Report of Findings

PAH Background Study
(DE-1348)
New Castle, Kent, and Sussex Counties, Delaware

November 2014

EA Engineering, Science, and Technology, Inc.

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REPORT of FINDINGS

PAH Background Study (DE-1348)
New Castle, Kent, and Sussex Counties, Delaware

Prepared for:

Delaware Department of Natural Resources and Environmental Control
Site Investigation and Restoration Section
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November 2014

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ACRONYMS AND ABBREVIATIONS

bgs	Below Ground Surface
BTVs	Background Threshold Values
CV	Coefficient of Variation
DNREC	Delaware Department of Natural Resources and Environmental Control
EA	EA Engineering, Science, and Technology, Inc.
FOD	Frequency of Detection
HSCA	Hazardous Substance Cleanup Act
PAH	Polycyclic aromatic hydrocarbon
SIRS	Site Investigation and Restoration Section
TCL	Target Compound List
UCL	Upper Confidence Level
UTL	Upper Tolerance Level

1. INTRODUCTION

EA Engineering, Science, and Technology Inc., (EA) has been tasked by the Delaware Department of Natural Resources and Environmental Control-Site Investigation and Restoration Section (DNREC-SIRS) to conduct a background study of polycyclic aromatic hydrocarbon (PAH) concentrations found in urban and rural/suburban areas of New Castle, Kent, and Sussex Counties, Delaware (DE-1348). PAHs are widely present in Delaware soils due to industrial activities resulting in releases, as defined by the Hazardous Substance Cleanup Act (HSCA). PAHs are also believed to be present in soil where no specific release has occurred due to natural causes (e.g., fire) or due to ubiquitous, anthropogenic impacts. Ubiquitous, anthropogenic impacts result in an ambient condition and are the result of deposition of PAH particles originating from sources such as vehicle exhaust and asphalt.

In 2012, DNREC-SIRS completed a statewide background soil study of PAHs and metals in an attempt to establish background levels to compare to levels at HSCA sites. This study focused on rural/suburban sites with no history of industrial use, development, or suspected contamination. The current background study is an expansion of the 2012 study, in that it includes the collection of samples in urban areas as well as rural/residential areas. A total of 12 background areas were selected for sampling and were dispersed among two geologic provinces and the three counties of the state. The selection of the background areas is detailed in a letter report provided to DNREC 23 October 2013 (EA 2013a). The 12 background areas are identified in Table 1 and their locations are presented in Figure 1.

Table 1. Background Areas and Study Site Numbers

County	Study Site Number	Reference Area	Reference Area Category
New Castle	16	Brandywine Creek State Park	Rural/Suburban
New Castle	15	Lums Pond State Park	Rural/Suburban
New Castle	9	Banning Park	Urban
New Castle	10	Bellevue State Park	Urban
Kent	5	Norman Wilder Wildlife Area	Rural/Suburban
Kent	6	Norman Wilder Wildlife Area	Rural/Suburban
Kent	11	Smyrna Municipal Park	Urban
Kent	12	Brecknock Park	Urban
Sussex	7	Redden State Forest	Rural/Suburban
Sussex	8	Redden State Forest	Rural/Suburban
Sussex	13	Williams Pond Park	Urban
Sussex	14	Marshall's Pond Park	Urban

Study site numbers for the rural/suburban sites are the same as were used in the 2012 background study with the exception of Brandywine Creek State Park and Lums Pond State Park.

The purpose of this Report of Findings is to summarize the field activities completed in support of the background study and discuss the analytical results of the sampling effort. Based on discussions held between EA and DNREC-SIRS throughout the spring of 2014, it was determined that the Report of Findings would present the analytical data, and compute basic summary statistics from the state-wide pooled dataset.

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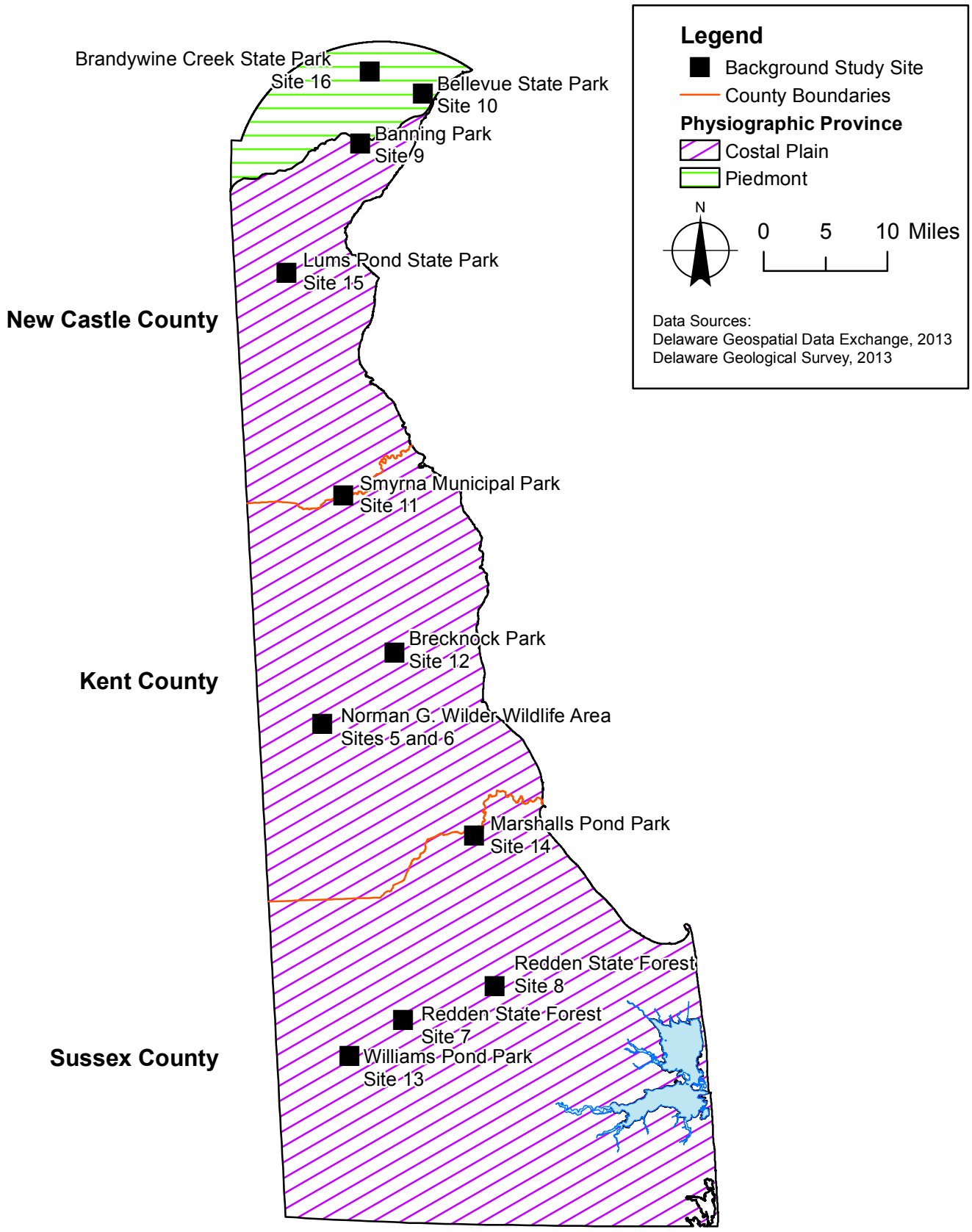

PAH Background Study
New Castle, Kent, and
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Figure 1
Geologic Provinces and
Reference Area Locations

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2. FIELD ACTIVITIES

Field activities were conducted in accordance with the final sampling and analysis plan (EA 2013b). Sampling activities were completed between 4 November and 13 November 2013. Twenty surface soil samples collected from 0-6 inches below ground surface (bgs) (or below the root zone) were collected from a 20-point grid established within each reference area. In addition, 2 of the 20 locations were randomly selected for subsurface soil sampling in 6-inch increments to a depth of 24-inches bgs. Sample locations are presented in Figures 2 through 12 and final sample coordinates are provided in Table 2. All surface and subsurface soil samples were submitted to Test America for analysis of Target Compound List (TCL) PAHs via method 8260B.

Table 2. Final Sample Coordinates

NEW CASTLE COUNTY					
Brandywine Creek State Park, Site 16					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF16-SO01	185880.70	200520.02	REF16-SO11	185937.77	200524.12
REF16-SO02	185895.99	200535.31	REF16-SO12	185953.06	200539.41
REF16-SO03	185911.28	200550.60	REF16-SO13	185912.78	200472.64
REF16-SO04	185926.57	200565.89	REF16-SO14	185928.07	200487.94
REF16-SO05	185886.29	200499.13	REF16-SO15	185943.36	200503.23
REF16-SO06	185901.59	200514.42	REF16-SO16	185958.65	200518.52
REF16-SO07	185916.88	200529.71	REF16-SO17	185933.67	200467.05
REF16-SO08	185932.17	200545.00	REF16-SO18	185948.96	200482.34
REF16-SO09	185907.18	200493.53	REF16-SO19	185964.25	200497.63
REF16-SO10	185922.47	200508.82	REF16-SO20	185979.54	200512.92
Lums Pond State Park, Site 15					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF15-SO01	174070.21	173446.67	REF15-SO11	174113.54	173409.14
REF15-SO02	174091.69	173450.44	REF15-SO12	174131.62	173409.14
REF15-SO03	174113.54	173446.67	REF15-SO13	174056.36	173388.31
REF15-SO04	174140.11	173446.86	REF15-SO14	174081.04	173390.38
REF15-SO05	174059.38	173427.90	REF15-SO15	174102.71	173390.38
REF15-SO06	174081.04	173427.90	REF15-SO16	174124.37	173390.38
REF15-SO07	174110.63	173428.09	REF15-SO17	174070.21	173371.62
REF15-SO08	174124.37	173427.90	REF15-SO18	174091.88	173371.62
REF15-SO09	174070.21	173409.14	REF15-SO19	174113.54	173371.62
REF15-SO10	174091.88	173409.14	REF15-SO20	174131.81	173371.62
Banning Park, Site 9					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF09-SO01	184989.45	190936.37	REF09-SO11	185032.70	190898.91
REF09-SO02	185011.07	190936.37	REF09-SO12	185054.32	190898.91
REF09-SO03	185032.70	190936.37	REF09-SO13	184978.64	190880.19
REF09-SO04	185054.32	190936.37	REF09-SO14	185000.26	190880.19
REF09-SO05	184978.64	190917.64	REF09-SO15	185021.89	190880.19
REF09-SO06	185000.26	190917.64	REF09-SO16	185043.51	190880.19
REF09-SO07	185021.89	190917.64	REF09-SO17	184989.45	190861.46

Table 2. Final Sample Coordinates

Banning Park, Site 9 continued					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF09-SO08	185043.51	190917.64	REF09-SO18	185011.07	190861.46
REF09-SO09	184989.45	190898.91	REF09-SO19	185032.70	190861.46
REF09-SO10	185011.07	190898.91	REF09-SO20	185054.32	190861.46
Bellevue State Park, Site 10					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF10-SO01	194161.61	197077.32	REF10-SO11	194204.86	197039.87
REF10-SO02	194183.23	197077.32	REF10-SO12	194226.48	197039.87
REF10-SO03	194204.86	197077.32	REF10-SO13	194150.79	197021.14
REF10-SO04	194226.48	197077.32	REF10-SO14	194172.42	197021.14
REF10-SO05	194150.79	197058.60	REF10-SO15	194194.04	197021.14
REF10-SO06	194172.42	197058.60	REF10-SO16	194215.67	197021.14
REF10-SO07	194194.04	197058.60	REF10-SO17	194161.61	197002.41
REF10-SO08	194215.67	197058.60	REF10-SO18	194183.23	197002.41
REF10-SO09	194161.61	197039.87	REF10-SO19	194204.86	197002.41
REF10-SO10	194183.23	197039.87	REF10-SO20	194226.48	197002.41
KENT COUNTY					
Norman Wilder Wildlife Area, Site 5					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF05-SO01	180655.48	115298.87	REF05-SO11	180623.05	115242.71
REF05-SO02	180601.43	115280.15	REF05-SO12	180644.67	115242.71
REF05-SO03	180623.05	115280.15	REF05-SO13	180666.29	115242.71
REF05-SO04	180644.67	115280.15	REF05-SO14	180687.90	115242.71
REF05-SO05	180666.29	115280.15	REF05-SO15	180612.24	115223.98
REF05-SO06	180612.24	115261.43	REF05-SO16	180633.86	115223.98
REF05-SO07	180633.86	115261.43	REF05-SO17	180655.48	115223.98
REF05-SO08	180655.48	115261.43	REF05-SO18	180677.09	115223.98
REF05-SO09	180677.09	115261.43	REF05-SO19	180623.05	115205.26
REF05-SO10	180601.43	115242.71	REF05-SO20	180644.67	115205.26
Norman Wilder Wildlife Area, Site 6					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF06-SO01	180013.67	115702.62	REF06-SO11	180057.02	115665.07
REF06-SO02	180035.34	115702.62	REF06-SO12	180078.69	115665.07
REF06-SO03	180057.02	115702.62	REF06-SO13	180002.83	115646.30
REF06-SO04	180078.69	115702.62	REF06-SO14	180024.50	115646.30
REF06-SO05	180002.83	115683.85	REF06-SO15	180046.18	115646.30
REF06-SO06	180024.50	115683.85	REF06-SO16	180067.85	115646.30
REF06-SO07	180046.18	115683.85	REF06-SO17	180013.67	115627.53
REF06-SO08	180067.85	115683.85	REF06-SO18	180035.34	115627.53
REF06-SO09	180013.67	115665.07	REF06-SO19	180057.02	115627.53
REF06-SO10	180035.34	115665.07	REF06-SO20	180078.69	115627.53

Table 2. Final Sample Coordinates

Smyrna Municipal Park, Site 11					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF11-SO01	182955.25	145075.15	REF11-SO11	182995.87	145039.97
REF11-SO02	182975.56	145075.15	REF11-SO12	182945.09	145022.38
REF11-SO03	182995.87	145075.15	REF11-SO13	182965.40	145022.38
REF11-SO04	182945.09	145057.56	REF11-SO14	182985.72	145022.38
REF11-SO05	182965.40	145057.56	REF11-SO15	183006.03	145022.38
REF11-SO06	182985.72	145057.56	REF11-SO16	182934.93	145004.79
REF11-SO07	183006.03	145057.56	REF11-SO17	182955.25	145004.79
REF11-SO08	182934.93	145039.97	REF11-SO18	182975.56	145004.79
REF11-SO09	182955.25	145039.97	REF11-SO19	182995.87	145004.79
REF11-SO10	182975.56	145039.97	REF11-SO20	182985.72	144987.19
Brecknock Park, Site 12					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF12-SO01	189410.76	124674.93	REF12-SO11	189454.01	124637.47
REF12-SO02	189432.39	124674.93	REF12-SO12	189475.64	124637.47
REF12-SO03	189454.01	124674.93	REF12-SO13	189421.57	124618.74
REF12-SO04	189475.64	124674.93	REF12-SO14	189443.20	124618.74
REF12-SO05	189421.57	124656.20	REF12-SO15	189464.83	124618.74
REF12-SO06	189443.20	124656.20	REF12-SO16	189486.45	124618.74
REF12-SO07	189464.83	124656.20	REF12-SO17	189410.76	124600.02
REF12-SO08	189486.45	124656.20	REF12-SO18	189432.39	124600.02
REF12-SO09	189410.76	124637.47	REF12-SO19	189454.01	124600.02
REF12-SO10	189432.39	124637.47	REF12-SO20	189475.64	124600.02
SUSSEX COUNTY					
Redden State Forest, Site 7					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF07-SO01	190996.25	76930.02	REF07-SO11	190952.94	76817.49
REF07-SO02	190985.42	76911.26	REF07-SO12	190974.59	76817.49
REF07-SO03	191007.08	76911.26	REF07-SO13	190942.11	76798.74
REF07-SO04	190974.59	76892.51	REF07-SO14	190963.77	76798.74
REF07-SO05	190996.25	76892.51	REF07-SO15	190952.94	76779.98
REF07-SO06	190985.42	76873.75	REF07-SO16	190974.59	76779.98
REF07-SO07	190974.59	76855.00	REF07-SO17	190942.11	76761.23
REF07-SO08	190996.25	76855.00	REF07-SO18	190963.77	76761.23
REF07-SO09	190963.77	76836.25	REF07-SO19	190931.28	76742.47
REF07-SO10	190985.42	76836.25	REF07-SO20	190952.94	76742.47
Redden State Forest, Site 8					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF08-SO01	202889.15	81364.58	REF08-SO11	202932.46	81327.07
REF08-SO02	202910.80	81364.58	REF08-SO12	202954.12	81327.07
REF08-SO03	202932.46	81364.58	REF08-SO13	202878.32	81308.32
REF08-SO04	202954.12	81364.58	REF08-SO14	202899.97	81308.32
REF08-SO05	202878.32	81345.83	REF08-SO15	202921.63	81308.32
REF08-SO06	202899.97	81345.83	REF08-SO16	202943.29	81308.32
REF08-SO07	202921.63	81345.83	REF08-SO17	202889.15	81289.56

Table 2. Final Sample Coordinates

Redden State Forest, Site 8 continued					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF08-SO08	202943.29	81345.83	REF08-SO18	202910.80	81289.56
REF08-SO09	202889.15	81327.07	REF08-SO19	202932.46	81289.56
REF08-SO10	202910.80	81327.07	REF08-SO20	202954.12	81289.56
Williams Pond Park, Site 13					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF13-SO01	184012.15	72149.84	REF13-SO11	184044.27	72094.20
REF13-SO02	183980.02	72131.29	REF13-SO12	184065.69	72094.20
REF13-SO03	184001.44	72131.29	REF13-SO13	184012.15	72075.65
REF13-SO04	184022.86	72131.29	REF13-SO14	184033.56	72075.65
REF13-SO05	183972.02	72115.90	REF13-SO15	184054.98	72075.65
REF13-SO06	183990.73	72112.74	REF13-SO16	184073.02	72078.80
REF13-SO07	184012.15	72112.74	REF13-SO17	184022.86	72057.10
REF13-SO08	184033.56	72112.74	REF13-SO18	184044.27	72057.10
REF13-SO09	184001.44	72094.20	REF13-SO19	184065.69	72057.10
REF13-SO10	184022.86	72094.20	REF13-SO20	184033.56	72038.55
Marshall's Pond Park, Site 14					
Location	X-Coordinate	Y-Coordinate	Location	X-Coordinate	Y-Coordinate
REF14-SO01	200162.46	100771.27	REF14-SO11	200240.99	100712.97
REF14-SO02	200184.90	100771.27	REF14-SO12	200207.34	100693.54
REF14-SO03	200155.82	100751.84	REF14-SO13	200229.77	100693.54
REF14-SO04	200173.68	100751.84	REF14-SO14	200218.56	100674.11
REF14-SO05	200196.12	100751.84	REF14-SO15	200235.46	100674.11
REF14-SO06	200184.90	100732.41	REF14-SO16	200207.34	100654.68
REF14-SO07	200207.34	100732.41	REF14-SO17	200229.77	100654.68
REF14-SO08	200227.49	100732.21	REF14-SO18	200199.17	100637.54
REF14-SO09	200196.12	100712.97	REF14-SO19	200218.56	100635.25
REF14-SO10	200218.56	100712.97	REF14-SO20	200234.51	100636.01

Projected Coordinate System: NAD_1983_StatePlane_Delaware_FIPS_0700, meters.

Based on the results of the PAH analysis, 13 surface soil samples (0-6 inches) from five reference areas were selected by DNREC-SIRS for additional analysis of total organic carbon (Lloyd Kahn method), black carbon (Lloyd Kahn method), and alkylated PAH homologs (8270C SIM). These additional analyses were performed to help determine whether PAHs detected in soil samples were a result of a release of hazardous substances or background concentrations. The samples selected for these additional analyses are listed below in Table 3.

Table 3. Samples Selected for Supplemental Analyses

Reference Area	**Study Site Number**	**Sample Name**
Norman Wilder Wildlife Area	5	Ref05-S008-00-06
		Ref05-S010-00-06
		Ref05-S016-00-06
		Ref05-Dup10-11/8/13
Redden State Forest	8	REF08-S015-00-06
Smyrna Municipal Park	11	Ref11-S001-06-12
		Ref11-S003-00-06
		Ref11-S017-00-06
		Ref11-Dup15-11/13/13
Williams Pond Park	13	REF13-S016-00-06
		REF13-S018-00-06
Marshall's Pond Park	14	REF14-S001-00-06
		REF14-S005-00-06

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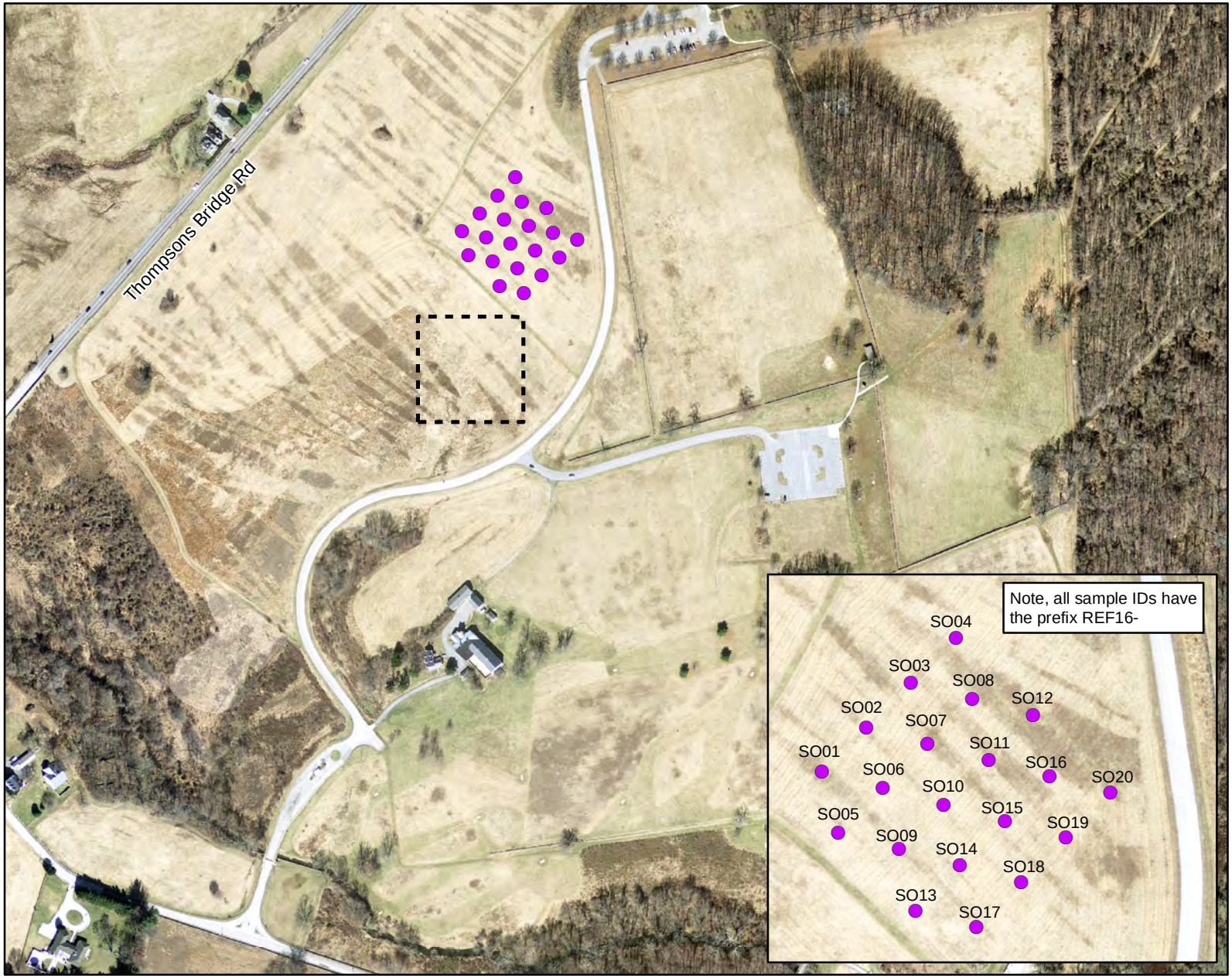

