EPA EPA Regional Removal Management Levels, dated December 2012
- HP Harriman Park Neighborhood
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- RML EPA Regional Removal Management Levels, dated December 2012
- PAH Polycyclic aromatic hydrocarbon
- PCBs Polychlorinated biphenyls
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0202

	HP0202A-CS-SP 3700 43rd Ave N Front Yard 4/11/2013	HP0202B-CS-SP 3700 43rd Ave N Back Yard 4/11/2013	HP0202C-CS-SP 3700 43rd Ave N Side Yard 4/11/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	22.55	<b>59.82</b>	<b>45 J</b>
Barium	46,000	280.35	179.89	730
Cadmium	210	ND	ND	5
Chromium(III)	350,000	128.44	156.45	159.96
Lead	400	145.22	<b>613.34</b>	<b>450</b>
Mercury (elemental)	30	ND	ND	8.58
Selenium	1,200	ND	ND	ND
Silver	1,200	ND	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	380	670	210
Benzo(a)pyrene	1,500	350	500	260 J
Benzo(b)fluoranthene	15,000	700	900	370
Benzo(k)fluoranthene	150,000	190	380	110
Chrysene	1,500,000	510	640	330 J
Dibenz(a,h)anthracene	1,500	110	150	ND
Indeno(1,2,3-c,d)pyrene	15,000	280	340	380

Notes:

CS	Composite sample
EPA	U.S. Environmental Protection Agency
HP	Harriman Park Neighborhood
J	Estimated value
µg/kg	Micrograms per kilogram
mg/kg	Milligrams per kilogram
ND	Not detected
RML	EPA Regional Removal Management Levels, dated December 2012
PAH	Polycyclic aromatic hydrocarbon
SP	Split sample
XRF	X-ray fluorescence
*	Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
<b>BOLD</b>	Shaded values are above the EPA RMLs, dated December 2012



HP0234

HP0234A-CS-SP 3640 44th Ave N Vacant Lot 4/17/2013	HP0234B-CS-SP 3640 44th Ave N Vacant Lot 4/17/2013
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	RML		
<b>Metals mg/kg *</b>			
Arsenic	39	20.76	<b>41.62</b>
Barium	46,000	303.61	338.98
Cadmium	210	ND	ND
Chromium(III)	350,000	106.79	95.47
Lead	400	134.11	<b>623.25</b>
Mercury (elemental)	30	ND	ND
Selenium	1,200	ND	ND
Silver	1,200	ND	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	240	650
Benzo(a)pyrene	1,500	380	510
Benzo(b)fluoranthene	15,000	450	740
Benzo(k)fluoranthene	150,000	110	240
Chrysene	1,500,000	290	560
Dibenz(a,h)anthracene	1,500	66 J	78
Indeno(1,2,3-c,d)pyrene	15,000	330	340

Notes:

- CS Composite sample
- EPA U.S. Environmental Protection Agency
- HP Harriman Park Neighborhood
- J Estimated value
- µg/kg Micrograms per kilogram
- mg/kg Milligrams per kilogram
- ND Not detected
- RML EPA Regional Removal Management Levels, dated December 2012
- PAH Polycyclic aromatic hydrocarbon
- SP Split sample
- XRF X-ray fluorescence
- \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results

**BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0283

	HP0283A-CS-SP 3721 45th Ave N Front Yard 4/9/2013	HP0283B-CS-SP 3721 45th Ave N Back Yard 4/9/2013	HP0283C-CS-SP 3721 45th Ave N Veg Garden 4/9/2013
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	RML			
<b>Metals mg/kg *</b>				
Arsenic	39	<b>41</b>	32.06	19.81
Barium	46,000	170	197.61	336.06
Cadmium	210	2.4	ND	ND
Chromium(III)	350,000	120	183.16	155.16
Lead	400	<b>420</b>	147.22	83.49
Mercury (elemental)	30	0.18	ND	ND
Selenium	1,200	6.1	ND	ND
Silver	1,200	0.83 J	ND	ND
<b>PAHs µg/kg</b>				
Benz(a)anthracene	15,000	80 J	ND	20 J
Benzo(a)pyrene	1,500	79 J	27 J	15 J
Benzo(b)fluoranthene	15,000	130 J	48 J	40 J
Benzo(k)fluoranthene	150,000	69 J	22 J	25 J
Chrysene	1,500,000	220 J	24 J	42 J
Dibenz(a,h)anthracene	1,500	77 J	ND	ND
Indeno(1,2,3-c,d)pyrene	15,000	110 J	ND	ND

Notes:

- CS Composite sample
  - EPA U.S. Environmental Protection Agency
  - HP Harriman Park Neighborhood
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - RML EPA Regional Removal Management Levels, dated December 2012
  - PAH Polycyclic aromatic hydrocarbon
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
- BOLD** Shaded values are above the EPA RMLs, dated December 2012

HP0311

	RML	HP0311A-CS-SP 4417 F L Shuttlesworth Dr Front Yard 4/17/2013	HP0311B-CS-SP 4417 F L Shuttlesworth Dr Back Yard 4/17/2013
<b>Metals mg/kg *</b>			
Arsenic	39	<b>44</b>	<b>40.11</b>
Barium	46,000	360	279.64
Cadmium	210	1.8	ND
Chromium(III)	350,000	123.14	145.61
Lead	400	<b>520</b>	<b>618.42</b>
Mercury (elemental)	30	0.21	ND
Selenium	1,200	1.3 J	ND
Silver	1,200	0.53 J	ND
<b>PAHs µg/kg</b>			
Benz(a)anthracene	15,000	380	870
Benzo(a)pyrene	1,500	320 J	910
Benzo(b)fluoranthene	15,000	660	1,700
Benzo(k)fluoranthene	150,000	170	410
Chrysene	1,500,000	440	1,100
Dibenz(a,h)anthracene	1,500	59 J	240
Indeno(1,2,3-c,d)pyrene	15,000	120	710

Notes:

- CS Composite sample
  - EPA U.S. Environmental Protection Agency
  - HP Harriman Park Neighborhood
  - J Estimated value
  - µg/kg Micrograms per kilogram
  - mg/kg Milligrams per kilogram
  - ND Not detected
  - RML EPA Regional Removal Management Levels, dated December 2012
  - PAH Polycyclic aromatic hydrocarbon
  - SP Split sample
  - XRF X-ray fluorescence
  - \* Value reported is the highest concentration of the sieved and unsieved XRF and laboratory results
- BOLD** Shaded values are above the EPA RMLs, dated December 2012