Legend

- 2013 Sample Location
- Sampling Grid from 2012 Background Study

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500
Feet

Scale for sample name detail:

0 100 200
Feet

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Figure 2
Sample Locations in Brandywine Creek State Park, Site 16

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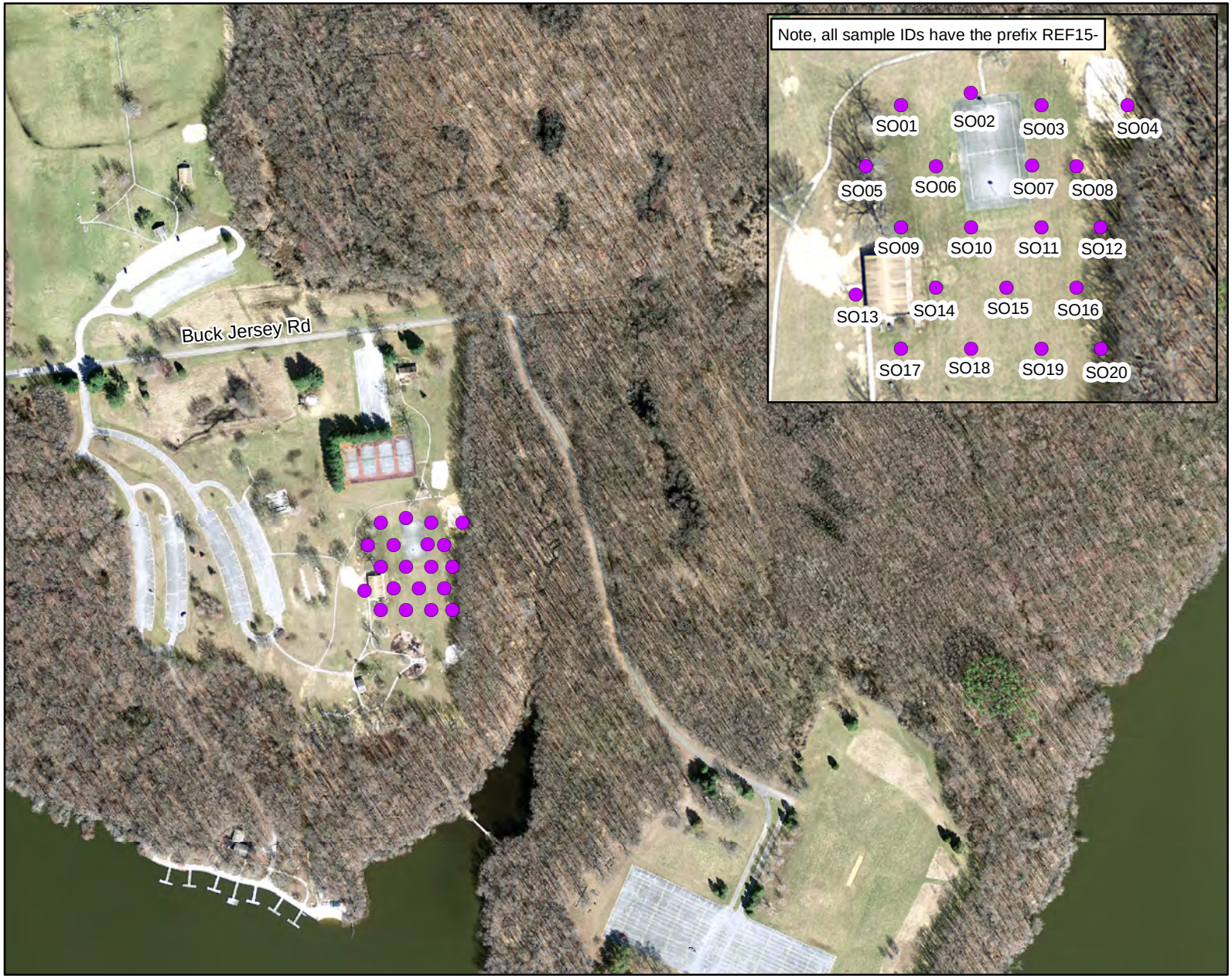

Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500

Feet

Scale for sample name detail:

0 100 200

Feet

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Figure 3
Sample Locations in Lums Pond State Park, Site 15

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Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500

Feet

Scale for sample name detail:

0 100 200

Feet

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Figure 4
Sample Locations in Banning Park, Site 9

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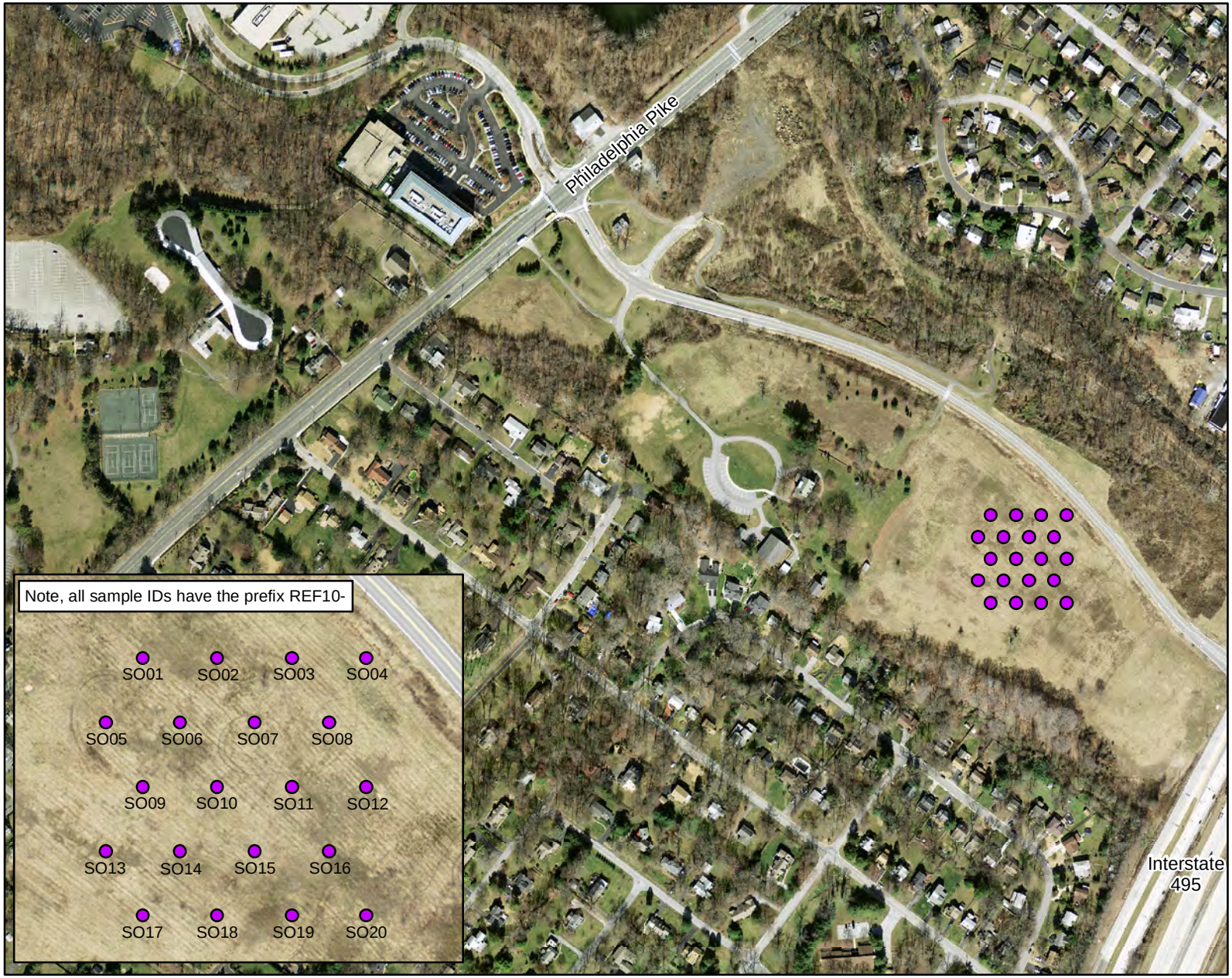

Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500

Feet

Scale for sample name detail:

0 100 200

Feet

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Figure 5
Sample Locations in Bellevue State Park, Site 10

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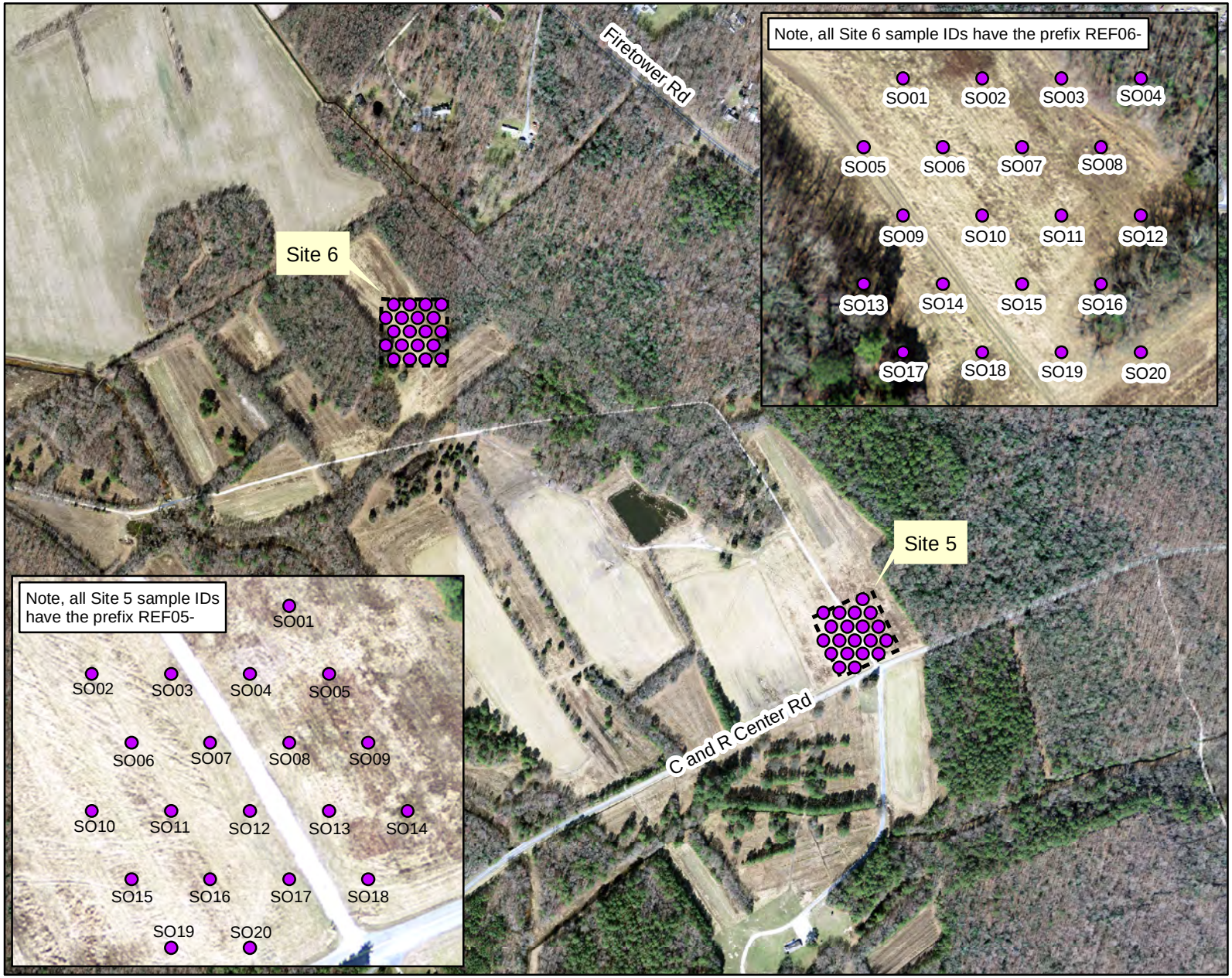

Legend

- 2013 Sample Location
- Sampling Grid from 2012 Background Study

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 400 800

Feet

Scale for sample name detail maps:

0 100 200

Feet

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New Castle, Kent, and Sussex Counties, Delaware

Figure 6
Sample Locations at Norman G. Wilder Wildlife Area, Sites 5 and 6

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Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500

Feet

Scale for sample name detail:

0 75 150

Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 7
Sample Locations in Smyrna Municipal Park, Site 11

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_7-Smyrna.mxd

Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500
Feet

Scale for sample name detail:

0 75 150
Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 8
Sample Locations in Brecknock Park, Site 12

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_8-Brecknock.mxd

Legend

- 2013 Sample Location
- Sampling Grid from 2012 Background Study

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500
Feet

Scale for sample name detail:

0 100 200
Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 9
Sample Locations in Redden State Forest, Site 7

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_9-Redden7.mxd

Legend

- 2013 Sample Location
- Sampling Grid from 2012 Background Study

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500
Feet

Scale for sample name detail:

0 100 200
Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 10
Sampling Locations in Redden State Forest, Site 8

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_10-Redden8.mxd

Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500

Feet

Scale for sample name detail:

0 100 200

Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 11
Sample Locations in Williams Pond Park, Site 13

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_11-Williams.mxd

Legend

2013 Sample Location

Aerial Image: USGS, 2012

N

Scale for Main Map:

0 250 500
Feet

Scale for sample name detail:

0 100 200
Feet

EA Engineering, Science, and Technology, Inc.

PAH Background Study

New Castle, Kent, and Sussex Counties, Delaware

Figure 12
Sample Locations in Marshalls Pond Park, Site 14

\\abingdon\projects\Universal GIS\DNREC\MXDs\PAH Study\Rpt_of_Findings_12-Marshalls.mxd

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3. ANALYTICAL RESULTS AND SUMMARY STATISTICS

3.1 Summary of Analytical Results

Table 4 presents the analytical results for the surface soil samples (standard analyses), Table 5 presents the analytical results for the subsurface soil samples (standard analyses), and Table 6 presents the analytical results for the supplemental analyses. In general, the frequency of detection (FOD) was low. PAHs were detected with greater frequency at four sites, Smyrna Municipal Park, Norman Wilder Wildlife Area Site 5, Williams Pond Park, and Marshall's Pond Park. In addition, high molecular weight PAHs tended to have higher FODs than low molecular weight PAHs (acenaphthene, acenaphthylene, anthracene, fluoranthene, indeno[1,2,3-c,d]pyrene, and phenanthrene).

3.2 Summary Statistics

Table 7 presents summary statistics for the surface soil dataset. Figures 13 and 14 present box plots for the high and low molecular weight PAHs, respectively, and Figure 15 presents quantile plots.

Summary statistics (Table 7) were computed in accordance with the DNREC Remediation Standards Guidance under the Delaware Hazardous Substance Cleanup Act (DNREC 1999). The following univariate statistics were computed:

- Measures of Central Tendency: arithmetic mean, geometric mean, median, and mode.
- Measures of Variability: range, minimum, maximum, maximum detected value, variance, standard deviation, standard error of the mean, and coefficient of variation (CV).
- Statistical Intervals: The 95% Upper Confidence Level (UCL) of the mean, and the 95% Upper Tolerance Level (UTL) with 90% coverage were computed using the procedure described in Gilbert (1987).
- Adjusted Statistical Intervals: For data sets with a CV greater than 50%, an adjusted UCL and UTL were computed from the 10% trimmed dataset in order to evaluate the effects of potential outliers.

The box plots (Figures 13 and 14) present the 25th percentile, median, and 75th percentile of the data. The whiskers indicate the 5th and 95th percentiles, and detected sample results exceeding the 99th percentile are identified. The box plots show that the data distributions have a large spread.

Quantile plots of the state-wide data (Figure 15) show obvious inflection points indicating that the combined data consist of at least two subpopulations. Therefore, goodness-of-fit tests were not conducted. It is recommended that an evaluation be conducted to extract meaningful subpopulations from the data before background threshold values (BTVs) are computed.

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO01	REF05-SO02	REF05-SO03	REF05-SO04	REF05-SO05
			Sample Name	REF05-SO01-00-06	REF05-SO02-00-06	REF05-SO03-00-06	REF05-SO04-00-06	REF05-SO05-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	420 U	410 U	420 U	400 U	390 U
2-methylnaphthalene	ug/kg	0	NA	420 U	410 U	420 U	400 U	390 U
Acenaphthene	ug/kg	3	6.4 - 9.5	420 U*	410 U*	420 U*	400 U	390 U
Acenaphthylene	ug/kg	10	5.6 - 340	420 U	410 U	420 U	400 U	390 U
Anthracene	ug/kg	13	7.2 - 88	420 U	410 U	420 U	400 U	390 U
Benzo[a]anthracene	ug/kg	43	12 - 820	42 U	41 U	42 U	40 U	39 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	42 U	41 U	42 U	40 U	39 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	42 U	41 U	42 U	40 U	39 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	420 U	410 U	420 U	400 U	390 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	42 U	41 U	42 U	40 U	39 U
Chrysene	ug/kg	33	43 - 1100	420 U	410 U	420 U	400 U	390 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	42 U	41 U	42 U	40 U	39 U
Fluoranthene	ug/kg	40	28 - 1200	420 U	410 U	420 U	400 U	390 U
Fluorene	ug/kg	2	7.4 - 29	420 U	410 U	420 U	400 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	42 U	41 U	42 U	40 U	39 U
Naphthalene	ug/kg	0	NA	420 U	410 U	420 U	400 U	390 U
Phenanthrene	ug/kg	21	5 - 1300	420 U	410 U	420 U	400 U	390 U
Pyrene	ug/kg	53	32 - 1300	420 U	410 U	420 U	400 U	390 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO06	REF05-SO07	REF05-SO08	REF05-SO09	REF05-SO10
			Sample Name	REF05-SO06-00-06	REF05-SO07-00-06	REF05-SO08-00-06	REF05-SO09-00-06	REF05-SO10-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	420 U	410 U	410 U	400 U	400 U
2-methylnaphthalene	ug/kg	0	NA	420 U	410 U	3.3 U	400 U	6.5 U
Acenaphthene	ug/kg	3	6.4 - 9.5	420 U	410 U	3.3 U	400 U	6.5 U
Acenaphthylene	ug/kg	10	5.6 - 340	420 U	410 U	5.6	400 U	6.5 U
Anthracene	ug/kg	13	7.2 - 88	420 U	410 U	9.9	400 U	19
Benzo[a]anthracene	ug/kg	43	12 - 820	42 U	41 U	29	40 U	140
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	42 U	41 U	51	40 U	170
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	42 U	41 U	120	40 U	180
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	33 J	410 U	56	400 U	110
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	42 U	41 U	71	40 U	150
Chrysene	ug/kg	33	43 - 1100	420 U	410 U	60	400 U	160
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	42 U	41 U	17	40 U	34
Fluoranthene	ug/kg	40	28 - 1200	420 U	410 U	28	400 U	230
Fluorene	ug/kg	2	7.4 - 29	420 U	410 U	3.3 U	400 U	6.5 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	42 U	41 U	45	40 U	91
Naphthalene	ug/kg	0	NA	420 U	410 U	3.3 U	400 U	6.5 U
Phenanthrene	ug/kg	21	5 - 1300	420 U	410 U	5	400 U	97
Pyrene	ug/kg	53	32 - 1300	62 J	410 U	32	400 U	160

No. of detects out of 256 samples.

NA = not applicable.

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO11	REF05-SO12	REF05-SO13	REF05-SO14	REF05-SO15
			Sample Name	REF05-SO11-00-06	REF05-SO12-00-06	REF05-SO13-00-06	REF05-SO14-00-06	REF05-SO15-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	410 U	400 U	370 U	390 U	410 U
2-methylnaphthalene	ug/kg	0	NA	410 U	400 U	370 U	390 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	410 U	400 U	370 U	390 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	410 U	400 U	370 U	390 U	410 U
Anthracene	ug/kg	13	7.2 - 88	410 U	400 U	370 U	390 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	41 U	40 U	37 U	39 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	41 U	40 U	37 U	39 U	41 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	41 U	40 U	60	39 U	41 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	410 U	400 U	370 U	390 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	41 U	40 U	37 U	39 U	41 U
Chrysene	ug/kg	33	43 - 1100	410 U	400 U	370 U	390 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	41 U	40 U	37 U	39 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	410 U	400 U	370 U	390 U	410 U
Fluorene	ug/kg	2	7.4 - 29	410 U	400 U	370 U	390 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	41 U	40 U	37 U	39 U	41 U
Naphthalene	ug/kg	0	NA	410 U	400 U	370 U	390 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	410 U	400 U	370 U	390 U	410 U
Pyrene	ug/kg	53	32 - 1300	410 U	400 U	46 J	390 U	410 U

No. of detects out of 256 samples.

NA = not applicable.

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO16	REF05-SO17	REF05-SO18	REF05-SO19	REF05-SO20
			Sample Name	REF05-SO16-00-06	REF05-SO17-00-06	REF05-SO18-00-06	REF05-SO19-00-06	REF05-SO20-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	380 U	380 U	400 U	410 U	440 U
2-methylnaphthalene	ug/kg	0	NA	7.7 U	380 U	400 U	410 U	440 U
Acenaphthene	ug/kg	3	6.4 - 9.5	9.5	380 U	400 U	410 U	440 U
Acenaphthylene	ug/kg	10	5.6 - 340	7.7 U	380 U	400 U	410 U	440 U
Anthracene	ug/kg	13	7.2 - 88	7.7 U	380 U	400 U	410 U	440 U
Benzo[a]anthracene	ug/kg	43	12 - 820	180	38 U	40 U	41 U	44 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	300	38 U	40 U	41 U	45
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	290	38 U	40 U	41 U	63
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	180	380 U	400 U	410 U	37 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	260	38 U	40 U	41 U	25 J
Chrysene	ug/kg	33	43 - 1100	220	380 U	400 U	410 U	440 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	68	38 U	40 U	41 U	44 U
Fluoranthene	ug/kg	40	28 - 1200	140	380 U	400 U	410 U	63 J
Fluorene	ug/kg	2	7.4 - 29	7.7 U	380 U	400 U	410 U	440 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	170	38 U	40 U	41 U	37 J
Naphthalene	ug/kg	0	NA	7.7 U	380 U	400 U	410 U	440 U
Phenanthrene	ug/kg	21	5 - 1300	26	380 U	400 U	410 U	440 U
Pyrene	ug/kg	53	32 - 1300	140	380 U	400 U	410 U	68 J

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO20	REF06-SO01	REF06-SO02	REF06-SO03	REF06-SO04
			Sample Name	REF05-Dup10-11/8/13	REF06-SO01-00-06	REF06-SO02-00-06	REF06-SO03-00-06	REF06-SO04-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	410 U	390 U	390 U	410 U	490 U
2-methylnaphthalene	ug/kg	0	NA	6.3 U	390 U	390 U	410 U	490 U
Acenaphthene	ug/kg	3	6.4 - 9.5	6.4	390 U	390 U	410 U	490 U
Acenaphthylene	ug/kg	10	5.6 - 340	6.3 U	390 U	390 U	410 U	490 U
Anthracene	ug/kg	13	7.2 - 88	12	390 U	390 U	410 U	490 U
Benzo[a]anthracene	ug/kg	43	12 - 820	110	39 U	39 U	41 U	49 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	110	39 U	39 U	41 U	49 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	130	39 U	39 U	41 U	49 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	91	390 U	390 U	410 U	490 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	100	39 U	39 U	41 U	49 U
Chrysene	ug/kg	33	43 - 1100	130	390 U	390 U	410 U	490 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	26	39 U	39 U	41 U	49 U
Fluoranthene	ug/kg	40	28 - 1200	210	390 U	390 U	410 U	490 U
Fluorene	ug/kg	2	7.4 - 29	6.3 U	390 U	390 U	410 U	490 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	74	39 U	39 U	41 U	49 U
Naphthalene	ug/kg	0	NA	6.3 U	390 U	390 U	410 U	490 U
Phenanthrene	ug/kg	21	5 - 1300	99	390 U	390 U	410 U	490 U
Pyrene	ug/kg	53	32 - 1300	150	390 U	390 U	410 U	490 U

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF06-SO05	REF06-SO06	REF06-SO07	REF06-SO08	REF06-SO09
			Sample Name	REF06-SO05-00-06	REF06-SO06-00-06	REF06-SO07-00-06	REF06-SO08-00-06	REF06-SO09-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	380 U	430 U	400 U	380 U	390 U
2-methylnaphthalene	ug/kg	0	NA	380 U	430 U	400 U	380 U	390 U
Acenaphthene	ug/kg	3	6.4 - 9.5	380 U	430 U	400 U	380 U	390 U
Acenaphthylene	ug/kg	10	5.6 - 340	380 U	430 U	400 U	380 U	390 U
Anthracene	ug/kg	13	7.2 - 88	380 U	430 U	400 U	380 U	390 U
Benzo[a]anthracene	ug/kg	43	12 - 820	38 U	43 U	40 U	38 U	39 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38 U	43 U	40 U	38 U	39 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	38 U	43 U	40 U	38 U	39 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	380 U	430 U	400 U	380 U	390 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	38 U	43 U	40 U	38 U	39 U
Chrysene	ug/kg	33	43 - 1100	380 U	430 U	400 U	380 U	390 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	38 U	43 U	40 U	38 U	39 U
Fluoranthene	ug/kg	40	28 - 1200	380 U	430 U	400 U	380 U	390 U
Fluorene	ug/kg	2	7.4 - 29	380 U	430 U	400 U	380 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	38 U	43 U	40 U	38 U	39 U
Naphthalene	ug/kg	0	NA	380 U	430 U	400 U	380 U	390 U
Phenanthrene	ug/kg	21	5 - 1300	380 U	430 U	400 U	380 U	390 U
Pyrene	ug/kg	53	32 - 1300	380 U	430 U	400 U	380 U	390 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF06-SO10	REF06-SO11	REF06-SO12	REF06-SO13	REF06-SO14
			Sample Name	REF06-SO10-00-06	REF06-SO11-00-06	REF06-SO12-00-06	REF06-SO13-00-06	REF06-SO14-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	390 U	400 U	390 U	380 U	390 U
2-methylnaphthalene	ug/kg	0	NA	390 U	400 U	390 U	380 U	390 U
Acenaphthene	ug/kg	3	6.4 - 9.5	390 U	400 U	390 U	380 U	390 U
Acenaphthylene	ug/kg	10	5.6 - 340	390 U	400 U	390 U	380 U	390 U
Anthracene	ug/kg	13	7.2 - 88	390 U	400 U	390 U	380 U	390 U
Benzo[a]anthracene	ug/kg	43	12 - 820	39 U	40 U	39 U	38 U	39 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	39 U	40 U	39 U	38 U	39 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	39 U	40 U	39 U	38 U	39 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	390 U	400 U	390 U	380 U	390 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	39 U	40 U	39 U	38 U	39 U
Chrysene	ug/kg	33	43 - 1100	390 U	400 U	390 U	380 U	390 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	39 U	40 U	39 U	38 U	39 U
Fluoranthene	ug/kg	40	28 - 1200	390 U	400 U	390 U	380 U	390 U
Fluorene	ug/kg	2	7.4 - 29	390 U	400 U	390 U	380 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	39 U	40 U	39 U	38 U	39 U
Naphthalene	ug/kg	0	NA	390 U	400 U	390 U	380 U	390 U
Phenanthrene	ug/kg	21	5 - 1300	390 U	400 U	390 U	380 U	390 U
Pyrene	ug/kg	53	32 - 1300	390 U	400 U	390 U	380 U	390 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF06-SO15	REF06-SO16	REF06-SO17	REF06-SO18	REF06-SO19
			Sample Name	REF06-SO15-00-06	REF06-SO16-00-06	REF06-SO17-00-06	REF06-SO18-00-06	REF06-SO19-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	380 U	400 U	400 U	400 U	380 U
2-methylnaphthalene	ug/kg	0	NA	380 U	400 U	400 U	400 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	380 U	400 U	400 U	400 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	380 U	400 U	400 U	400 U	380 U
Anthracene	ug/kg	13	7.2 - 88	380 U	400 U	400 U	400 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	38 U	40 U	40 U	40 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38 U	40 U	40 U	40 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	38 U	40 U	40 U	40 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	380 U	400 U	400 U	400 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	38 U	40 U	40 U	40 U	38 U
Chrysene	ug/kg	33	43 - 1100	380 U	400 U	400 U	400 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	38 U	40 U	40 U	40 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	380 U	400 U	400 U	400 U	380 U
Fluorene	ug/kg	2	7.4 - 29	380 U	400 U	400 U	400 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	38 U	40 U	40 U	40 U	38 U
Naphthalene	ug/kg	0	NA	380 U	400 U	400 U	400 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	380 U	400 U	400 U	400 U	380 U
Pyrene	ug/kg	53	32 - 1300	380 U	400 U	400 U	400 U	380 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Urban	Urban
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF06-SO20	REF06-SO20	REF11-SO01	REF11-SO02
			Sample Name	REF06-SO20-00-06	REF06-DUP09-11/8/13	REF11-SO01-00-06	REF11-SO02-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	380 U	380 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	380 U	380 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	380 U	380 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	380 U	380 U	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	380 U	380 U	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	38 U	38 U	34 J	85
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38 U	38 U	32 J	78
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	38 U	38 U	51	130
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	380 U	380 U	27 J	58 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	38 U	38 U	36 U	64
Chrysene	ug/kg	33	43 - 1100	380 U	380 U	360 U	91 J
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	38 U	38 U	8.1 J	15 J
Fluoranthene	ug/kg	40	28 - 1200	380 U	380 U	56 J	140 J
Fluorene	ug/kg	2	7.4 - 29	380 U	380 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	38 U	38 U	23 J	57
Naphthalene	ug/kg	0	NA	380 U	380 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	380 U	380 U	360 U	370 U
Pyrene	ug/kg	53	32 - 1300	380 U	380 U	47 J	120 J

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

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J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF11-SO02	REF11-SO03	REF11-SO04	REF11-SO05	REF11-SO06
			Sample Name	REF11-Dup15-11/13/13	REF11-SO03-00-06	REF11-SO04-00-06	REF11-SO05-00-06	REF11-SO06-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	360 U	360 U	370 U	370 U
2-methylnaphthalene	ug/kg	0	NA	3.7 U	5.8 U	360 U	370 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	3.7 U	8.9	360 U	370 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	6.8	7.6	360 U	370 U	370 U
Anthracene	ug/kg	13	7.2 - 88	7.5	23	360 U	370 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	78	130	36 U	37 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	88	110	12 J	7.3 J	20 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	89	110	25 J	16 J	42
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	58	59	360 U	370 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	86	110	36 U	37 U	37 U
Chrysene	ug/kg	33	43 - 1100	84	130	360 U	370 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	22	25	36 U	37 U	4.8 J
Fluoranthene	ug/kg	40	28 - 1200	130	220	360 U	370 U	370 U
Fluorene	ug/kg	2	7.4 - 29	3.7 U	7.4	360 U	370 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	57	58	8.2 J	37 U	16 J
Naphthalene	ug/kg	0	NA	3.7 U	5.8 U	360 U	370 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	35	120	360 U	370 U	370 U
Pyrene	ug/kg	53	32 - 1300	110	190	360 U	370 U	370 U

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF11-SO07	REF11-SO08	REF11-SO09	REF11-SO10	REF11-SO11
			Sample Name	REF11-SO07-00-06	REF11-SO08-00-06	REF11-SO09-00-06	REF11-SO10-00-06	REF11-SO11-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	370 U	370 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	370 U	370 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	360 U	370 U	370 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	42	28 J	37 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38	25 J	17 J	13 J	33 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	64	40	33 J	25 J	67
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	370 U	370 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	37 U	37 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	45 J	370 U	370 U	360 U	43 J
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	8.3 J	6 J	37 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	65 J	370 U	370 U	360 U	62 J
Fluorene	ug/kg	2	7.4 - 29	360 U	370 U	370 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	25 J	18 J	11 J	8.5 J	22 J
Naphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	370 U	370 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	54 J	37 J	370 U	360 U	54 J

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF11-SO12	REF11-SO13	REF11-SO14	REF11-SO15	REF11-SO15
			Sample Name	REF11-SO12-00-06	REF11-SO13-00-06	REF11-SO14-00-06	REF11-SO15-00-06	REF11-Dup16-11/13/13
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	360 U	360 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	360 U	360 U	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	370 U	360 U	360 U	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	15 J	21 J	36 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	25 J	12 J	20 J	36 U*	37 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	51	24 J	32 J	36 U	53
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	360 U	360 U	360 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	36 U	12 J	36 U	37 U
Chrysene	ug/kg	33	43 - 1100	370 U	360 U	360 U	360 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	5.5 J	36 U	36 U	36 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	360 U	360 U	53 J	51 J
Fluorene	ug/kg	2	7.4 - 29	370 U	360 U	360 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	18 J	7.6 J	13 J	36 U	37 U
Naphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	360 U	360 U	360 U	370 U
Pyrene	ug/kg	53	32 - 1300	37 J	360 U	360 U	54 J	58 J

No. of detects out of 256 samples.

NA = not applicable.

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF11-SO16	REF11-SO17	REF11-SO18	REF11-SO19	REF11-SO20
			Sample Name	REF11-SO16-00-06	REF11-SO17-00-06	REF11-SO18-00-06	REF11-SO19-00-06	REF11-SO20-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	370 U	360 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	4.9 U	360 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	4.9 U	360 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	10	360 U	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	360 U	7.2	360 U	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	47	71	56	36 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	53 *	81	73 *	36 U*	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	97	88	110	36 U	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	57	65 J	360 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	89	36 U	36 U	37 U
Chrysene	ug/kg	33	43 - 1100	58 J	91	77 J	360 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	19	36 U	36 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	80 J	150	110 J	56 J	370 U
Fluorene	ug/kg	2	7.4 - 29	360 U	4.9 U	360 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	54	63	36 U	37 U
Naphthalene	ug/kg	0	NA	360 U	4.9 U	360 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	52	360 U	360 U	370 U
Pyrene	ug/kg	53	32 - 1300	99 J	110	130 J	60 J	370 U

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF11-SO20	REF12-SO01	REF12-SO01	REF12-SO02
			Sample Name	REF11-Dup14-11/13/13	REF12-SO01-00-06	REF12-Dup12-11/13/13	REF12-SO02-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	370 U	370 U	380 U	370 U
2-methylnaphthalene	ug/kg	0	NA	370 U	370 U	380 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	370 U	380 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	370 U	380 U	370 U
Anthracene	ug/kg	13	7.2 - 88	370 U	370 U	380 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	37 U	38 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U*	37 U	38 U	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	37 U	38 U	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	370 U	380 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	37 U	38 U	37 U
Chrysene	ug/kg	33	43 - 1100	370 U	370 U	380 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	37 U	38 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	370 U	380 U	370 U
Fluorene	ug/kg	2	7.4 - 29	370 U	370 U	380 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	37 U	38 U	37 U
Naphthalene	ug/kg	0	NA	370 U	370 U	380 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	370 U	380 U	370 U
Pyrene	ug/kg	53	32 - 1300	48 J	370 U	380 U	370 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF12-SO03	REF12-SO04	REF12-SO05	REF12-SO06	REF12-SO07
			Sample Name	REF12-SO03-00-06	REF12-SO04-00-06	REF12-SO05-00-06	REF12-SO06-00-06	REF12-SO07-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	370 U	370 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	370 U	370 U	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	360 U	370 U	370 U	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	37 U	37 U	36 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	36 U	37 U	37 U	36 U	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	36 U	37 U	37 U	36 U	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	370 U	370 U	360 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	37 U	37 U	36 U	37 U
Chrysene	ug/kg	33	43 - 1100	360 U	370 U	370 U	360 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	37 U	37 U	36 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	360 U	370 U	370 U	360 U	370 U
Fluorene	ug/kg	2	7.4 - 29	360 U	370 U	370 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	37 U	37 U	36 U	37 U
Naphthalene	ug/kg	0	NA	360 U	370 U	370 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	370 U	370 U	360 U	370 U
Pyrene	ug/kg	53	32 - 1300	360 U	370 U	370 U	360 U	370 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF12-SO08	REF12-SO09	REF12-SO10	REF12-SO11	REF12-SO12
			Sample Name	REF12-SO08-00-06	REF12-SO09-00-06	REF12-SO10-00-06	REF12-SO11-00-06	REF12-SO12-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	380 U	370 U	370 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	380 U	370 U	370 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	380 U	370 U	370 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	380 U	370 U	370 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	380 U	370 U	370 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	38 U	37 U	37 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38 U	37 U	37 U	36 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	38 U	37 U	37 U	36 U	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	380 U	370 U	370 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	38 U	37 U	37 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	380 U	370 U	370 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	38 U	37 U	37 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	380 U	370 U	370 U	360 U	360 U
Fluorene	ug/kg	2	7.4 - 29	380 U	370 U	370 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	38 U	37 U	37 U	36 U	36 U
Naphthalene	ug/kg	0	NA	380 U	370 U	370 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	380 U	370 U	370 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	380 U	370 U	370 U	360 U	360 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF12-SO13	REF12-SO14	REF12-SO15	REF12-SO15	REF12-SO16
			Sample Name	REF12-SO13-00-06	REF12-SO14-00-06	REF12-SO15-00-06	REF12-Dup13-11/13/13	REF12-SO16-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	360 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	360 U	360 U	360 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	360 U	360 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	360 U	360 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	360 U	360 U	360 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	36 U	36 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	36 U	36 U	36 U	36 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	36 U	36 U	36 U	36 U	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	360 U	360 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	36 U	36 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	360 U	360 U	360 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	36 U	36 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	360 U	360 U	360 U	360 U	360 U
Fluorene	ug/kg	2	7.4 - 29	360 U	360 U	360 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	36 U	36 U	36 U	36 U
Naphthalene	ug/kg	0	NA	360 U	360 U	360 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	360 U	360 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	360 U	360 U	360 U	360 U	360 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF12-SO17	REF12-SO18	REF12-SO19	REF12-SO20	REF12-SO20
			Sample Name	REF12-SO17-00-06	REF12-SO18-00-06	REF12-SO19-00-06	REF12-SO20-00-06	REF12-Dup11-11/13/13
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	360 U	360 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	360 U	360 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	370 U	360 U	360 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	36 U	36 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	36 U	36 U	36 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	36 U	36 U	36 U	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	360 U	360 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	36 U	36 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	370 U	360 U	360 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	36 U	36 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	360 U	360 U	360 U	360 U
Fluorene	ug/kg	2	7.4 - 29	370 U	360 U	360 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	36 U	36 U	36 U	36 U
Naphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	360 U	360 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	370 U	360 U	360 U	360 U	360 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park
			Sample Location	REF15-SO01	REF15-SO02	REF15-SO03	REF15-SO04	REF15-SO05
			Sample Name	REF15-SO01-00-06	REF15-SO02-00-06	REF15-SO03-00-06	REF15-SO04-00-06	REF15-SO05-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	400 U	390 U	380 U	390 U	380 U
2-methylnaphthalene	ug/kg	0	NA	400 U	390 U	380 U	390 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	400 U	390 U	380 U	390 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	400 U	390 U	380 U	390 U	380 U
Anthracene	ug/kg	13	7.2 - 88	400 U	390 U	380 U	390 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	40 U	39 U	38 U	39 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	40 U	39 U	38 U	39 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	40 U	39 U	38 U	39 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	400 U	390 U	380 U	390 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	40 U	39 U	38 U	39 U	38 U
Chrysene	ug/kg	33	43 - 1100	400 U	390 U	380 U	390 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	40 U	39 U	38 U	39 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	400 U	390 U	380 U	390 U	380 U
Fluorene	ug/kg	2	7.4 - 29	400 U	390 U	380 U	390 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	40 U	39 U	38 U	39 U	38 U
Naphthalene	ug/kg	0	NA	400 U	390 U	380 U	390 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	400 U	390 U	380 U	390 U	380 U
Pyrene	ug/kg	53	32 - 1300	400 U	390 U	380 U	390 U	380 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park
			Sample Location	REF15-SO06	REF15-SO07	REF15-SO08	REF15-SO09	REF15-SO10
			Sample Name	REF15-SO06-00-06	REF15-SO07-00-06	REF15-SO08-00-06	REF15-SO09-00-06	REF15-SO10-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	390 U	390 U	380 U	380 U	380 U
2-methylnaphthalene	ug/kg	0	NA	390 U	390 U	380 U	380 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	390 U	390 U	380 U	380 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	390 U	390 U	380 U	380 U	380 U
Anthracene	ug/kg	13	7.2 - 88	390 U	390 U	380 U	380 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	39 U	39 U	38 U	38 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	39 U	39 U	38 U	38 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	39 U	39 U	38 U	38 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	390 U	390 U	380 U	380 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	39 U	39 U	38 U	38 U	38 U
Chrysene	ug/kg	33	43 - 1100	390 U	390 U	380 U	380 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	39 U	39 U	38 U	38 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	390 U	390 U	380 U	380 U	380 U
Fluorene	ug/kg	2	7.4 - 29	390 U	390 U	380 U	380 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	39 U	39 U	38 U	38 U	38 U
Naphthalene	ug/kg	0	NA	390 U	390 U	380 U	380 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	390 U	390 U	380 U	380 U	380 U
Pyrene	ug/kg	53	32 - 1300	390 U	390 U	380 U	380 U	380 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park
			Sample Location	REF15-SO11	REF15-SO12	REF15-SO13	REF15-SO14	REF15-SO15
			Sample Name	REF15-SO11-00-06	REF15-SO12-00-06	REF15-SO13-00-06	REF15-SO14-00-06	REF15-SO15-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	400 U	380 U	370 U	390 U	410 U
2-methylnaphthalene	ug/kg	0	NA	400 U	380 U	370 U	390 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	400 U	380 U	370 U	390 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	400 U	380 U	370 U	390 U	410 U
Anthracene	ug/kg	13	7.2 - 88	400 U	380 U	370 U	390 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	40 U	38 U	37 U	39 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	40 U	38 U	37 U	39 U	41 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	40 U	38 U	37 U	39 U	41 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	400 U	380 U	370 U	390 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	40 U	38 U	37 U	39 U	41 U
Chrysene	ug/kg	33	43 - 1100	400 U	380 U	370 U	390 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	40 U	38 U	37 U	39 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	400 U	380 U	370 U	390 U	410 U
Fluorene	ug/kg	2	7.4 - 29	400 U	380 U	370 U	390 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	40 U	38 U	37 U	39 U	41 U
Naphthalene	ug/kg	0	NA	400 U	380 U	370 U	390 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	400 U	380 U	370 U	390 U	410 U
Pyrene	ug/kg	53	32 - 1300	400 U	380 U	370 U	390 U	410 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park
			Sample Location	REF15-SO16	REF15-SO17	REF15-SO18	REF15-SO19	REF15-SO20
			Sample Name	REF15-SO16-00-06	REF15-SO17-00-06	REF15-SO18-00-06	REF15-SO19-00-06	REF15-SO20-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	390 U	370 U	390 U	420 U	380 U
2-methylnaphthalene	ug/kg	0	NA	390 U	370 U	390 U	420 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	390 U	370 U	390 U	420 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	390 U	370 U	390 U	420 U	380 U
Anthracene	ug/kg	13	7.2 - 88	390 U	370 U	390 U	420 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	39 U	37 U	39 U	42 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	39 U	37 U	39 U	42 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	39 U	37 U	39 U	42 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	390 U	370 U	390 U	420 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	39 U	37 U	39 U	42 U	38 U
Chrysene	ug/kg	33	43 - 1100	390 U	370 U	390 U	420 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	39 U	37 U	39 U	42 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	390 U	370 U	390 U	420 U	380 U
Fluorene	ug/kg	2	7.4 - 29	390 U	370 U	390 U	420 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	39 U	37 U	39 U	42 U	38 U
Naphthalene	ug/kg	0	NA	390 U	370 U	390 U	420 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	390 U	370 U	390 U	420 U	380 U
Pyrene	ug/kg	53	32 - 1300	390 U	370 U	390 U	420 U	380 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF15-SO20	REF16-SO01	REF16-SO02	REF16-SO03	REF16-SO04
			Sample Name	REF15-DUP04-11/5/13	REF16-SO01-00-06	REF16-SO02-00-06	REF16-SO03-00-06	REF16-SO04-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	380 U	420 U	430 U	420 U	410 U
2-methylnaphthalene	ug/kg	0	NA	380 U	420 U	430 U	420 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	380 U	420 U	430 U	420 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	380 U	420 U	430 U	420 U	410 U
Anthracene	ug/kg	13	7.2 - 88	380 U	420 U	430 U	420 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	38 U	12 J	20 J	42 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	38 U	42 U*	11 J*	42 U*	41 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	38 U	42 U*	16 J*	42 U*	41 U*
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	380 U	420 U	430 U	420 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	38 U	42 U	43 U	42 U	41 U
Chrysene	ug/kg	33	43 - 1100	380 U	420 U	430 U	420 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	38 U	42 U	43 U	42 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	380 U	420 U	430 U	420 U	410 U
Fluorene	ug/kg	2	7.4 - 29	380 U	420 U	430 U	420 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	38 U	42 U	43 U	42 U	41 U
Naphthalene	ug/kg	0	NA	380 U	420 U	430 U	420 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	380 U	420 U	430 U	420 U	410 U
Pyrene	ug/kg	53	32 - 1300	380 U	420 U	430 U	420 U	410 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF16-SO05	REF16-SO06	REF16-SO07	REF16-SO08	REF16-SO09
			Sample Name	REF16-SO05-00-06	REF16-SO06-00-06	REF16-SO07-00-06	REF16-SO08-00-06	REF16-SO09-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	450 U	410 U	420 U	430 U	410 U
2-methylnaphthalene	ug/kg	0	NA	450 U	410 U	420 U	430 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	450 U	410 U	420 U	430 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	450 U	410 U	420 U	430 U	410 U
Anthracene	ug/kg	13	7.2 - 88	450 U	410 U	420 U	430 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	45 U	41 U	42 U	43 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	45 U*	41 U*	42 U*	43 U*	41 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	45 U*	41 U*	42 U*	43 U*	41 U*
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	450 U	410 U	420 U	430 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	45 U	41 U	42 U	43 U	41 U
Chrysene	ug/kg	33	43 - 1100	450 U	410 U	420 U	430 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	45 U	41 U	42 U	43 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	450 U	410 U	420 U	430 U	410 U
Fluorene	ug/kg	2	7.4 - 29	450 U	410 U	420 U	430 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	45 U	41 U	42 U	43 U	41 U
Naphthalene	ug/kg	0	NA	450 U	410 U	420 U	430 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	450 U	410 U	420 U	430 U	410 U
Pyrene	ug/kg	53	32 - 1300	450 U	410 U	420 U	430 U	410 U

No. of detects out of 256 samples.

NA = not applicable.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF16-SO10	REF16-SO11	REF16-SO12	REF16-SO13	REF16-SO14
			Sample Name	REF16-SO10-00-06	REF16-SO11-00-06	REF16-SO12-00-06	REF16-SO13-00-06	REF16-SO14-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	420 U	410 U	410 U	440 U	410 U
2-methylnaphthalene	ug/kg	0	NA	420 U	410 U	410 U	440 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	420 U	410 U	410 U	440 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	420 U	410 U	410 U	440 U	410 U
Anthracene	ug/kg	13	7.2 - 88	420 U	410 U	410 U	440 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	42 U	41 U	41 U	44 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	42 U*	41 U*	41 U*	44 U*	41 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	42 U*	41 U*	41 U*	44 U*	41 U*
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	420 U	410 U	410 U	440 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	42 U	41 U	41 U	44 U	41 U
Chrysene	ug/kg	33	43 - 1100	420 U	410 U	410 U	440 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	42 U	41 U	41 U	44 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	420 U	410 U	410 U	440 U	410 U
Fluorene	ug/kg	2	7.4 - 29	420 U	410 U	410 U	440 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	42 U	41 U	41 U	44 U	41 U
Naphthalene	ug/kg	0	NA	420 U	410 U	410 U	440 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	420 U	410 U	410 U	440 U	410 U
Pyrene	ug/kg	53	32 - 1300	420 U	410 U	410 U	440 U	410 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF16-SO15	REF16-SO16	REF16-SO17	REF16-SO18	REF16-SO19
			Sample Name	REF16-SO15-00-06	REF16-SO16-00-06	REF16-SO17-00-06	REF16-SO18-00-06	REF16-SO19-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	430 U	430 U	450 U	430 U	420 U
2-methylnaphthalene	ug/kg	0	NA	430 U	430 U	450 U	430 U	420 U
Acenaphthene	ug/kg	3	6.4 - 9.5	430 U	430 U	450 U	430 U	420 U
Acenaphthylene	ug/kg	10	5.6 - 340	430 U	430 U	450 U	430 U	420 U
Anthracene	ug/kg	13	7.2 - 88	430 U	430 U	450 U	430 U	420 U
Benzo[a]anthracene	ug/kg	43	12 - 820	43 U	43 U	45 U	43 U	42 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	43 U	43 U	45 U	43 U	42 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	43 U	43 U	45 U	43 U	42 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	430 U	430 U	450 U	430 U	420 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	43 U	43 U	45 U	43 U	42 U
Chrysene	ug/kg	33	43 - 1100	430 U	430 U	450 U	430 U	420 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	43 U	43 U	45 U	43 U	42 U
Fluoranthene	ug/kg	40	28 - 1200	430 U	430 U	450 U	430 U	420 U
Fluorene	ug/kg	2	7.4 - 29	430 U	430 U	450 U	430 U	420 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	43 U	43 U	45 U	43 U	42 U
Naphthalene	ug/kg	0	NA	430 U	430 U	450 U	430 U	420 U
Phenanthrene	ug/kg	21	5 - 1300	430 U	430 U	450 U	430 U	420 U
Pyrene	ug/kg	53	32 - 1300	430 U	430 U	450 U	430 U	420 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Urban	Urban	Urban
			Reference Area	Brandywine Creek State Park	Brandywine Creek State Park	Banning Park	Banning Park	Banning Park
			Sample Location	REF16-SO20	REF16-SO20	REF09-SO01	REF09-SO02	REF09-SO03
			Sample Name	REF16-SO20-00-06	REF16-DUP-02-11/04/13	REF09-SO01-00-06	REF09-SO02-00-06	REF09-SO03-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	400 U	400 U	390 U	400 U	420 U
2-methylnaphthalene	ug/kg	0	NA	400 U	400 U	390 U	400 U	420 U
Acenaphthene	ug/kg	3	6.4 - 9.5	400 U	400 U	390 U	400 U	420 U
Acenaphthylene	ug/kg	10	5.6 - 340	400 U	400 U	390 U	400 U	420 U
Anthracene	ug/kg	13	7.2 - 88	400 U	400 U	390 U	400 U	420 U
Benzo[a]anthracene	ug/kg	43	12 - 820	40 U	40 U	39 U	40 U	42 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	40 U	40 U	13 J	40 U	42 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	40 U	40 U	39 U	14 J	42 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	400 U	400 U	390 U	400 U	420 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	40 U	40 U	39 U	40 U	42 U
Chrysene	ug/kg	33	43 - 1100	400 U	400 U	390 U	400 U	420 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	40 U	40 U	39 U	40 U	42 U
Fluoranthene	ug/kg	40	28 - 1200	400 U	400 U	390 U	400 U	420 U
Fluorene	ug/kg	2	7.4 - 29	400 U	400 U	390 U	400 U	420 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	40 U	40 U	9.9 J	40 U	42 U
Naphthalene	ug/kg	0	NA	400 U	400 U	390 U	400 U	420 U
Phenanthrene	ug/kg	21	5 - 1300	400 U	400 U	390 U	400 U	420 U
Pyrene	ug/kg	53	32 - 1300	400 U	400 U	390 U	400 U	420 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Banning Park	Banning Park	Banning Park
			Sample Location	REF09-SO04	REF09-SO05	REF09-SO06	REF09-SO07	REF09-SO08
			Sample Name	REF09-SO04-00-06	REF09-SO05-00-06	REF09-SO06-00-06	REF09-SO07-00-06	REF09-SO08-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	390 U	420 U	400 U	420 U	410 U
2-methylnaphthalene	ug/kg	0	NA	390 U	420 U	400 U	420 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	390 U	420 U	400 U	420 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	390 U	420 U	400 U	420 U	410 U
Anthracene	ug/kg	13	7.2 - 88	390 U	420 U	400 U	420 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	39 U	42 U	40 U	42 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	39 U	42 U	40 U	5.1 J	41 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	20 J	14 J	6.5 J	10 J	41 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	390 U	420 U	400 U	420 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	39 U	42 U	40 U	42 U	41 U
Chrysene	ug/kg	33	43 - 1100	390 U	420 U	400 U	420 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	39 U	42 U	40 U	42 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	390 U	420 U	400 U	420 U	410 U
Fluorene	ug/kg	2	7.4 - 29	390 U	420 U	400 U	420 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	39 U	42 U	40 U	42 U	41 U
Naphthalene	ug/kg	0	NA	390 U	420 U	400 U	420 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	390 U	420 U	400 U	420 U	410 U
Pyrene	ug/kg	53	32 - 1300	390 U	420 U	400 U	420 U	410 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Banning Park	Banning Park	Banning Park
			Sample Location	REF09-SO09	REF09-SO10	REF09-SO11	REF09-SO12	REF09-SO13
			Sample Name	REF09-SO09-00-06	REF09-SO10-00-06	REF09-SO11-00-06	REF09-SO12-00-06	REF09-SO13-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	410 U	410 U	420 U	410 U	410 U
2-methylnaphthalene	ug/kg	0	NA	410 U	410 U	420 U	410 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	410 U	410 U	420 U	410 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	410 U	410 U	420 U	410 U	410 U
Anthracene	ug/kg	13	7.2 - 88	410 U	410 U	420 U	410 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	41 U	41 U	42 U	41 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	41 U	41 U	42 U	41 U	41 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	9.7 J	17 J	42 U	6.4 J	41 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	410 U	410 U	420 U	410 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	41 U	41 U	42 U	41 U	41 U
Chrysene	ug/kg	33	43 - 1100	410 U	410 U	420 U	410 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	41 U	41 U	42 U	41 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	410 U	410 U	420 U	410 U	410 U
Fluorene	ug/kg	2	7.4 - 29	410 U	410 U	420 U	410 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	41 U	41 U	42 U	41 U	41 U
Naphthalene	ug/kg	0	NA	410 U	410 U	420 U	410 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	410 U	410 U	420 U	410 U	410 U
Pyrene	ug/kg	53	32 - 1300	410 U	410 U	420 U	410 U	410 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Banning Park	Banning Park	Banning Park
			Sample Location	REF09-SO14	REF09-SO15	REF09-SO16	REF09-SO17	REF09-SO18
			Sample Name	REF09-SO14-00-06	REF09-SO15-00-06	REF09-SO16-00-06	REF09-SO17-00-06	REF09-SO18-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	400 U	410 U	420 U	380 U	410 U
2-methylnaphthalene	ug/kg	0	NA	400 U	410 U	420 U	380 U	410 U
Acenaphthene	ug/kg	3	6.4 - 9.5	400 U	410 U	420 U	380 U	410 U
Acenaphthylene	ug/kg	10	5.6 - 340	400 U	410 U	420 U	380 U	410 U
Anthracene	ug/kg	13	7.2 - 88	400 U	410 U	420 U	380 U	410 U
Benzo[a]anthracene	ug/kg	43	12 - 820	40 U	41 U	42 U	38 U	41 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	40 U	41 U*	42 U*	38 U*	41 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	40 U	17 J	42 U	38 U	41 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	400 U	410 U	420 U	380 U	410 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	40 U	10 J	42 U	38 U	41 U
Chrysene	ug/kg	33	43 - 1100	400 U	410 U	420 U	380 U	410 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	40 U	41 U	42 U	38 U	41 U
Fluoranthene	ug/kg	40	28 - 1200	400 U	410 U	420 U	380 U	410 U
Fluorene	ug/kg	2	7.4 - 29	400 U	410 U	420 U	380 U	410 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	40 U	41 U	42 U	38 U	41 U
Naphthalene	ug/kg	0	NA	400 U	410 U	420 U	380 U	410 U
Phenanthrene	ug/kg	21	5 - 1300	400 U	410 U	420 U	380 U	410 U
Pyrene	ug/kg	53	32 - 1300	400 U	410 U	420 U	380 U	410 U

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Banning Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF09-SO19	REF09-SO20	REF09-SO20	REF10-SO01	REF10-SO02
			Sample Name	REF09-SO19-00-06	REF09-SO20-00-06	REF09-DUP03-11/05/13	REF10-SO01-00-06	REF10-SO02-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	400 U	420 U	410 U	450 U	440 U
2-methylnaphthalene	ug/kg	0	NA	400 U	420 U	410 U	450 U	440 U
Acenaphthene	ug/kg	3	6.4 - 9.5	400 U	420 U	410 U	450 U	440 U
Acenaphthylene	ug/kg	10	5.6 - 340	400 U	420 U	410 U	450 U	440 U
Anthracene	ug/kg	13	7.2 - 88	400 U	420 U	410 U	450 U	440 U
Benzo[a]anthracene	ug/kg	43	12 - 820	40 U	16 J	41 U	45 U	44 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	40 U*	42 U*	41 U*	14 J	44 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	40 U	9.2 J	11 J	23 J	44 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	400 U	420 U	410 U	450 U	440 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	40 U	42 U	41 U	45 U	44 U
Chrysene	ug/kg	33	43 - 1100	400 U	420 U	410 U	450 U	440 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	40 U	42 U	41 U	45 U	44 U
Fluoranthene	ug/kg	40	28 - 1200	400 U	420 U	410 U	450 U	440 U
Fluorene	ug/kg	2	7.4 - 29	400 U	420 U	410 U	450 U	440 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	40 U	42 U	41 U	12 J	44 U
Naphthalene	ug/kg	0	NA	400 U	420 U	410 U	450 U	440 U
Phenanthrene	ug/kg	21	5 - 1300	400 U	420 U	410 U	450 U	440 U
Pyrene	ug/kg	53	32 - 1300	400 U	420 U	410 U	450 U	440 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF10-SO03	REF10-SO04	REF10-SO05	REF10-SO06	REF10-SO07
			Sample Name	REF10-SO03-00-06	REF10-SO04-00-06	REF10-SO05-00-06	REF10-SO06-00-06	REF10-SO07-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	430 U	420 U	440 U	430 U	430 U
2-methylnaphthalene	ug/kg	0	NA	430 U	420 U	440 U	430 U	430 U
Acenaphthene	ug/kg	3	6.4 - 9.5	430 U	420 U	440 U	430 U	430 U
Acenaphthylene	ug/kg	10	5.6 - 340	430 U	420 U	440 U	430 U	430 U
Anthracene	ug/kg	13	7.2 - 88	430 U	420 U	440 U	430 U	430 U
Benzo[a]anthracene	ug/kg	43	12 - 820	43 U	42 U	44 U	43 U	43 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	15 J	5.6 J	7.1 J	43 U	8.9 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	23 J	12 J	44 U	18 J	14 J
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	430 U	420 U	440 U	430 U	430 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	43 U	42 U	44 U	43 U	43 U
Chrysene	ug/kg	33	43 - 1100	430 U	420 U	440 U	430 U	430 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	43 U	42 U	44 U	43 U	43 U
Fluoranthene	ug/kg	40	28 - 1200	430 U	420 U	440 U	430 U	430 U
Fluorene	ug/kg	2	7.4 - 29	430 U	420 U	440 U	430 U	430 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	8.6 J	42 U	44 U	43 U	43 U
Naphthalene	ug/kg	0	NA	430 U	420 U	440 U	430 U	430 U
Phenanthrene	ug/kg	21	5 - 1300	430 U	420 U	440 U	430 U	430 U
Pyrene	ug/kg	53	32 - 1300	430 U	420 U	440 U	430 U	430 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF10-SO08	REF10-SO09	REF10-SO10	REF10-SO11	REF10-SO12
			Sample Name	REF10-SO08-00-06	REF10-SO09-00-06	REF10-SO10-00-06	REF10-SO11-00-06	REF10-SO12-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	430 U	420 U	420 U	440 U	450 U
2-methylnaphthalene	ug/kg	0	NA	430 U	420 U	420 U	440 U	450 U
Acenaphthene	ug/kg	3	6.4 - 9.5	430 U	420 U	420 U	440 U	450 U
Acenaphthylene	ug/kg	10	5.6 - 340	430 U	420 U	420 U	440 U	450 U
Anthracene	ug/kg	13	7.2 - 88	430 U	420 U	420 U	440 U	450 U
Benzo[a]anthracene	ug/kg	43	12 - 820	43 U	42 U	42 U	44 U	45 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	43 U	8.7 J	42 U	12 J	45 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	13 J	12 J	42 U	17 J	45 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	430 U	420 U	420 U	440 U	450 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	43 U	42 U	42 U	44 U	45 U
Chrysene	ug/kg	33	43 - 1100	430 U	420 U	420 U	440 U	450 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	43 U	42 U	42 U	44 U	45 U
Fluoranthene	ug/kg	40	28 - 1200	430 U	420 U	420 U	440 U	450 U
Fluorene	ug/kg	2	7.4 - 29	430 U	420 U	420 U	440 U	450 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	43 U	42 U	42 U	44 U	45 U
Naphthalene	ug/kg	0	NA	430 U	420 U	420 U	440 U	450 U
Phenanthrene	ug/kg	21	5 - 1300	430 U	420 U	420 U	440 U	450 U
Pyrene	ug/kg	53	32 - 1300	430 U	420 U	420 U	440 U	450 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF10-SO13	REF10-SO14	REF10-SO15	REF10-SO16	REF10-SO17
			Sample Name	REF10-SO13-00-06	REF10-SO14-00-06	REF10-SO15-00-06	REF10-SO16-00-06	REF10-SO17-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	460 U	420 U	470 U	440 U	430 U
2-methylnaphthalene	ug/kg	0	NA	460 U	420 U	470 U	440 U	430 U
Acenaphthene	ug/kg	3	6.4 - 9.5	460 U	420 U	470 U	440 U	430 U
Acenaphthylene	ug/kg	10	5.6 - 340	460 U	420 U	470 U	440 U	430 U
Anthracene	ug/kg	13	7.2 - 88	460 U	420 U	470 U	440 U	430 U
Benzo[a]anthracene	ug/kg	43	12 - 820	46 U	42 U	47 U	44 U	43 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	46 U	42 U	47 U	44 U	9.9 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	46 U	42 U	47 U	9.6 J	13 J
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	460 U	420 U	470 U	440 U	430 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	46 U	42 U	6.3 J	44 U	6.7 J
Chrysene	ug/kg	33	43 - 1100	460 U	420 U	470 U	440 U	430 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	46 U	42 U	47 U	44 U	43 U
Fluoranthene	ug/kg	40	28 - 1200	460 U	420 U	470 U	440 U	430 U
Fluorene	ug/kg	2	7.4 - 29	460 U	420 U	470 U	440 U	430 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	46 U	42 U	47 U	44 U	43 U
Naphthalene	ug/kg	0	NA	460 U	420 U	470 U	440 U	430 U
Phenanthrene	ug/kg	21	5 - 1300	460 U	420 U	470 U	440 U	430 U
Pyrene	ug/kg	53	32 - 1300	460 U	420 U	470 U	440 U	430 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Rural
			Reference Area	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park	Redden State Forest
			Sample Location	REF10-SO18	REF10-SO19	REF10-SO20	REF10-SO20	REF07-SO01
			Sample Name	REF10-SO18-00-06	REF10-SO19-00-06	REF10-SO20-00-06	REF10-DUP-01-11/04/13	REF07-SO01-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	450 U	460 U	440 U	440 U	360 U
2-methylnaphthalene	ug/kg	0	NA	450 U	460 U	440 U	440 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	450 U	460 U	440 U	440 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	450 U	460 U	440 U	440 U	360 U
Anthracene	ug/kg	13	7.2 - 88	450 U	460 U	440 U	440 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	45 U	13 J	44 U	44 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	19 J	46 U	44 U	44 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	30 J	46 U	16 J	12 J	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	450 U	460 U	440 U	440 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	15 J	46 U	44 U	44 U	36 U
Chrysene	ug/kg	33	43 - 1100	450 U	460 U	440 U	440 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	45 U	46 U	44 U	44 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	450 U	460 U	440 U	440 U	360 U
Fluorene	ug/kg	2	7.4 - 29	450 U	460 U	440 U	440 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	12 J	46 U	44 U	44 U	36 U
Naphthalene	ug/kg	0	NA	450 U	460 U	440 U	440 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	450 U	460 U	440 U	440 U	360 U
Pyrene	ug/kg	53	32 - 1300	450 U	460 U	440 U	440 U	360 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO02	REF07-SO03	REF07-SO04	REF07-SO05	REF07-SO06
			Sample Name	REF07-SO02-00-06	REF07-SO03-00-06	REF07-SO04-00-06	REF07-SO05-00-06	REF07-SO06-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	370 U	360 U	380 U	380 U
2-methylnaphthalene	ug/kg	0	NA	370 U	370 U	360 U	380 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	370 U	360 U	380 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	370 U	360 U	380 U	380 U
Anthracene	ug/kg	13	7.2 - 88	370 U	370 U	360 U	380 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	37 U	36 U	38 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	37 U	36 U	38 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	37 U	36 U	38 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	370 U	360 U	380 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	37 U	36 U	38 U	38 U
Chrysene	ug/kg	33	43 - 1100	370 U	370 U	360 U	380 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	37 U	36 U	38 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	370 U	360 U	380 U	380 U
Fluorene	ug/kg	2	7.4 - 29	370 U	370 U	360 U	380 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	37 U	36 U	38 U	38 U
Naphthalene	ug/kg	0	NA	370 U	370 U	360 U	380 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	370 U	360 U	380 U	380 U
Pyrene	ug/kg	53	32 - 1300	370 U	370 U	360 U	380 U	380 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO07	REF07-SO08	REF07-SO09	REF07-SO10	REF07-SO11
			Sample Name	REF07-SO07-00-06	REF07-SO08-00-06	REF07-SO09-00-06	REF07-SO10-00-06	REF07-SO11-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	380 U	370 U	370 U	380 U
2-methylnaphthalene	ug/kg	0	NA	370 U	380 U	370 U	370 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	380 U	370 U	370 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	380 U	370 U	370 U	380 U
Anthracene	ug/kg	13	7.2 - 88	370 U	380 U	370 U	370 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	38 U	37 U	37 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	38 U	37 U	37 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	38 U	37 U	37 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	380 U	370 U	370 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	38 U	37 U	37 U	38 U
Chrysene	ug/kg	33	43 - 1100	370 U	380 U	370 U	370 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	38 U	37 U	37 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	380 U	370 U	370 U	380 U
Fluorene	ug/kg	2	7.4 - 29	370 U	380 U	370 U	370 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	38 U	37 U	37 U	38 U
Naphthalene	ug/kg	0	NA	370 U	380 U	370 U	370 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	380 U	370 U	370 U	380 U
Pyrene	ug/kg	53	32 - 1300	370 U	380 U	370 U	370 U	380 U

No. of detects out of 256 samples.

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shading = detected analyte

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Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO12	REF07-SO13	REF07-SO14	REF07-SO15	REF07-SO16
			Sample Name	REF07-SO12-00-06	REF07-SO13-00-06	REF07-SO14-00-06	REF07-SO15-00-06	REF07-SO16-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	380 U	370 U	380 U	370 U
2-methylnaphthalene	ug/kg	0	NA	370 U	380 U	370 U	380 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	380 U	370 U	380 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	380 U	370 U	380 U	370 U
Anthracene	ug/kg	13	7.2 - 88	370 U	380 U	370 U	380 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	38 U	37 U	38 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	38 U	37 U	38 U	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	38 U	37 U	38 U	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	380 U	370 U	380 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	38 U	37 U	38 U	37 U
Chrysene	ug/kg	33	43 - 1100	370 U	380 U	370 U	380 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	38 U	37 U	38 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	380 U	370 U	380 U	370 U
Fluorene	ug/kg	2	7.4 - 29	370 U	380 U	370 U	380 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	38 U	37 U	38 U	37 U
Naphthalene	ug/kg	0	NA	370 U	380 U	370 U	380 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	380 U	370 U	380 U	370 U
Pyrene	ug/kg	53	32 - 1300	370 U	380 U	370 U	380 U	370 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO17	REF07-SO18	REF07-SO19	REF07-SO20	REF07-SO20
			Sample Name	REF07-SO17-00-06	REF07-SO18-00-06	REF07-SO19-00-06	REF07-SO20-00-06	REF07-DUP07-11/6/13
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	380 U	360 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	370 U	380 U	360 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	380 U	360 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	380 U	360 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	370 U	380 U	360 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	38 U	36 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	38 U*	36 U*	36 U*	36 U*
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	38 U*	36 U*	36 U*	36 U*
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	380 U	360 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	38 U	36 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	370 U	380 U	360 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	38 U	36 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	380 U	360 U	360 U	360 U
Fluorene	ug/kg	2	7.4 - 29	370 U	380 U	360 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	38 U	36 U	36 U	36 U
Naphthalene	ug/kg	0	NA	370 U	380 U	360 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	380 U	360 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	370 U	380 U	360 U	360 U	360 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF08-SO01	REF08-SO02	REF08-SO03	REF08-SO04	REF08-SO05
			Sample Name	REF08-SO01-00-06	REF08-SO02-00-06	REF08-SO03-00-06	REF08-SO04-00-06	REF08-SO05-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	360 U	370 U	420 U	360 U
2-methylnaphthalene	ug/kg	0	NA	370 U	360 U	370 U	420 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	360 U	370 U	420 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	360 U	370 U	420 U	360 U
Anthracene	ug/kg	13	7.2 - 88	370 U	360 U	370 U	420 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	36 U	37 U	42 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	62	12 J	37 U	42 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	200	12 J	37 U	9.3 J	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	89 J	360 U	370 U	420 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	81	15 J	37 U	42 U	36 U
Chrysene	ug/kg	33	43 - 1100	170 J	360 U	370 U	420 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	12 J	36 U	37 U	42 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	430	360 U	370 U	420 U	360 U
Fluorene	ug/kg	2	7.4 - 29	370 U	360 U	370 U	420 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	100	36 U	37 U	42 U	36 U
Naphthalene	ug/kg	0	NA	370 U	360 U	370 U	420 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	260 J	360 U	370 U	420 U	360 U
Pyrene	ug/kg	53	32 - 1300	290 J	360 U	370 U	420 U	360 U

No. of detects out of 256 samples.

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shading = detected analyte

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF08-SO06	REF08-SO07	REF08-SO08	REF08-SO09	REF08-SO10
			Sample Name	REF08-SO06-00-06	REF08-SO07-00-06	REF08-SO08-00-06	REF08-SO09-00-06	REF08-SO10-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	350 U	380 U	360 U	380 U
2-methylnaphthalene	ug/kg	0	NA	370 U	350 U	380 U	360 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	350 U	380 U	360 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	350 U	380 U	360 U	380 U
Anthracene	ug/kg	13	7.2 - 88	370 U	350 U	380 U	360 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	35 U	38 U	36 U	38 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	37 U	35 U	38 U	36 U	38 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	35 U	38 U	36 U	38 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	350 U	380 U	360 U	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	35 U	38 U	36 U	38 U
Chrysene	ug/kg	33	43 - 1100	370 U	350 U	380 U	360 U	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	35 U	38 U	36 U	38 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	350 U	380 U	360 U	380 U
Fluorene	ug/kg	2	7.4 - 29	370 U	350 U	380 U	360 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	35 U	38 U	36 U	38 U
Naphthalene	ug/kg	0	NA	370 U	350 U	380 U	360 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	350 U	380 U	360 U	380 U
Pyrene	ug/kg	53	32 - 1300	370 U	350 U	380 U	360 U	380 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF08-SO11	REF08-SO12	REF08-SO13	REF08-SO14	REF08-SO15
			Sample Name	REF08-SO11-00-06	REF08-SO12-00-06	REF08-SO13-00-06	REF08-SO14-00-06	REF08-SO15-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	370 U	390 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	360 U	370 U	390 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	360 U	370 U	390 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	360 U	370 U	390 U	370 U
Anthracene	ug/kg	13	7.2 - 88	360 U	360 U	370 U	390 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	36 U	37 U	39 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	36 U	36 U	37 U	39 U	190
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	36 U	36 U	37 U	39 U	590
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	360 U	370 U	390 U	220 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	36 U	37 U	39 U	270
Chrysene	ug/kg	33	43 - 1100	360 U	360 U	370 U	390 U	590
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	36 U	37 U	39 U	49
Fluoranthene	ug/kg	40	28 - 1200	360 U	360 U	370 U	390 U	1200
Fluorene	ug/kg	2	7.4 - 29	360 U	360 U	370 U	390 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	36 U	37 U	39 U	230
Naphthalene	ug/kg	0	NA	360 U	360 U	370 U	390 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	360 U	370 U	390 U	1300
Pyrene	ug/kg	53	32 - 1300	360 U	360 U	370 U	390 U	1000

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF08-SO16	REF08-SO17	REF08-SO18	REF08-SO19	REF08-SO20
			Sample Name	REF08-SO16-00-06	REF08-SO17-00-06	REF08-SO18-00-06	REF08-SO19-00-06	REF08-SO20-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	410 U	380 U	370 U	350 U
2-methylnaphthalene	ug/kg	0	NA	370 U	410 U	380 U	370 U	350 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	410 U	380 U	370 U	350 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	410 U	380 U	370 U	350 U
Anthracene	ug/kg	13	7.2 - 88	370 U	410 U	380 U	370 U	350 U
Benzo[a]anthracene	ug/kg	43	12 - 820	37 U	41 U	38 U	37 U	35 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	35 J	31 J	34 J	28 J	19 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 U	41 U	38 U	37 U	35 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	410 U	380 U	370 U	350 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	37 U	41 U	38 U	37 U	35 U
Chrysene	ug/kg	33	43 - 1100	370 U	410 U	380 U	370 U	350 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	41 U	38 U	37 U	35 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	410 U	380 U	370 U	350 U
Fluorene	ug/kg	2	7.4 - 29	370 U	410 U	380 U	370 U	350 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	37 U	41 U	38 U	37 U	35 U
Naphthalene	ug/kg	0	NA	370 U	410 U	380 U	370 U	350 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	410 U	380 U	370 U	350 U
Pyrene	ug/kg	53	32 - 1300	370 U	410 U	380 U	370 U	350 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Urban	Urban	Urban	Urban
			Reference Area	Redden State Forest	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park
			Sample Location	REF08-SO20	REF13-SO01	REF13-SO02	REF13-SO03	REF13-SO04
			Sample Name	REF08-DUP07-11/6/13	REF13-SO01-00-06	REF13-SO02-00-06	REF13-SO03-00-06	REF13-SO04-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	350 U	380 U	370 U	380 U	370 U
2-methylnaphthalene	ug/kg	0	NA	350 U	380 U	370 U	380 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	350 U	380 U	370 U	380 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	350 U	380 U	370 U	380 U	370 U
Anthracene	ug/kg	13	7.2 - 88	350 U	380 U	370 U	380 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	35 U	25 J	44	38 U	22 J
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	15 J	24 J	41	30 J	16 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	35 U	48 *	97 *	66 *	39 *
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	350 U	380 U	35 J	380 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	35 U	20 J	33 J	29 J	22 J
Chrysene	ug/kg	33	43 - 1100	350 U	380 U	47 J	380 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	35 U	38 U	37 U	38 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	350 U	380 U	80 J	54 J	370 U
Fluorene	ug/kg	2	7.4 - 29	350 U	380 U	370 U	380 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	35 U	38 U	34 J	38 U	37 U
Naphthalene	ug/kg	0	NA	350 U	380 U	370 U	380 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	350 U	380 U	370 U	380 U	370 U
Pyrene	ug/kg	53	32 - 1300	350 U	39 J	75 J	53 J	43 J

No. of detects out of 256 samples.

NA = not applicable.

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park
			Sample Location	REF13-SO05	REF13-SO06	REF13-SO07	REF13-SO08	REF13-SO09
			Sample Name	REF13-SO05-00-06	REF13-SO06-00-06	REF13-SO07-00-06	REF13-SO08-00-06	REF13-SO09-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	370 U	370 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	370 U	370 U	370 U	360 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	370 U	370 U	360 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	370 U	370 U	370 U	360 U	360 U
Anthracene	ug/kg	13	7.2 - 88	370 U	370 U	370 U	360 U	360 U
Benzo[a]anthracene	ug/kg	43	12 - 820	25 J	22 J	37 U	36 U	36 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	19 J	13 J	11 J	36 U	36 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	37 *	39 *	25 J	15 J*	36 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	370 U	370 U	370 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	16 J	37 U	37 U	36 U	36 U
Chrysene	ug/kg	33	43 - 1100	370 U	370 U	370 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	37 U	37 U	37 U	36 U	36 U
Fluoranthene	ug/kg	40	28 - 1200	370 U	370 U	370 U	360 U	360 U
Fluorene	ug/kg	2	7.4 - 29	370 U	370 U	370 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	12 J	8.7 J	37 U	36 U	36 U
Naphthalene	ug/kg	0	NA	370 U	370 U	370 U	360 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	370 U	370 U	370 U	360 U	360 U
Pyrene	ug/kg	53	32 - 1300	40 J	370 U	370 U	360 U	360 U

No. of detects out of 256 samples.

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Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park
			Sample Location	REF13-SO10	REF13-SO11	REF13-SO12	REF13-SO13	REF13-SO14
			Sample Name	REF13-SO10-00-06	REF13-SO11-00-06	REF13-SO12-00-06	REF13-SO13-00-06	REF13-SO14-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	370 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	360 U	370 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	360 U	370 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	360 U	370 U	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	360 U	360 U	370 U	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	36 U	37 U	36 U	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	36 U	36 U	37 U	36 U	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	36 U	36 U	37 U	36 U	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	360 U	370 U	360 U	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	36 U	37 U	36 U	37 U
Chrysene	ug/kg	33	43 - 1100	360 U	360 U	370 U	360 U	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	36 U	37 U	36 U	37 U
Fluoranthene	ug/kg	40	28 - 1200	360 U	360 U	370 U	360 U	370 U
Fluorene	ug/kg	2	7.4 - 29	360 U	360 U	370 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	36 U	37 U	36 U	37 U
Naphthalene	ug/kg	0	NA	360 U	360 U	370 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	360 U	370 U	360 U	370 U
Pyrene	ug/kg	53	32 - 1300	360 U	360 U	370 U	360 U	370 U

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park
			Sample Location	REF13-SO15	REF13-SO16	REF13-SO17	REF13-SO18	REF13-SO19
			Sample Name	REF13-SO15-00-06	REF13-SO16-00-06	REF13-SO17-00-06	REF13-SO18-00-06	REF13-SO19-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	360 U	400 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	10 U	360 U	4.7 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	10 U	360 U	4.7 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	20	360 U	4.7 U	370 U
Anthracene	ug/kg	13	7.2 - 88	360 U	33	59 J	88	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	220	110	150	37 U
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	36 U	200	100	140	37 U
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	36 U	370	120	160	37 U
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	130	110 J	170	370 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	370	110	150	37 U
Chrysene	ug/kg	33	43 - 1100	360 U	320	130 J	140	370 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	54	94	170	37 U
Fluoranthene	ug/kg	40	28 - 1200	360 U	89	100 J	130	370 U
Fluorene	ug/kg	2	7.4 - 29	360 U	10 U	360 U	29	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	130	110	160	37 U
Naphthalene	ug/kg	0	NA	360 U	10 U	360 U	4.7 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	21	76 J	89	370 U
Pyrene	ug/kg	53	32 - 1300	360 U	290	120 J	110	370 U

No. of detects out of 256 samples.

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF13-SO20	REF13-SO20	REF14-SO01	REF14-SO02	REF14-SO03
			Sample Name	REF13-SO20-00-06	REF13-DUP05-11/6/13	REF14-SO01-00-06	REF14-SO02-00-06	REF14-SO03-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	350 U	350 U	370 U	360 U	370 U
2-methylnaphthalene	ug/kg	0	NA	350 U	350 U	50 U	360 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	350 U	350 U	50 U	360 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	350 U	350 U	340	360 U	370 U
Anthracene	ug/kg	13	7.2 - 88	350 U	350 U	61	360 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	35 U	35 U	820	400	110
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	35 U	35 U	1600	670	160
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	20 J	23 J	1200	870	230
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	350 U	350 U	1500	550	140 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	35 U	35 U	1300	350	92
Chrysene	ug/kg	33	43 - 1100	350 U	350 U	1100	590	180 J
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	35 U	35 U	320	93	24 J
Fluoranthene	ug/kg	40	28 - 1200	350 U	350 U	1100	560	230 J
Fluorene	ug/kg	2	7.4 - 29	350 U	350 U	50 U	360 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	35 U	35 U	1000	570	140
Naphthalene	ug/kg	0	NA	350 U	350 U	50 U	360 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	350 U	350 U	240	100 J	68 J
Pyrene	ug/kg	53	32 - 1300	350 U	350 U	1300	760	280 J

No. of detects out of 256 samples.

NA = not applicable.

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF14-SO04	REF14-SO05	REF14-SO06	REF14-SO07	REF14-SO08
			Sample Name	REF14-SO04-00-06	REF14-SO05-00-06	REF14-SO06-00-06	REF14-SO07-00-06	REF14-SO08-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	370 U	370 U	350 U	340 U	380 U
2-methylnaphthalene	ug/kg	0	NA	370 U	37 U	350 U	340 U	380 U
Acenaphthene	ug/kg	3	6.4 - 9.5	370 U	37 U	350 U	340 U	380 U
Acenaphthylene	ug/kg	10	5.6 - 340	50 J	79	350 U	340 U	380 U
Anthracene	ug/kg	13	7.2 - 88	370 U	39	350 U	340 U	380 U
Benzo[a]anthracene	ug/kg	43	12 - 820	320	670	35 U	81	22 J
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	560	1100	27 J	110	29 J
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	670	1100	37	200	43
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	590	930	350 U	95 J	380 U
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	280	1100	35 U	79	20 J
Chrysene	ug/kg	33	43 - 1100	440	870	350 U	130 J	380 U
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	79	280	35 U	17 J	38 U
Fluoranthene	ug/kg	40	28 - 1200	400	910	350 U	140 J	380 U
Fluorene	ug/kg	2	7.4 - 29	370 U	37 U	350 U	340 U	380 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	550	780	25 J	110	24 J
Naphthalene	ug/kg	0	NA	370 U	37 U	350 U	340 U	380 U
Phenanthrene	ug/kg	21	5 - 1300	69 J	140	350 U	340 U	380 U
Pyrene	ug/kg	53	32 - 1300	550	780	38 J	170 J	37 J

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF14-SO09	REF14-SO10	REF14-SO11	REF14-SO12	REF14-SO13
			Sample Name	REF14-SO09-00-06	REF14-SO10-00-06	REF14-SO11-00-06	REF14-SO12-00-06	REF14-SO13-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	390 U	370 U	370 U	370 U	370 U
2-methylnaphthalene	ug/kg	0	NA	390 U	370 U	370 U	370 U	370 U
Acenaphthene	ug/kg	3	6.4 - 9.5	390 U	370 U	370 U	370 U	370 U
Acenaphthylene	ug/kg	10	5.6 - 340	390 U	370 U	47 J	370 U	370 U
Anthracene	ug/kg	13	7.2 - 88	390 U	370 U	59 J	370 U	370 U
Benzo[a]anthracene	ug/kg	43	12 - 820	39 U	37 U	560	75	82
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	22 J	81	720	96	110
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	28 J	100	880	180	140
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	390 U	70 J	710	110 J	110 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	14 J	50	380	70	63
Chrysene	ug/kg	33	43 - 1100	390 U	83 J	760	140 J	110 J
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	39 U	17 J	140	22 J	18 J
Fluoranthene	ug/kg	40	28 - 1200	390 U	93 J	970	180 J	130 J
Fluorene	ug/kg	2	7.4 - 29	390 U	370 U	370 U	370 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	39 U	67	720	120	110
Naphthalene	ug/kg	0	NA	390 U	370 U	370 U	370 U	370 U
Phenanthrene	ug/kg	21	5 - 1300	390 U	370 U	330 J	370 U	370 U
Pyrene	ug/kg	53	32 - 1300	35 J	110 J	960	150 J	140 J

No. of detects out of 256 samples.

NA = not applicable.

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U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban	Urban
			Reference Area	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF14-SO14	REF14-SO15	REF14-SO16	REF14-SO17	REF14-SO18
			Sample Name	REF14-SO14-00-06	REF14-SO15-00-06	REF14-SO16-00-06	REF14-SO17-00-06	REF14-SO18-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**					
2-chloronaphthalene	ug/kg	0	NA	360 U	380 U	370 U	380 U	360 U
2-methylnaphthalene	ug/kg	0	NA	360 U	380 U	370 U	380 U	360 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	380 U	370 U	380 U	360 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	380 U	370 U	380 U	79 J
Anthracene	ug/kg	13	7.2 - 88	360 U	380 U	370 U	380 U	67 J
Benzo[a]anthracene	ug/kg	43	12 - 820	36 U	87	37 U	130	430
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	27 J	130	31 J	210	520
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	34 J	160	46	240	640
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	360 U	120 J	32 J	220 J	570
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	36 U	68	22 J	99	250
Chrysene	ug/kg	33	43 - 1100	360 U	120 J	370 U	190 J	460
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	36 U	18 J	37 U	33 J	89
Fluoranthene	ug/kg	40	28 - 1200	360 U	150 J	370 U	210 J	850
Fluorene	ug/kg	2	7.4 - 29	360 U	380 U	370 U	380 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	36 U	120	33 J	200	540
Naphthalene	ug/kg	0	NA	360 U	380 U	370 U	380 U	360 U
Phenanthrene	ug/kg	21	5 - 1300	360 U	380 U	370 U	53 J	180 J
Pyrene	ug/kg	53	32 - 1300	39 J	170 J	44 J	230 J	600

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 4. Analytical Results for Surface Soil Samples

			County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban
			Reference Area	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF14-SO19	REF14-SO19	REF14-SO20
			Sample Name	REF14-SO19-00-06	REF14-DUP-08-11/8/13	REF14-SO20-00-06
			Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**			
2-chloronaphthalene	ug/kg	0	NA	360 U	370 U	390 U
2-methylnaphthalene	ug/kg	0	NA	360 U	370 U	390 U
Acenaphthene	ug/kg	3	6.4 - 9.5	360 U	370 U	390 U
Acenaphthylene	ug/kg	10	5.6 - 340	360 U	370 U	390 U
Anthracene	ug/kg	13	7.2 - 88	360 U	370 U	390 U
Benzo[a]anthracene	ug/kg	43	12 - 820	59	33 J	50
Benzo[a]pyrene	ug/kg	75	5.1 - 1600	57	38	63
Benzo[b]fluoranthene	ug/kg	88	6.4 - 1200	76	51	81
Benzo[g,h,i]perylene	ug/kg	35	27 - 1500	49 J	40 J	56 J
Benzo[k]fluoranthene	ug/kg	44	6.3 - 1300	33 J	24 J	44
Chrysene	ug/kg	33	43 - 1100	56 J	370 U	66 J
Dibenz[a,h]anthracene	ug/kg	33	4.8 - 320	11 J	37 U	11 J
Fluoranthene	ug/kg	40	28 - 1200	120 J	58 J	84 J
Fluorene	ug/kg	2	7.4 - 29	360 U	370 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	52	7.6 - 1000	56	42	47
Naphthalene	ug/kg	0	NA	360 U	370 U	390 U
Phenanthrene	ug/kg	21	5 - 1300	74 J	370 U	390 U
Pyrene	ug/kg	53	32 - 1300	85 J	46 J	97 J

No. of detects out of 256 samples.

NA = not applicable.

shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.

J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.

U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO04	REF05-SO04	REF05-SO04	REF05-SO10
			Sample Name	REF05-SO04-06-12	REF05-SO04-12-18	REF05-SO04-18-24	REF05-SO10-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	380 U	360 U	380 U	370 U
2-methylnaphthalene	ug/kg	0	NA	380 U	360 U	380 U	370 U
Acenaphthene	ug/kg	0	NA	380 U	360 U	380 U	370 U
Acenaphthylene	ug/kg	1	12 - 12	380 U	360 U	380 U	370 U
Anthracene	ug/kg	1	31 - 31	380 U	360 U	380 U	370 U
Benzo[a]anthracene	ug/kg	7	16 - 150	38 U	36 U	38 U	37 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	38 U	36 U	38 U	37 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	38 U	36 U	38 U	37 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	380 U	360 U	380 U	370 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	38 U	36 U	38 U	37 U
Chrysene	ug/kg	5	58 - 140	380 U	360 U	380 U	370 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	38 U	36 U	38 U	37 U
Fluoranthene	ug/kg	5	86 - 200	380 U	360 U	380 U	370 U
Fluorene	ug/kg	0	NA	380 U	360 U	380 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	38 U	36 U	38 U	37 U
Naphthalene	ug/kg	0	NA	380 U	360 U	380 U	370 U
Phenanthrene	ug/kg	1	53 - 53	380 U	360 U	380 U	370 U
Pyrene	ug/kg	6	41 - 170	380 U	360 U	380 U	370 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF05-SO10	REF05-SO10	REF06-SO02	REF06-SO02
			Sample Name	REF05-SO10-12-18	REF05-SO10-18-24	REF06-SO02-06-12	REF06-SO02-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	380 U	380 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	380 U	380 U	360 U	360 U
Acenaphthene	ug/kg	0	NA	380 U	380 U	360 U	360 U
Acenaphthylene	ug/kg	1	12 - 12	380 U	380 U	360 U	360 U
Anthracene	ug/kg	1	31 - 31	380 U	380 U	360 U	360 U
Benzo[a]anthracene	ug/kg	7	16 - 150	38 U	38 U	36 U	36 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	38 U	38 U	36 U	36 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	38 U	38 U	36 U	36 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	380 U	380 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	38 U	38 U	36 U	36 U
Chrysene	ug/kg	5	58 - 140	380 U	380 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	38 U	38 U	36 U	36 U
Fluoranthene	ug/kg	5	86 - 200	380 U	380 U	360 U	360 U
Fluorene	ug/kg	0	NA	380 U	380 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	38 U	38 U	36 U	36 U
Naphthalene	ug/kg	0	NA	380 U	380 U	360 U	360 U
Phenanthrene	ug/kg	1	53 - 53	380 U	380 U	360 U	360 U
Pyrene	ug/kg	6	41 - 170	380 U	380 U	360 U	360 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area
			Sample Location	REF06-SO02	REF06-SO19	REF06-SO19	REF06-SO19
			Sample Name	REF06-SO02-18-24	REF06-SO19-06-12	REF06-SO19-12-18	REF06-SO19-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	380 U	390 U	360 U
2-methylnaphthalene	ug/kg	0	NA	350 U	380 U	390 U	360 U
Acenaphthene	ug/kg	0	NA	350 U	380 U	390 U	360 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	380 U	390 U	360 U
Anthracene	ug/kg	1	31 - 31	350 U	380 U	390 U	360 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	38 U	39 U	36 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U	38 U	39 U	36 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U	38 U	39 U	36 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	380 U	390 U	360 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	38 U	39 U	36 U
Chrysene	ug/kg	5	58 - 140	350 U	380 U	390 U	360 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	38 U	39 U	36 U
Fluoranthene	ug/kg	5	86 - 200	350 U	380 U	390 U	360 U
Fluorene	ug/kg	0	NA	350 U	380 U	390 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	38 U	39 U	36 U
Naphthalene	ug/kg	0	NA	350 U	380 U	390 U	360 U
Phenanthrene	ug/kg	1	53 - 53	350 U	380 U	390 U	360 U
Pyrene	ug/kg	6	41 - 170	350 U	380 U	390 U	360 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park	Smyrna Municipal Park
			Sample Location	REF11-SO01	REF11-SO01	REF11-SO01	REF11-SO17
			Sample Name	REF11-SO01-06-12	REF11-SO01-12-18	REF11-SO01-18-24	REF11-SO17-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	5.8 U	360 U	360 U	360 U
Acenaphthene	ug/kg	0	NA	5.8 U	360 U	360 U	360 U
Acenaphthylene	ug/kg	1	12 - 12	12	360 U	360 U	360 U
Anthracene	ug/kg	1	31 - 31	31	360 U	360 U	360 U
Benzo[a]anthracene	ug/kg	7	16 - 150	150	36 U	36 U	44
Benzo[a]pyrene	ug/kg	8	9.6 - 120	120	36 U	36 U	36 U*
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	110	7.4 J	36 U	84
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	54	360 U	360 U	45 J
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	120	36 U	36 U	36 U
Chrysene	ug/kg	5	58 - 140	140	360 U	360 U	58 J
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	25	36 U	36 U	36 U
Fluoranthene	ug/kg	5	86 - 200	200	360 U	360 U	87 J
Fluorene	ug/kg	0	NA	5.8 U	360 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	55	36 U	36 U	43
Naphthalene	ug/kg	0	NA	5.8 U	360 U	360 U	360 U
Phenanthrene	ug/kg	1	53 - 53	53	360 U	360 U	360 U
Pyrene	ug/kg	6	41 - 170	170	360 U	360 U	100 J

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Brecknock Park	Brecknock Park
			Sample Location	REF11-SO17	REF11-SO17	REF12-SO04	REF12-SO04
			Sample Name	REF11-SO17-12-18	REF11-SO17-18-24	REF12-SO04-06-12	REF12-SO04-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	360 U	360 U	370 U	370 U
2-methylnaphthalene	ug/kg	0	NA	360 U	360 U	370 U	370 U
Acenaphthene	ug/kg	0	NA	360 U	360 U	370 U	370 U
Acenaphthylene	ug/kg	1	12 - 12	360 U	360 U	370 U	370 U
Anthracene	ug/kg	1	31 - 31	360 U	360 U	370 U	370 U
Benzo[a]anthracene	ug/kg	7	16 - 150	43	36 U	37 U	37 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	52 *	36 U*	37 U	37 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	80	36 U	37 U	37 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	50 J	360 U	370 U	370 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 J	36 U	37 U	37 U
Chrysene	ug/kg	5	58 - 140	59 J	360 U	370 U	370 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	36 U	36 U	37 U	37 U
Fluoranthene	ug/kg	5	86 - 200	86 J	360 U	370 U	370 U
Fluorene	ug/kg	0	NA	360 U	360 U	370 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	51	36 U	37 U	37 U
Naphthalene	ug/kg	0	NA	360 U	360 U	370 U	370 U
Phenanthrene	ug/kg	1	53 - 53	360 U	360 U	370 U	370 U
Pyrene	ug/kg	6	41 - 170	96 J	360 U	370 U	370 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Kent County	Kent County	Kent County	Kent County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Brecknock Park	Brecknock Park	Brecknock Park	Brecknock Park
			Sample Location	REF12-SO04	REF12-SO15	REF12-SO15	REF12-SO15
			Sample Name	REF12-SO04-18-24	REF12-SO15-06-12	REF12-SO15-12-18	REF12-SO15-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U
2-methylnaphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U
Acenaphthene	ug/kg	0	NA	370 U	360 U	360 U	360 U
Acenaphthylene	ug/kg	1	12 - 12	370 U	360 U	360 U	360 U
Anthracene	ug/kg	1	31 - 31	370 U	360 U	360 U	360 U
Benzo[a]anthracene	ug/kg	7	16 - 150	37 U	36 U	36 U	36 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	37 U	36 U	36 U	36 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	37 U	36 U	36 U	36 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	370 U	360 U	360 U	360 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	37 U	36 U	36 U	36 U
Chrysene	ug/kg	5	58 - 140	370 U	360 U	360 U	360 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	37 U	36 U	36 U	36 U
Fluoranthene	ug/kg	5	86 - 200	370 U	360 U	360 U	360 U
Fluorene	ug/kg	0	NA	370 U	360 U	360 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	37 U	36 U	36 U	36 U
Naphthalene	ug/kg	0	NA	370 U	360 U	360 U	360 U
Phenanthrene	ug/kg	1	53 - 53	370 U	360 U	360 U	360 U
Pyrene	ug/kg	6	41 - 170	370 U	360 U	360 U	360 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park	Lums Pond State Park
			Sample Location	REF15-SO03	REF15-SO03	REF15-SO03	REF15-SO15
			Sample Name	REF15-SO03-06-12	REF15-SO03-12-18	REF15-SO03-18-24	REF15-SO15-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	380 U	370 U	370 U	390 U
2-methylnaphthalene	ug/kg	0	NA	380 U	370 U	370 U	390 U
Acenaphthene	ug/kg	0	NA	380 U	370 U	370 U	390 U
Acenaphthylene	ug/kg	1	12 - 12	380 U	370 U	370 U	390 U
Anthracene	ug/kg	1	31 - 31	380 U	370 U	370 U	390 U
Benzo[a]anthracene	ug/kg	7	16 - 150	38 U	37 U	37 U	39 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	38 U	37 U	37 U	39 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	38 U	37 U	37 U	39 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	380 U	370 U	370 U	390 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	38 U	37 U	37 U	39 U
Chrysene	ug/kg	5	58 - 140	380 U	370 U	370 U	390 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	38 U	37 U	37 U	39 U
Fluoranthene	ug/kg	5	86 - 200	380 U	370 U	370 U	390 U
Fluorene	ug/kg	0	NA	380 U	370 U	370 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	38 U	37 U	37 U	39 U
Naphthalene	ug/kg	0	NA	380 U	370 U	370 U	390 U
Phenanthrene	ug/kg	1	53 - 53	380 U	370 U	370 U	390 U
Pyrene	ug/kg	6	41 - 170	380 U	370 U	370 U	390 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Lums Pond State Park	Lums Pond State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF15-SO15	REF15-SO15	REF16-SO10	REF16-SO10
			Sample Name	REF15-SO15-12-18	REF15-SO15-18-24	REF16-SO10-06-12	REF16-SO10-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	400 U	400 U	410 U	420 U
2-methylnaphthalene	ug/kg	0	NA	400 U	400 U	410 U	420 U
Acenaphthene	ug/kg	0	NA	400 U	400 U	410 U	420 U
Acenaphthylene	ug/kg	1	12 - 12	400 U	400 U	410 U	420 U
Anthracene	ug/kg	1	31 - 31	400 U	400 U	410 U	420 U
Benzo[a]anthracene	ug/kg	7	16 - 150	40 U	40 U	41 U	42 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	40 U	40 U	41 U*	42 U*
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	40 U	40 U	41 U*	42 U*
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	400 U	400 U	410 U	420 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	40 U	40 U	41 U	42 U
Chrysene	ug/kg	5	58 - 140	400 U	400 U	410 U	420 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	40 U	40 U	41 U	42 U
Fluoranthene	ug/kg	5	86 - 200	400 U	400 U	410 U	420 U
Fluorene	ug/kg	0	NA	400 U	400 U	410 U	420 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	40 U	40 U	41 U	42 U
Naphthalene	ug/kg	0	NA	400 U	400 U	410 U	420 U
Phenanthrene	ug/kg	1	53 - 53	400 U	400 U	410 U	420 U
Pyrene	ug/kg	6	41 - 170	400 U	400 U	410 U	420 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park	Brandywine Creek State Park
			Sample Location	REF16-SO10	REF16-SO13	REF16-SO13	REF16-SO13
			Sample Name	REF16-SO10-18-24	REF16-SO13-06-12	REF16-SO13-12-18	REF16-SO13-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	420 U	410 U	420 U	420 U
2-methylnaphthalene	ug/kg	0	NA	420 U	410 U	420 U	420 U
Acenaphthene	ug/kg	0	NA	420 U	410 U	420 U	420 U
Acenaphthylene	ug/kg	1	12 - 12	420 U	410 U	420 U	420 U
Anthracene	ug/kg	1	31 - 31	420 U	410 U	420 U	420 U
Benzo[a]anthracene	ug/kg	7	16 - 150	42 U	41 U	42 U	42 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	42 U*	41 U*	42 U*	42 U*
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	42 U*	41 U*	42 U*	42 U*
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	420 U	410 U	420 U	420 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	42 U	41 U	42 U	42 U
Chrysene	ug/kg	5	58 - 140	420 U	410 U	420 U	420 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	42 U	41 U	42 U	42 U
Fluoranthene	ug/kg	5	86 - 200	420 U	410 U	420 U	420 U
Fluorene	ug/kg	0	NA	420 U	410 U	420 U	420 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	42 U	41 U	42 U	42 U
Naphthalene	ug/kg	0	NA	420 U	410 U	420 U	420 U
Phenanthrene	ug/kg	1	53 - 53	420 U	410 U	420 U	420 U
Pyrene	ug/kg	6	41 - 170	420 U	410 U	420 U	420 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Banning Park	Banning Park
			Sample Location	REF09-SO03	REF09-SO03	REF09-SO03	REF09-SO07
			Sample Name	REF09-SO03-06-12	REF09-SO03-12-18	REF09-SO03-18-24	REF09-SO07-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	390 U	400 U	400 U	390 U
2-methylnaphthalene	ug/kg	0	NA	390 U	400 U	400 U	390 U
Acenaphthene	ug/kg	0	NA	390 U	400 U	400 U	390 U
Acenaphthylene	ug/kg	1	12 - 12	390 U	400 U	400 U	390 U
Anthracene	ug/kg	1	31 - 31	390 U	400 U	400 U	390 U
Benzo[a]anthracene	ug/kg	7	16 - 150	39 U	40 U	40 U	39 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	39 U	40 U	40 U	39 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	39 U	40 U	40 U	39 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	390 U	400 U	400 U	390 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	39 U	40 U	40 U	39 U
Chrysene	ug/kg	5	58 - 140	390 U	400 U	400 U	390 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	39 U	40 U	40 U	39 U
Fluoranthene	ug/kg	5	86 - 200	390 U	400 U	400 U	390 U
Fluorene	ug/kg	0	NA	390 U	400 U	400 U	390 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	39 U	40 U	40 U	39 U
Naphthalene	ug/kg	0	NA	390 U	400 U	400 U	390 U
Phenanthrene	ug/kg	1	53 - 53	390 U	400 U	400 U	390 U
Pyrene	ug/kg	6	41 - 170	390 U	400 U	400 U	390 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Banning Park	Banning Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF09-SO07	REF09-SO07	REF10-SO10	REF10-SO10
			Sample Name	REF09-SO07-12-18	REF09-SO07-18-24	REF10-SO10-06-12	REF10-SO10-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	400 U	400 U	410 U	400 U
2-methylnaphthalene	ug/kg	0	NA	400 U	400 U	410 U	400 U
Acenaphthene	ug/kg	0	NA	400 U	400 U	410 U	400 U
Acenaphthylene	ug/kg	1	12 - 12	400 U	400 U	410 U	400 U
Anthracene	ug/kg	1	31 - 31	400 U	400 U	410 U	400 U
Benzo[a]anthracene	ug/kg	7	16 - 150	40 U	40 U	41 U	40 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	40 U	40 U	41 U	40 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	40 U	40 U	41 U	40 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	400 U	400 U	410 U	400 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	40 U	40 U	41 U	40 U
Chrysene	ug/kg	5	58 - 140	400 U	400 U	410 U	400 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	40 U	40 U	41 U	40 U
Fluoranthene	ug/kg	5	86 - 200	400 U	400 U	410 U	400 U
Fluorene	ug/kg	0	NA	400 U	400 U	410 U	400 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	40 U	40 U	41 U	40 U
Naphthalene	ug/kg	0	NA	400 U	400 U	410 U	400 U
Phenanthrene	ug/kg	1	53 - 53	400 U	400 U	410 U	400 U
Pyrene	ug/kg	6	41 - 170	400 U	400 U	410 U	400 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	New Castle County	New Castle County	New Castle County	New Castle County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Bellevue State Park	Bellevue State Park	Bellevue State Park	Bellevue State Park
			Sample Location	REF10-SO10	REF10-SO18	REF10-SO18	REF10-SO18
			Sample Name	REF10-SO10-18-24	REF10-SO18-06-12	REF10-SO18-12-18	REF10-SO18-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	400 U	400 U	400 U	400 U
2-methylnaphthalene	ug/kg	0	NA	400 U	400 U	400 U	400 U
Acenaphthene	ug/kg	0	NA	400 U	400 U	400 U	400 U
Acenaphthylene	ug/kg	1	12 - 12	400 U	400 U	400 U	400 U
Anthracene	ug/kg	1	31 - 31	400 U	400 U	400 U	400 U
Benzo[a]anthracene	ug/kg	7	16 - 150	40 U	40 U	40 U	40 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	40 U	14 J	40 U	40 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	40 U	17 J	40 U	40 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	400 U	400 U	400 U	400 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	40 U	11 J	40 U	40 U
Chrysene	ug/kg	5	58 - 140	400 U	400 U	400 U	400 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	40 U	40 U	40 U	40 U
Fluoranthene	ug/kg	5	86 - 200	400 U	400 U	400 U	400 U
Fluorene	ug/kg	0	NA	400 U	400 U	400 U	400 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	40 U	40 U	40 U	40 U
Naphthalene	ug/kg	0	NA	400 U	400 U	400 U	400 U
Phenanthrene	ug/kg	1	53 - 53	400 U	400 U	400 U	400 U
Pyrene	ug/kg	6	41 - 170	400 U	400 U	400 U	400 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO12	REF07-SO12	REF07-SO12	REF07-SO19
			Sample Name	REF07-SO12-06-12	REF07-SO12-12-18	REF07-SO12-18-24	REF07-SO19-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	360 U	380 U	360 U
2-methylnaphthalene	ug/kg	0	NA	350 U	360 U	380 U	360 U
Acenaphthene	ug/kg	0	NA	350 U	360 U	380 U	360 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	360 U	380 U	360 U
Anthracene	ug/kg	1	31 - 31	350 U	360 U	380 U	360 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	36 U	38 U	36 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U	36 U	38 U	36 U*
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U	36 U	38 U	36 U*
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	360 U	380 U	360 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	36 U	38 U	36 U
Chrysene	ug/kg	5	58 - 140	350 U	360 U	380 U	360 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	36 U	38 U	36 U
Fluoranthene	ug/kg	5	86 - 200	350 U	360 U	380 U	360 U
Fluorene	ug/kg	0	NA	350 U	360 U	380 U	360 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	36 U	38 U	36 U
Naphthalene	ug/kg	0	NA	350 U	360 U	380 U	360 U
Phenanthrene	ug/kg	1	53 - 53	350 U	360 U	380 U	360 U
Pyrene	ug/kg	6	41 - 170	350 U	360 U	380 U	360 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF07-SO19	REF07-SO19	REF08-SO04	REF08-SO04
			Sample Name	REF07-SO19-12-18	REF07-SO19-18-24	REF08-SO04-06-12	REF08-SO04-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	350 U	420 U	400 U
2-methylnaphthalene	ug/kg	0	NA	350 U	350 U	420 U	400 U
Acenaphthene	ug/kg	0	NA	350 U	350 U	420 U	400 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	350 U	420 U	400 U
Anthracene	ug/kg	1	31 - 31	350 U	350 U	420 U	400 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	35 U	42 U	40 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U*	35 U*	42 U	40 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U*	35 U*	42 U	8.4 J
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	350 U	420 U	400 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	35 U	42 U	6.4 J
Chrysene	ug/kg	5	58 - 140	350 U	350 U	420 U	400 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	35 U	42 U	40 U
Fluoranthene	ug/kg	5	86 - 200	350 U	350 U	420 U	400 U
Fluorene	ug/kg	0	NA	350 U	350 U	420 U	400 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	35 U	42 U	40 U
Naphthalene	ug/kg	0	NA	350 U	350 U	420 U	400 U
Phenanthrene	ug/kg	1	53 - 53	350 U	350 U	420 U	400 U
Pyrene	ug/kg	6	41 - 170	350 U	350 U	420 U	400 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Rural	Rural	Rural	Rural
			Reference Area	Redden State Forest	Redden State Forest	Redden State Forest	Redden State Forest
			Sample Location	REF08-SO04	REF08-SO11	REF08-SO11	REF08-SO11
			Sample Name	REF08-SO04-18-24	REF08-SO11-06-12	REF08-SO11-12-18	REF08-SO11-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	390 U	360 U	370 U	370 U
2-methylnaphthalene	ug/kg	0	NA	390 U	360 U	370 U	370 U
Acenaphthene	ug/kg	0	NA	390 U	360 U	370 U	370 U
Acenaphthylene	ug/kg	1	12 - 12	390 U	360 U	370 U	370 U
Anthracene	ug/kg	1	31 - 31	390 U	360 U	370 U	370 U
Benzo[a]anthracene	ug/kg	7	16 - 150	39 U	36 U	37 U	37 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	39 U	11 J*	37 U	37 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	39 U	15 J	14 J	37 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	390 U	360 U	370 U	370 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	39 U	36 U	37 U	37 U
Chrysene	ug/kg	5	58 - 140	390 U	360 U	370 U	370 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	39 U	36 U	37 U	37 U
Fluoranthene	ug/kg	5	86 - 200	390 U	360 U	370 U	370 U
Fluorene	ug/kg	0	NA	390 U	360 U	370 U	370 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	39 U	36 U	37 U	37 U
Naphthalene	ug/kg	0	NA	390 U	360 U	370 U	370 U
Phenanthrene	ug/kg	1	53 - 53	390 U	360 U	370 U	370 U
Pyrene	ug/kg	6	41 - 170	390 U	360 U	370 U	370 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Williams Pond Park	Williams Pond Park
			Sample Location	REF13-SO11	REF13-SO11	REF13-SO11	REF13-SO16
			Sample Name	REF13-SO11-06-12	REF13-SO11-12-18	REF13-SO11-18-24	REF13-SO16-06-12
			Sample Depth	6 - 12 in	12 - 18 in	18 - 24 in	6 - 12 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	350 U	360 U	350 U
2-methylnaphthalene	ug/kg	0	NA	350 U	350 U	360 U	350 U
Acenaphthene	ug/kg	0	NA	350 U	350 U	360 U	350 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	350 U	360 U	350 U
Anthracene	ug/kg	1	31 - 31	350 U	350 U	360 U	350 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	35 U	36 U	35 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U	35 U	36 U	35 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U	35 U	36 U	35 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	350 U	360 U	350 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	35 U	36 U	35 U
Chrysene	ug/kg	5	58 - 140	350 U	350 U	360 U	350 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	35 U	36 U	35 U
Fluoranthene	ug/kg	5	86 - 200	350 U	350 U	360 U	350 U
Fluorene	ug/kg	0	NA	350 U	350 U	360 U	350 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	35 U	36 U	35 U
Naphthalene	ug/kg	0	NA	350 U	350 U	360 U	350 U
Phenanthrene	ug/kg	1	53 - 53	350 U	350 U	360 U	350 U
Pyrene	ug/kg	6	41 - 170	350 U	350 U	360 U	350 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Williams Pond Park	Williams Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF13-SO16	REF13-SO16	REF14-SO06	REF14-SO06
			Sample Name	REF13-SO16-12-18	REF13-SO16-18-24	REF14-SO06-06-12	REF14-SO06-12-18
			Sample Depth	12 - 18 in	18 - 24 in	6 - 12 in	12 - 18 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	350 U	350 U	350 U
2-methylnaphthalene	ug/kg	0	NA	350 U	350 U	350 U	350 U
Acenaphthene	ug/kg	0	NA	350 U	350 U	350 U	350 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	350 U	350 U	350 U
Anthracene	ug/kg	1	31 - 31	350 U	350 U	350 U	350 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	35 U	16 J	35 U
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U	35 U	9.6 J	35 U
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U	35 U	15 J	35 U
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	350 U	350 U	350 U
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	35 U	9.9 J	35 U
Chrysene	ug/kg	5	58 - 140	350 U	350 U	350 U	350 U
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	35 U	35 U	35 U
Fluoranthene	ug/kg	5	86 - 200	350 U	350 U	350 U	350 U
Fluorene	ug/kg	0	NA	350 U	350 U	350 U	350 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	35 U	9.6 J	35 U
Naphthalene	ug/kg	0	NA	350 U	350 U	350 U	350 U
Phenanthrene	ug/kg	1	53 - 53	350 U	350 U	350 U	350 U
Pyrene	ug/kg	6	41 - 170	350 U	350 U	350 U	350 U

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 5. Analytical Results for Subsurface Soil Samples

			County	Sussex County	Sussex County	Sussex County	Sussex County
			Site Type	Urban	Urban	Urban	Urban
			Reference Area	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park	Marshall's Pond Park
			Sample Location	REF14-SO06	REF14-SO20	REF14-SO20	REF14-SO20
			Sample Name	REF14-SO06-18-24	REF14-SO20-06-12	REF14-SO20-12-18	REF14-SO20-18-24
			Sample Depth	18 - 24 in	6 - 12 in	12 - 18 in	18 - 24 in
Analyte	**Units**	**No. Detects**	**Range of Detected Concentrations**				
2-chloronaphthalene	ug/kg	0	NA	350 U	360 U	400 U	440 U
2-methylnaphthalene	ug/kg	0	NA	350 U	360 U	400 U	440 U
Acenaphthene	ug/kg	0	NA	350 U	360 U	400 U	440 U
Acenaphthylene	ug/kg	1	12 - 12	350 U	360 U	400 U	440 U
Anthracene	ug/kg	1	31 - 31	350 U	360 U	400 U	440 U
Benzo[a]anthracene	ug/kg	7	16 - 150	35 U	25 J	83	73
Benzo[a]pyrene	ug/kg	8	9.6 - 120	35 U	24 J	85	87
Benzo[b]fluoranthene	ug/kg	12	7.4 - 110	35 U	39	99	110
Benzo[g,h,i]perylene	ug/kg	5	45 - 81	350 U	360 U	79 J	81 J
Benzo[k]fluoranthene	ug/kg	8	6.4 - 120	35 U	13 J	48	52
Chrysene	ug/kg	5	58 - 140	350 U	360 U	84 J	93 J
Dibenz[a,h]anthracene	ug/kg	4	5.6 - 25	35 U	5.6 J	14 J	19 J
Fluoranthene	ug/kg	5	86 - 200	350 U	360 U	140 J	140 J
Fluorene	ug/kg	0	NA	350 U	360 U	400 U	440 U
Indeno[1,2,3-c,d]pyrene	ug/kg	7	9.6 - 80	35 U	20 J	77	80
Naphthalene	ug/kg	0	NA	350 U	360 U	400 U	440 U
Phenanthrene	ug/kg	1	53 - 53	350 U	360 U	400 U	440 U
Pyrene	ug/kg	6	41 - 170	350 U	41 J	110 J	130 J

No. of detects out of 72 samples.
NA = not applicable.
shading = detected analyte

* = Recovery or relative percent difference exceeds control limits.
J = Result is < the RL but ≥ the MDL and the concentration is an approximate value.
U = Not detected, associated value is the reporting limit.

Table 6. Analytical Results for Supplemental Analyses

	County	Kent County	Kent County	Kent County	Kent County	Kent County	Kent County
	Site Type	Rural	Rural	Rural	Rural	Urban	Urban
	Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Smyrna Municipal Park	Smyrna Municipal Park
	Sample Location	Ref05-SO08	Ref05-SO10	Ref05-SO16	REF05-SO20	Ref11-SO01	Ref11-SO03
	Sample Name	Ref05-SO08-00-06	Ref05-SO10-00-06	Ref05-SO16-00-06	Ref05-Dup10-11/8/13	Ref11-SO01-06-12	Ref11-SO03-00-06
	Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	6 - 12 in	0 - 6 in
Analyte	**Units**						
1-Methylnaphthalene	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
2-Methylnaphthalene	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
Acenaphthene	mg/kg	0.0033 U	0.0065 U	0.0095	0.0064	0.0058 U	0.0089
Acenaphthylene	mg/kg	0.0056	0.0065 U	0.0077 U	0.0063 U	0.012	0.0076
Anthracene	mg/kg	0.0099	0.019	0.0077 U	0.012	0.031	0.023
Benzo[a]anthracene	mg/kg	0.029	0.14	0.18	0.11	0.15	0.13
Benzo[a]pyrene	mg/kg	0.051	0.17	0.30	0.11	0.12	0.11
Benzo[b]fluoranthene	mg/kg	0.12	0.18	0.29	0.13	0.11	0.11
Benzo[e]pyrene	mg/kg	0.071	0.10	0.17	0.073	0.068	0.067
Benzo[g,h,i]perylene	mg/kg	0.056	0.10	0.18	0.091	0.054	0.059
Benzo[k]fluoranthene	mg/kg	0.071	0.15	0.26	0.10	0.12	0.11
C1-Chrysenes	mg/kg	0.061 J	0.055 J	0.098 J	0.050 J	0.097 J	0.088 J
C1-Fluoranthenes/pyrene	mg/kg	0.057 J	0.093 J	0.12 J	0.095 J	0.20 J	0.15 J
C1-Fluorenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
C1-Naphthalenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
C1-Phenanthrenes/Anthracenes	mg/kg	0.0075 J	0.025 J	0.012 J	0.031 J	0.064 J	0.069 J
C2-Chrysenes	mg/kg	0.035 J	0.021 J	0.039 J	0.023 J	0.041 J	0.034 J
C2-Fluoranthenes/Pyrene	mg/kg	0.043 J	0.041 J	0.049 J	0.044 J	0.092 J	0.085 J
C2-Fluorenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
C2-Naphthalenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0072 J	0.0058 U	0.0095 J
C2-Phenanthrenes/Anthracenes	mg/kg	0.009 J	0.0084 J	0.0077 U	0.014 J	0.036 J	0.039 J
C3-Chrysenes	mg/kg	0.013 J	0.0065 U	0.012 J	0.007 J	0.014 J	0.012 J
C3-Fluoranthenes/Pyrene	mg/kg	0.026 J	0.0065 U	0.0077 U	0.0063 U	0.030 J	0.030 J
C3-Fluorenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
C3-Naphthalenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0075 J	0.012 J
C3-Phenanthrenes/Anthracenes	mg/kg	0.0092 J	0.0065 U	0.0077 U	0.0063 U	0.019 J	0.017 J
C4-Chrysenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
C4-Naphthalenes	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0071
C4-Phenanthrenes/Anthracenes	mg/kg	0.0041 J	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
Chrysene	mg/kg	0.060	0.16	0.22	0.13	0.14	0.13
Dibenz(a,h)anthracene	mg/kg	0.017	0.033	0.068	0.026	0.025	0.025
Dibenzothiophene	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058
Fluoranthene	mg/kg	0.028	0.23	0.14	0.21	0.20	0.22

Table 6. Analytical Results for Supplemental Analyses

	County	Kent County	Kent County	Kent County	Kent County	Kent County	Kent County
	Site Type	Rural	Rural	Rural	Rural	Urban	Urban
	Reference Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Norman Wilder Wildlife Area	Smyrna Municipal Park	Smyrna Municipal Park
	Sample Location	Ref05-SO08	Ref05-SO10	Ref05-SO16	REF05-SO20	Ref11-SO01	Ref11-SO03
	Sample Name	Ref05-SO08-00-06	Ref05-SO10-00-06	Ref05-SO16-00-06	Ref05-Dup10-11/8/13	Ref11-SO01-06-12	Ref11-SO03-00-06
	Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	6 - 12 in	0 - 6 in
Analyte	**Units**						
Fluorene	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0074
Indeno[1,2,3-cd]pyrene	mg/kg	0.045	0.091	0.17	0.074	0.055	0.058
Naphthalene	mg/kg	0.0033 U	0.0065 U	0.0077 U	0.0063 U	0.0058 U	0.0058 U
Perylene	mg/kg	0.013	0.042	0.074	0.029	0.019	0.019
Phenanthrene	mg/kg	0.005	0.097	0.026	0.099	0.053	0.12
Pyrene	mg/kg	0.032	0.16	0.14	0.15	0.17	0.19
Total Conc	mg/kg	0.8783	1.9154	2.5575	1.6216	1.9275	1.9533
Black Carbon	mg/kg	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
TOC	mg/kg	26000 H	21700 H	12500 H	24100 H	4590	9700

shading = detected analyte
J = Indicates an Estimated Value for TICs.
H = Sample was prepped or analyzed beyond the specified holding time.
U = Indicates the analyte was analyzed for but not detected. Value presented is the method detection limit.

Table 6. Analytical Results for Supplemental Analyses

	County	Kent County	Kent County	Sussex County	Sussex County	Sussex County	Sussex County
	Site Type	Urban	Urban	Rural	Urban	Urban	Urban
	Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Redden State Forest	Marshall's Pond Park	Marshall's Pond Park	Williams Pond Park
	Sample Location	Ref11-SO17	REF11-SO02	REF08-SO15	REF14-SO01	REF14-SO05	REF13-SO16
	Sample Name	Ref11-SO17-00-06	Ref11-Dup15-11/13/13	REF08-SO15-00-06	REF14-SO01-00-06	REF14-SO05-00-06	REF13-SO16-00-06
	Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**						
1-Methylnaphthalene	mg/kg	0.0049 U	0.0037 U	0.070 J H	0.050 U	0.037 U	0.010 U
2-Methylnaphthalene	mg/kg	0.0049 U	0.0037 U	0.044 J H	0.050 U	0.037 U	0.010 U
Acenaphthene	mg/kg	0.0049 U	0.0037 U	0.0079 U H	0.050 U	0.037 U	0.010 U
Acenaphthylene	mg/kg	0.010	0.0068	0.054 J H	0.34	0.079	0.020
Anthracene	mg/kg	0.0072	0.0075	0.0079 U H	0.061	0.039	0.033
Benzo[a]anthracene	mg/kg	0.071	0.078	0.21 H	0.82	0.67	0.22
Benzo[a]pyrene	mg/kg	0.081	0.088	0.40 H	1.6	1.1	0.20
Benzo[b]fluoranthene	mg/kg	0.088	0.089	0.87 H	1.2	1.1	0.37
Benzo[e]pyrene	mg/kg	0.055	0.056	0.50 H	1.1	0.79	0.20
Benzo[g,h,i]perylene	mg/kg	0.057	0.058	0.41 H	1.5	0.93	0.13
Benzo[k]fluoranthene	mg/kg	0.089	0.086	0.88 H	1.3	1.1	0.37
C1-Chrysenes	mg/kg	0.050 J	0.055 J	0.24 H J	0.86 J	0.66 J	0.22 J
C1-Fluoranthenes/pyrene	mg/kg	0.085 J	0.086 J	0.42 H J	1.3 J	0.80 J	0.25 J
C1-Fluorenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.050 U	0.037 U	0.010 U
C1-Naphthalenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.050 U	0.037 U	0.010 U
C1-Phenanthrenes/Anthracenes	mg/kg	0.032 J	0.025 J	0.49 H J	0.32 J	0.19 J	0.025 J
C2-Chrysenes	mg/kg	0.020 J	0.025 J	0.10 U H	0.46 J	0.38 J	0.093 J
C2-Fluoranthenes/Pyrene	mg/kg	0.054 J	0.050 J	0.52 H J	0.86 J	0.64 J	0.18 J
C2-Fluorenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.050 U	0.037 U	0.010 U
C2-Naphthalenes	mg/kg	0.0049 U	0.0037 U	0.17 H J	0.050 U	0.037 U	0.010 U
C2-Phenanthrenes/Anthracenes	mg/kg	0.019 J	0.017 J	0.16 H J	0.45 J	0.28 J	0.040 J
C3-Chrysenes	mg/kg	0.0082 J	0.012 J	0.10 U H	0.14 J	0.13 J	0.033 J
C3-Fluoranthenes/Pyrene	mg/kg	0.018 J	0.020 J	0.10 U H	0.40 J	0.32 J	0.092 J
C3-Fluorenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.050 U	0.037 U	0.010 U
C3-Naphthalenes	mg/kg	0.0062 J	0.0045 J	0.10 H J	0.050 U	0.037 U	0.010 U
C3-Phenanthrenes/Anthracenes	mg/kg	0.0095 J	0.0097 J	0.10 U H	0.36 J	0.23 J	0.042 J
C4-Chrysenes	mg/kg	0.0049 U	0.0052 J	0.10 U H	0.050 U	0.037 U	0.010 U
C4-Naphthalenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.050 U	0.037 U	0.010 U
C4-Phenanthrenes/Anthracenes	mg/kg	0.0049 U	0.0037 U	0.10 U H	0.15 J	0.089 J	0.016 J
Chrysene	mg/kg	0.091	0.084	1.1 H	1.1	0.87	0.32
Dibenz(a,h)anthracene	mg/kg	0.019	0.022	0.11 H	0.32	0.28	0.054
Dibenzothiophene	mg/kg	0.0049 U	0.0037 U	0.11 H	0.050 U	0.037 U	0.010 U
Fluoranthene	mg/kg	0.15	0.13	3.1 H	1.1	0.91	0.089

Table 6. Analytical Results for Supplemental Analyses

	County	Kent County	Kent County	Sussex County	Sussex County	Sussex County	Sussex County
	Site Type	Urban	Urban	Rural	Urban	Urban	Urban
	Reference Area	Smyrna Municipal Park	Smyrna Municipal Park	Redden State Forest	Marshall's Pond Park	Marshall's Pond Park	Williams Pond Park
	Sample Location	Ref11-SO17	REF11-SO02	REF08-SO15	REF14-SO01	REF14-SO05	REF13-SO16
	Sample Name	Ref11-SO17-00-06	Ref11-Dup15-11/13/13	REF08-SO15-00-06	REF14-SO01-00-06	REF14-SO05-00-06	REF13-SO16-00-06
	Sample Depth	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in	0 - 6 in
Analyte	**Units**						
Fluorene	mg/kg	0.0049 U	0.0037 U	0.051 J H	0.050 U	0.037 U	0.010 U
Indeno[1,2,3-cd]pyrene	mg/kg	0.054	0.057	0.40 H	1.0	0.78	0.13
Naphthalene	mg/kg	0.0049 U	0.0037 U	0.072 J H	0.050 U	0.037 U	0.010 U
Perylene	mg/kg	0.016	0.018	0.058 J H	0.30	0.26	0.057
Phenanthrene	mg/kg	0.052	0.035	2.6 H	0.24	0.14	0.021
Pyrene	mg/kg	0.11	0.11	1.8 H	1.3	0.78	0.29
Total Conc	mg/kg	1.2521	1.2347	14.939	18.581	13.547	3.495
Black Carbon	mg/kg	1000 U	1000 U	1000 U	2890	1000 U	1000 U
TOC	mg/kg	15500	18900	13700 H	21500	12100	10700

shading = detected analyte
J = Indicates an Estimated Value for TICs.
H = Sample was prepped or analyzed beyond the specified holding time.
U = Indicates the analyte was analyzed for but not detected. Value presented is the method detection limit.

Table 6. Analytical Results for Supplemental Analyses

	County	Sussex County
	Site Type	Urban
	Reference Area	Williams Pond Park
	Sample Location	REF13-SO18
	Sample Name	REF13-SO18-00-06
	Sample Depth	0 - 6 in
Analyte	**Units**	
1-Methylnaphthalene	mg/kg	0.0047 U
2-Methylnaphthalene	mg/kg	0.0047 U
Acenaphthene	mg/kg	0.0047 U
Acenaphthylene	mg/kg	0.0047 U
Anthracene	mg/kg	0.088
Benzo[a]anthracene	mg/kg	0.15
Benzo[a]pyrene	mg/kg	0.14
Benzo[b]fluoranthene	mg/kg	0.16
Benzo[e]pyrene	mg/kg	0.0047 U
Benzo[g,h,i]perylene	mg/kg	0.17
Benzo[k]fluoranthene	mg/kg	0.15
C1-Chrysenes	mg/kg	0.0047 U
C1-Fluoranthenes/pyrene	mg/kg	0.0047 U
C1-Fluorenes	mg/kg	0.0047 U
C1-Naphthalenes	mg/kg	0.0047 U
C1-Phenanthrenes/Anthracenes	mg/kg	0.0047 U
C2-Chrysenes	mg/kg	0.0047 U
C2-Fluoranthenes/Pyrene	mg/kg	0.0047 U
C2-Fluorenes	mg/kg	0.0047 U
C2-Naphthalenes	mg/kg	0.0047 U
C2-Phenanthrenes/Anthracenes	mg/kg	0.0047 U
C3-Chrysenes	mg/kg	0.0047 U
C3-Fluoranthenes/Pyrene	mg/kg	0.0047 U
C3-Fluorenes	mg/kg	0.0047 U
C3-Naphthalenes	mg/kg	0.0047 U
C3-Phenanthrenes/Anthracenes	mg/kg	0.0047 U
C4-Chrysenes	mg/kg	0.0047 U
C4-Naphthalenes	mg/kg	0.0047 U
C4-Phenanthrenes/Anthracenes	mg/kg	0.0047 U
Chrysene	mg/kg	0.14
Dibenz(a,h)anthracene	mg/kg	0.17
Dibenzothiophene	mg/kg	0.0047 U
Fluoranthene	mg/kg	0.13

Table 6. Analytical Results for Supplemental Analyses

	County	Sussex County
	Site Type	Urban
	Reference Area	Williams Pond Park
	Sample Location	REF13-SO18
	Sample Name	REF13-SO18-00-06
	Sample Depth	0 - 6 in
Analyte	**Units**	
Fluorene	mg/kg	0.029
Indeno[1,2,3-cd]pyrene	mg/kg	0.16
Naphthalene	mg/kg	0.0047 U
Perylene	mg/kg	0.0047 U
Phenanthrene	mg/kg	0.089
Pyrene	mg/kg	0.11
Total Conc	mg/kg	1.686
Black Carbon	mg/kg	2090
TOC	mg/kg	31200

shading = detected analyte
J = Indicates an Estimated Value for TICs.
H = Sample was prepped or analyzed beyond the specified holding time.
U = Indicates the analyte was analyzed for but not detected. Value presented is the method detection limit.

Table 7. Summary Statistics of PAH Concentrations in Surface Soil Samples

PAH	Unit	No. of Samples	No. Detected	Min Value (includes RLs)	Max Value (includes RLs)	Range of Min and Max Values	Minimum Detected Value	Maximum Detected Value	25th Quartile	75th Quartile	Mean	Median
2-chloronaphthalene	ug/kg	256	0	340	490	150	NA	NA	NA	NA	NA	NA
2-methylnaphthalene	ug/kg	256	0	3.3	490	487	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	256	3.0	3.3	490	487	6.4	9.5	NA	NA	NA	NA
Acenaphthylene	ug/kg	256	10	4.7	490	485	5.6	340	360	410	370	380
Anthracene	ug/kg	256	13	7.2	490	483	7.2	88	365	410	370	380
Benzo[a]anthracene	ug/kg	256	43	12	820	808	12	820	37	42	55	39
Benzo[a]pyrene	ug/kg	256	75	5.1	1,600	1,595	5.1	1,600	36	42	63	38
Benzo[b]fluoranthene	ug/kg	256	88	6.4	1,200	1,194	6.4	1,200	36	42	69	38
Benzo[g,h,i]perylene	ug/kg	256	35	27	1,500	1,473	27	1,500	360	410	366	380
Benzo[k]fluoranthene	ug/kg	256	44	6.3	1,300	1,294	6.3	1,300	37	42	58	38
Chrysene	ug/kg	256	33	43	1,100	1,057	43	1,100	360	410	371	380
Dibenz[a,h]anthracene	ug/kg	256	33	4.8	320	315	4.8	320	36	41	41	38
Fluoranthene	ug/kg	256	40	28	1,200	1,172	28	1,200	360	410	370	380
Fluorene	ug/kg	256	2.0	3.3	490	487	7.4	29	NA	NA	NA	NA
Indeno[1,2,3-c,d]pyrene	ug/kg	256	52	7.6	1,000	992	7.6	1,000	37	42	58	39
Naphthalene	ug/kg	256	0	3.3	490	487	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/kg	256	21	5.0	1,300	1,295	5.0	1,300	360	410	371	380
Pyrene	ug/kg	256	53	32	1,300	1,268	32	1,300	360	410	352	380

1. Adjusted UCL and UTL limits computed from the 10% trimmed dataset.

Table 7. Summary Statistics of PAH Concentrations in Surface Soil Samples

PAH	Unit	Mode	Geomean	Variance	Std. Dev.	CV (%)	Std. Error of Mean	95% UCL of Mean	Adjusted 95% UCL of Mean [1]	95% UTL with 90% Coverage	Adjusted 95% UTL with 90% Coverage [1]
2-chloronaphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-methylnaphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ug/kg	370	328	7,158	85	23	5	379	387	491	NA
Anthracene	ug/kg	370	334	7,255	85	23	5	378	387	491	NA
Benzo[a]anthracene	ug/kg	37	43	6,686	82	150	5	63	40	171	45
Benzo[a]pyrene	ug/kg	36	40	19,767	141	225	9	77	40	263	55
Benzo[b]fluoranthene	ug/kg	37	42	20,241	142	205	9	84	43	273	74
Benzo[g,h,i]perylene	ug/kg	370	329	17,379	132	36	8	380	391	554	NA
Benzo[k]fluoranthene	ug/kg	36	42	12,635	112	195	7	69	40	218	46
Chrysene	ug/kg	370	346	12,016	110	30	7	382	389	528	NA
Dibenz[a,h]anthracene	ug/kg	37	37	739	27	66	2	44	39	80	43
Fluoranthene	ug/kg	370	336	17,998	134	36	8	383	390	561	NA
Fluorene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-c,d]pyrene	ug/kg	37	42	10,978	105	180	7	69	40	208	48
Naphthalene	ug/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/kg	370	343	10,432	102	28	6	381	387	517	NA
Pyrene	ug/kg	360	301	22,632	150	43	9	368	378	567	NA

1. Adjusted UCL and UTL limits computed from the 10% trimmed dataset.

Figure 13. Box plot analysis of detected high molecular weight PAHs (state-wide pooled data).
Boxes show 25th percentile, median, and 75th percentile of the data. The whiskers indicate the 5th and 95th percentiles. Detected sample results exceeding the 99th percentile are shown as symbols (•).

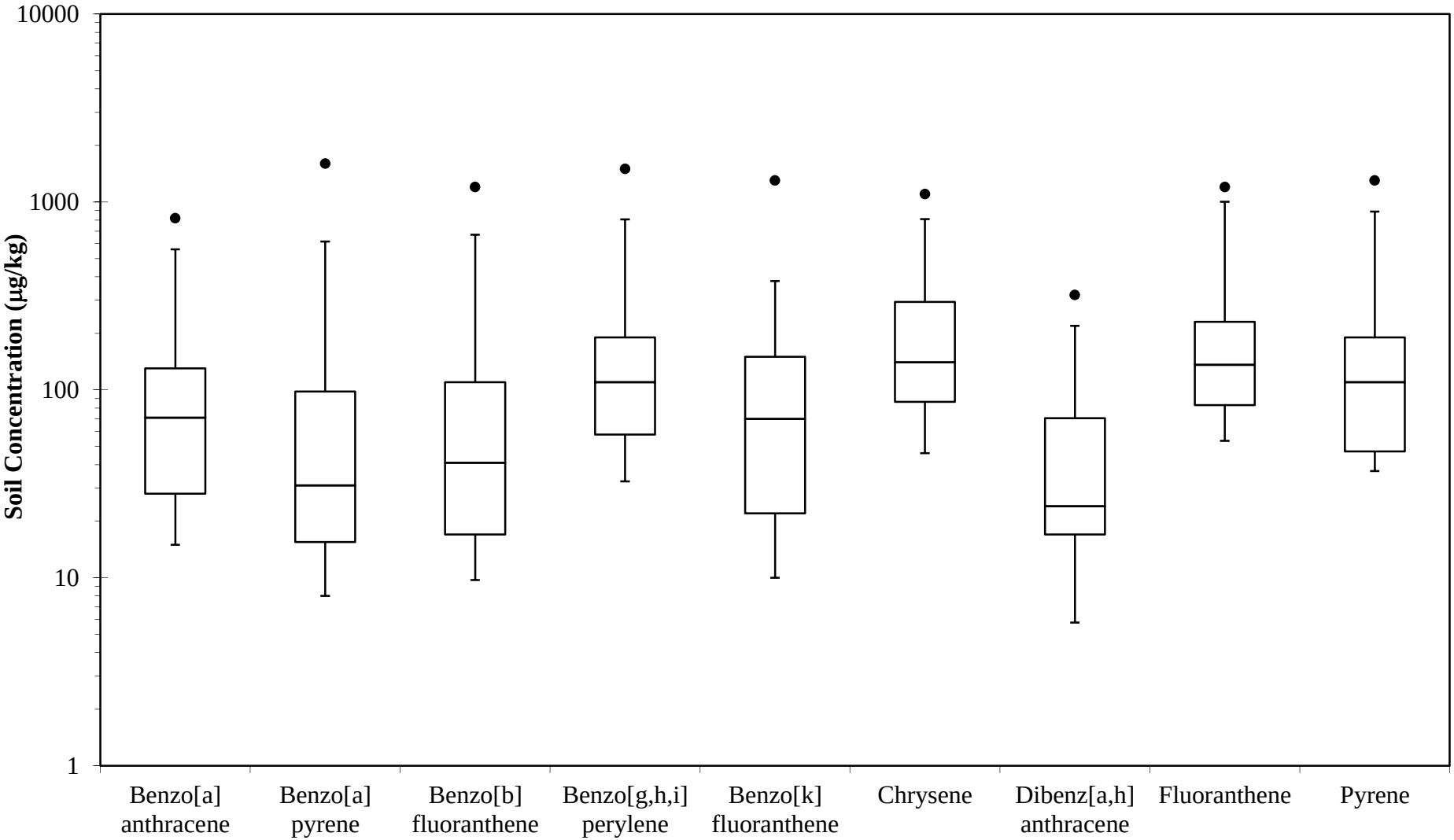


Figure 14. Box plot analysis of detected low molecular weight PAHs (state-wide pooled data).
Boxes show 25th percentile, median, and 75th percentile of the data. The whiskers indicate the 5th and 95th percentiles. Detected sample results exceeding the 99th percentile are shown as symbols (•).

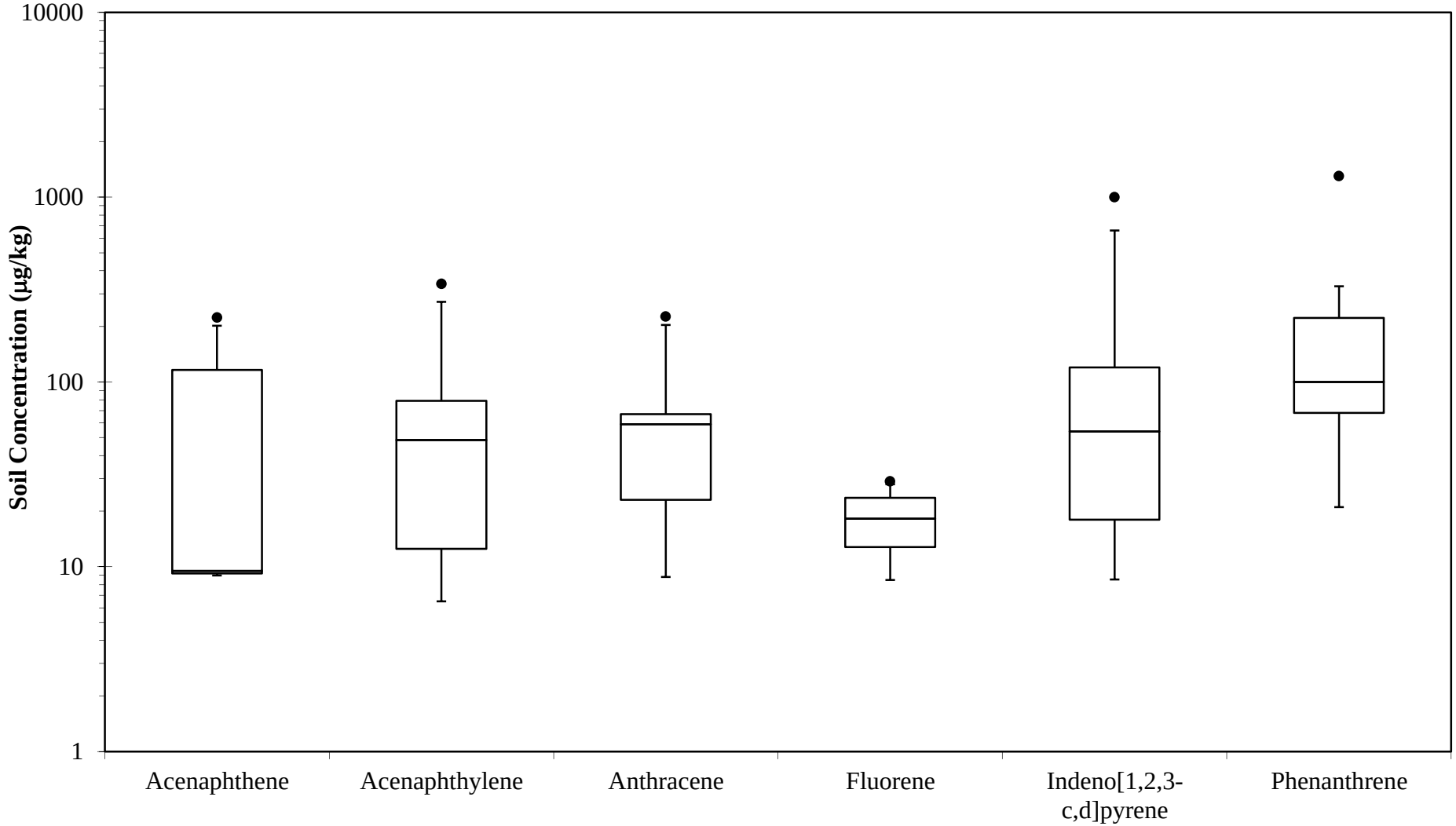
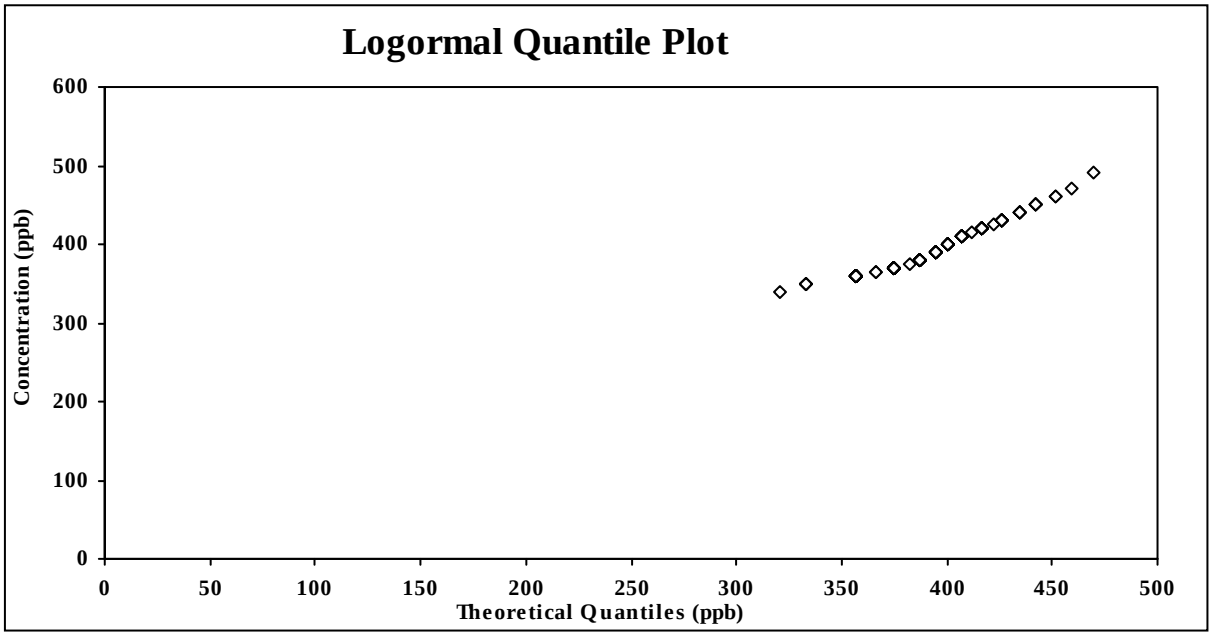
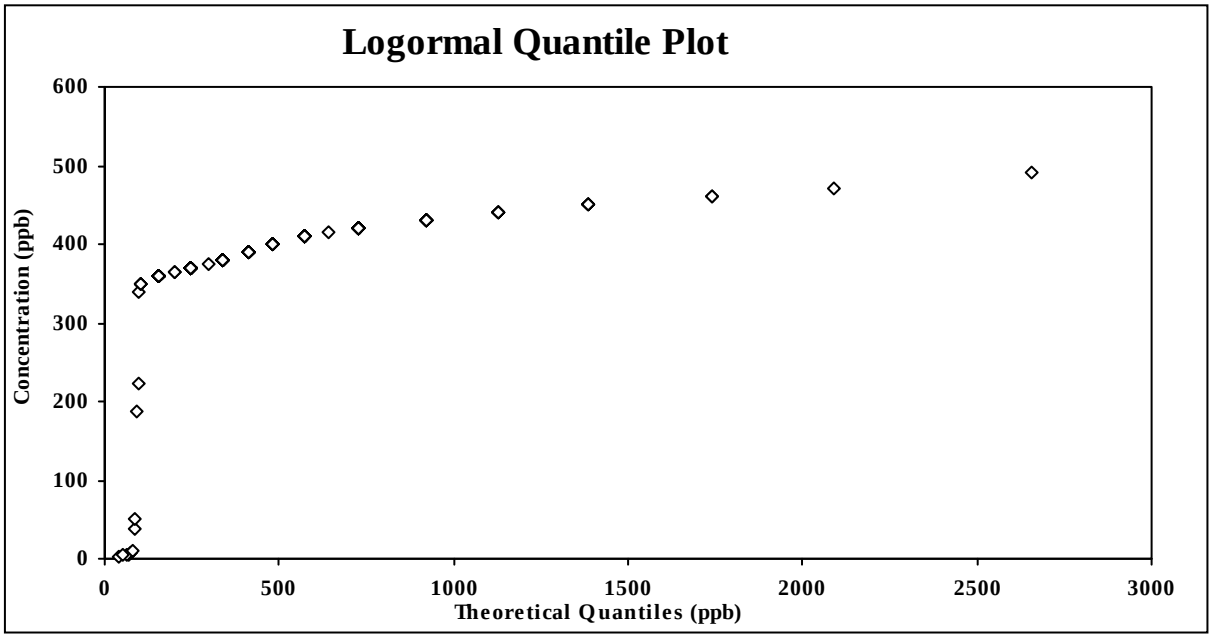


Figure 15
Quantile Plots of Pooled Data

PAH: 2-chloronaphthalene



PAH: 2-methylnaphthalene

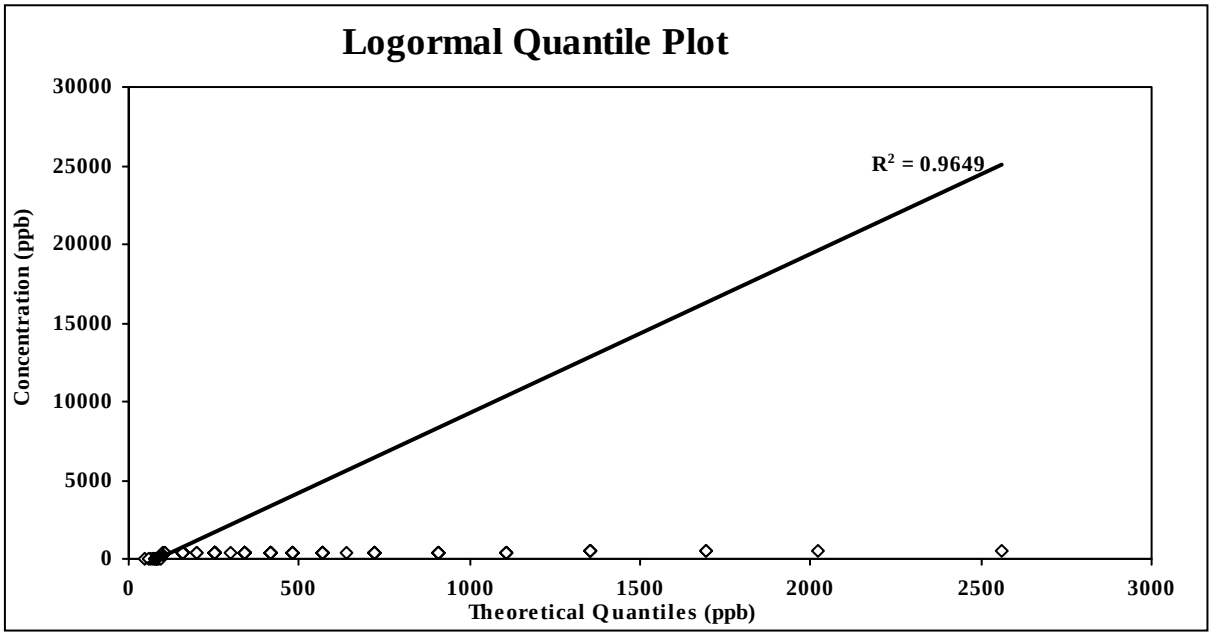


Notes:

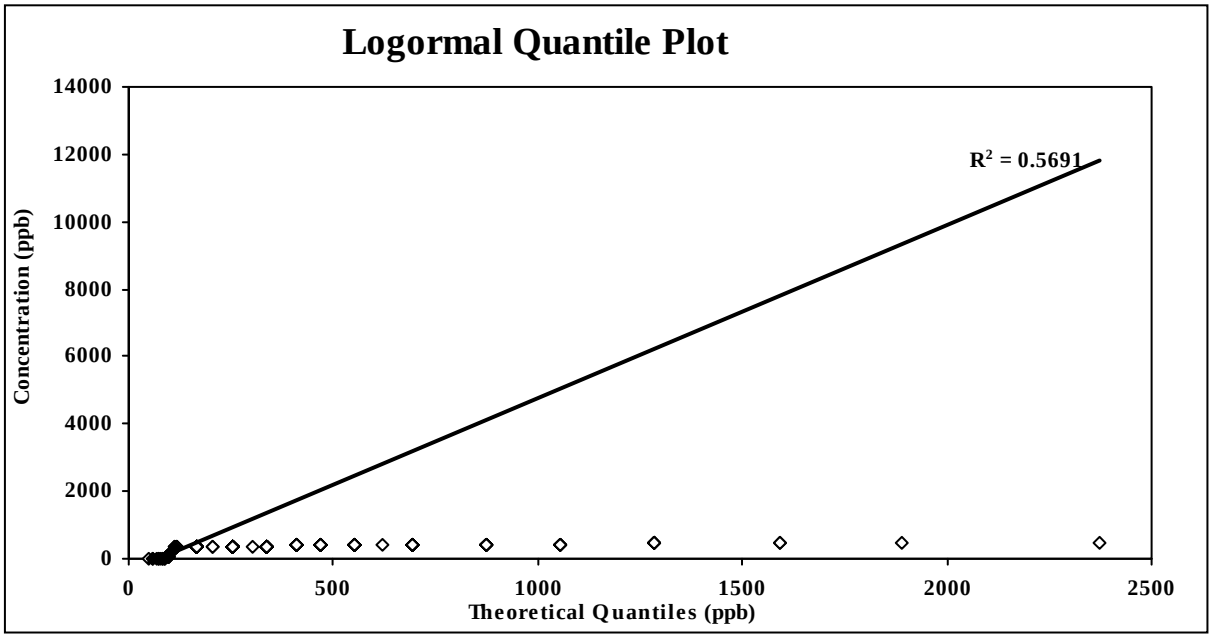
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Acenaphthene



PAH: Acenaphthylene

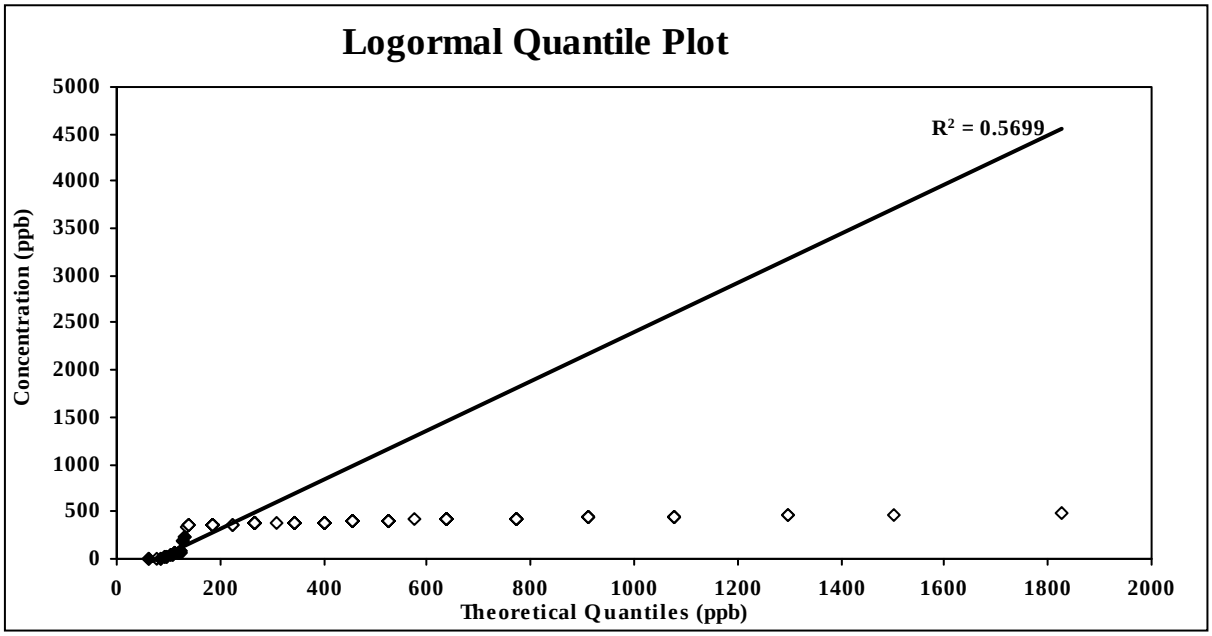


Notes:

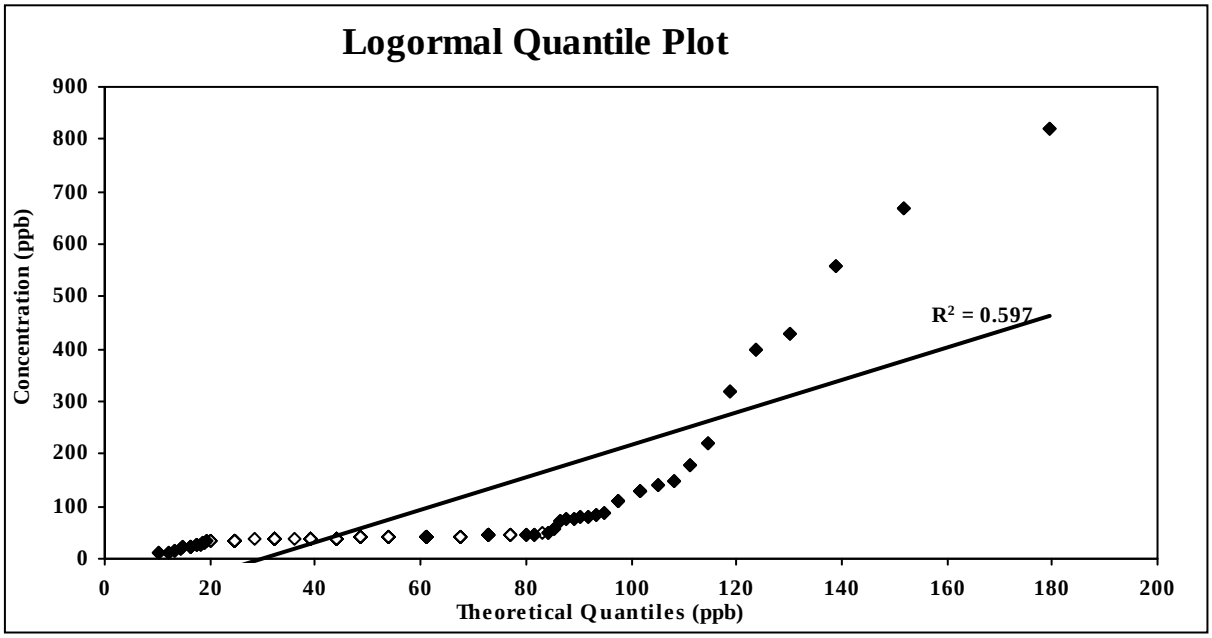
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Anthracene



PAH: Benzo[a]anthracene

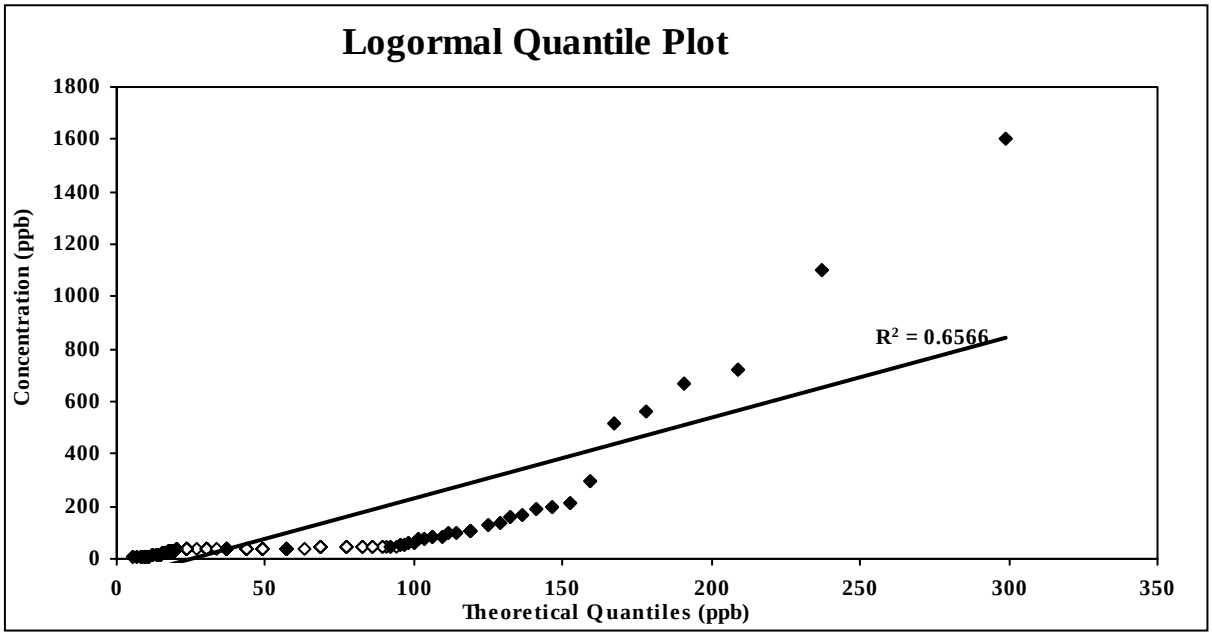


Notes:

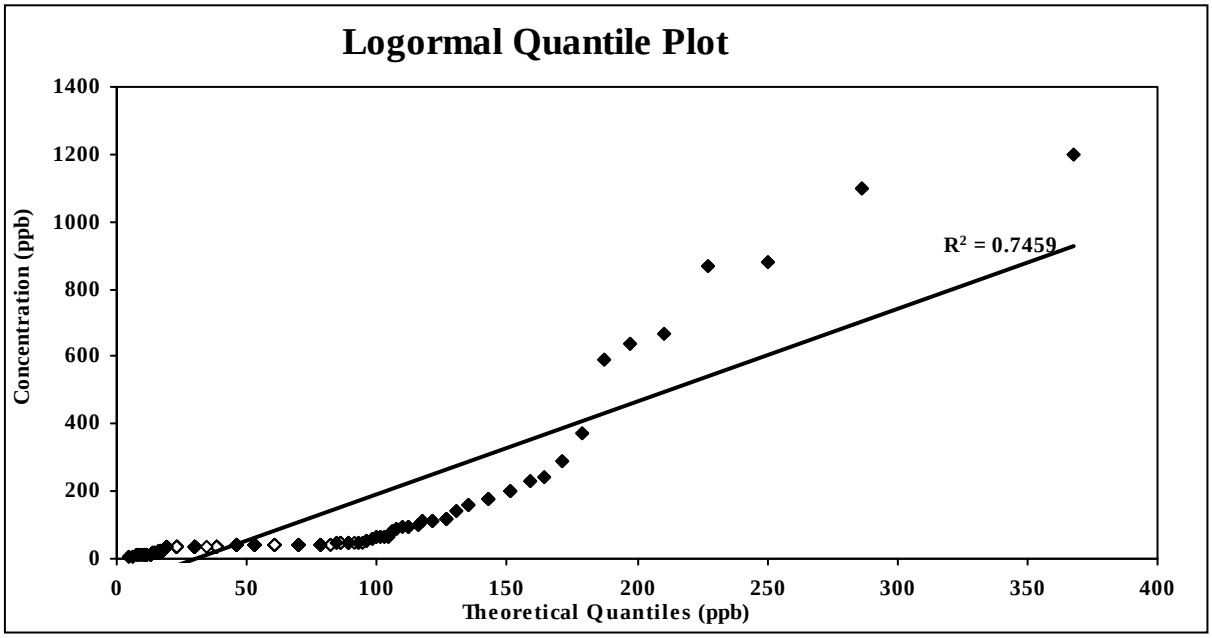
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Benzo[a]pyrene



PAH: Benzo[b]fluoranthene

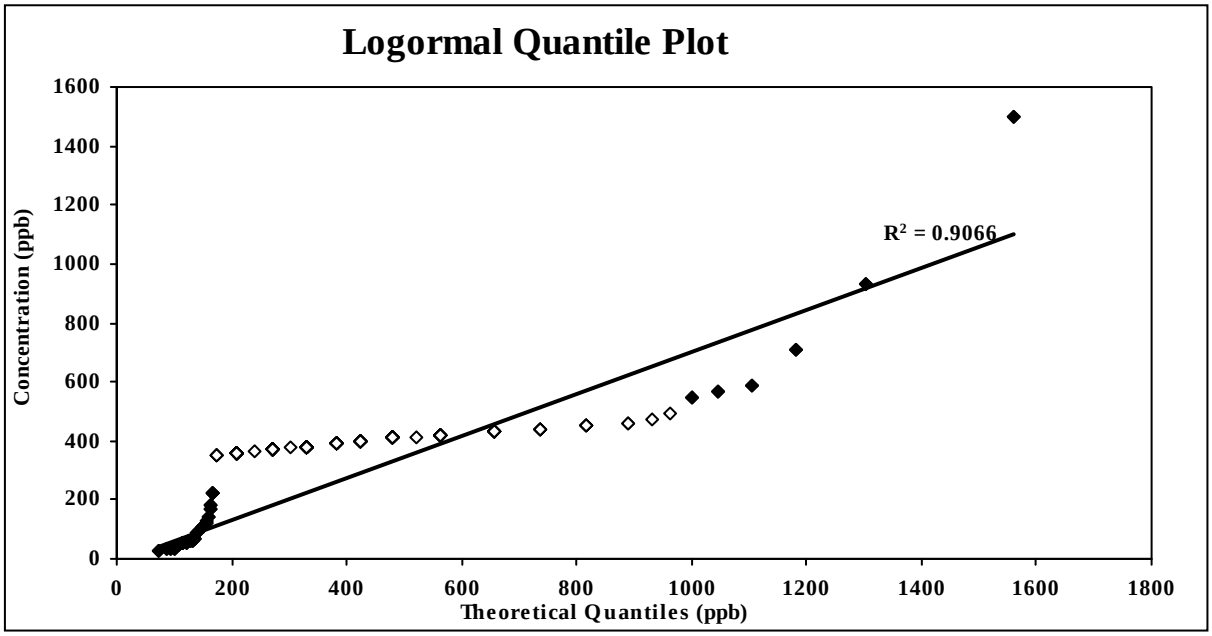


Notes:

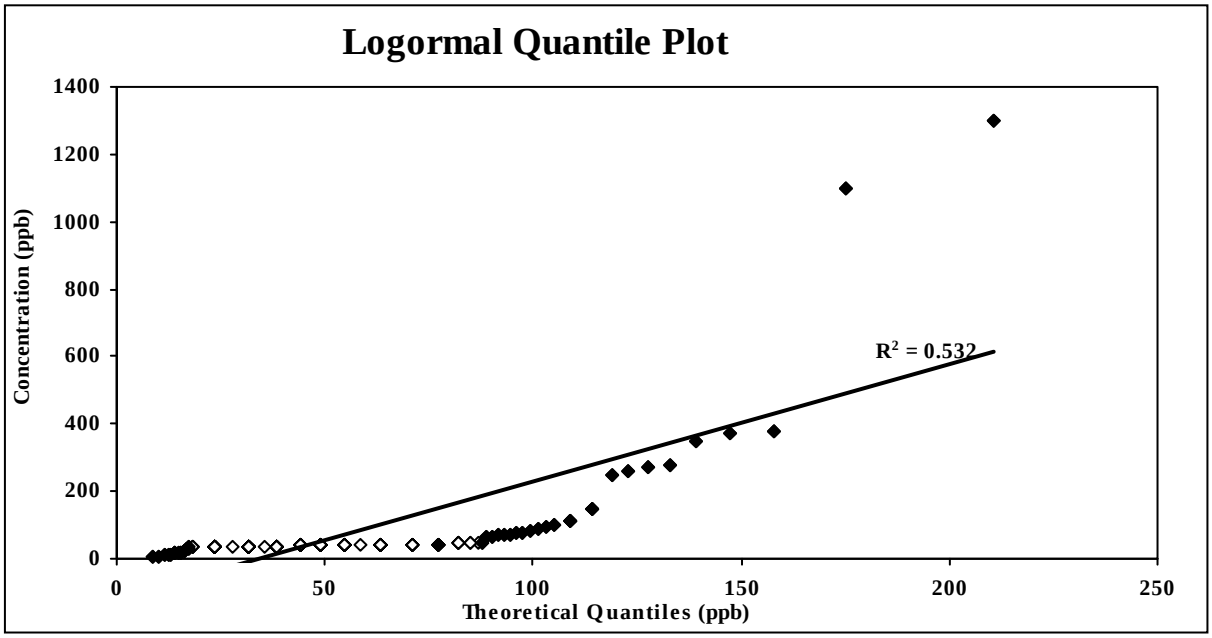
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Benzo[g,h,i]perylene



PAH: Benzo[k]fluoranthene

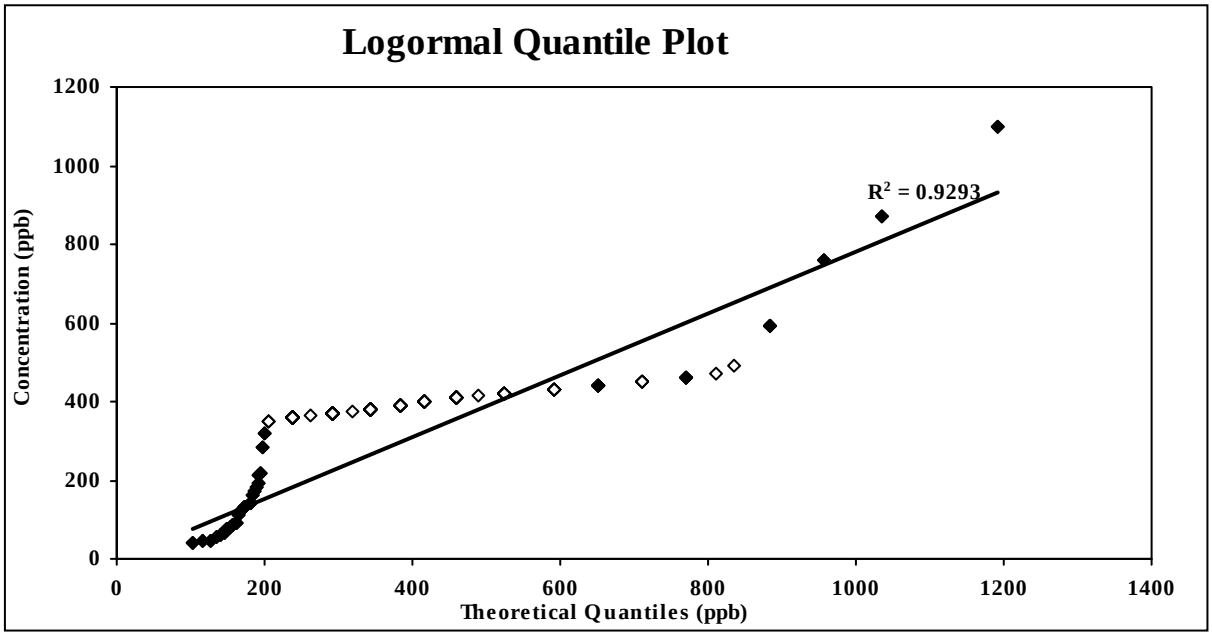


Notes:

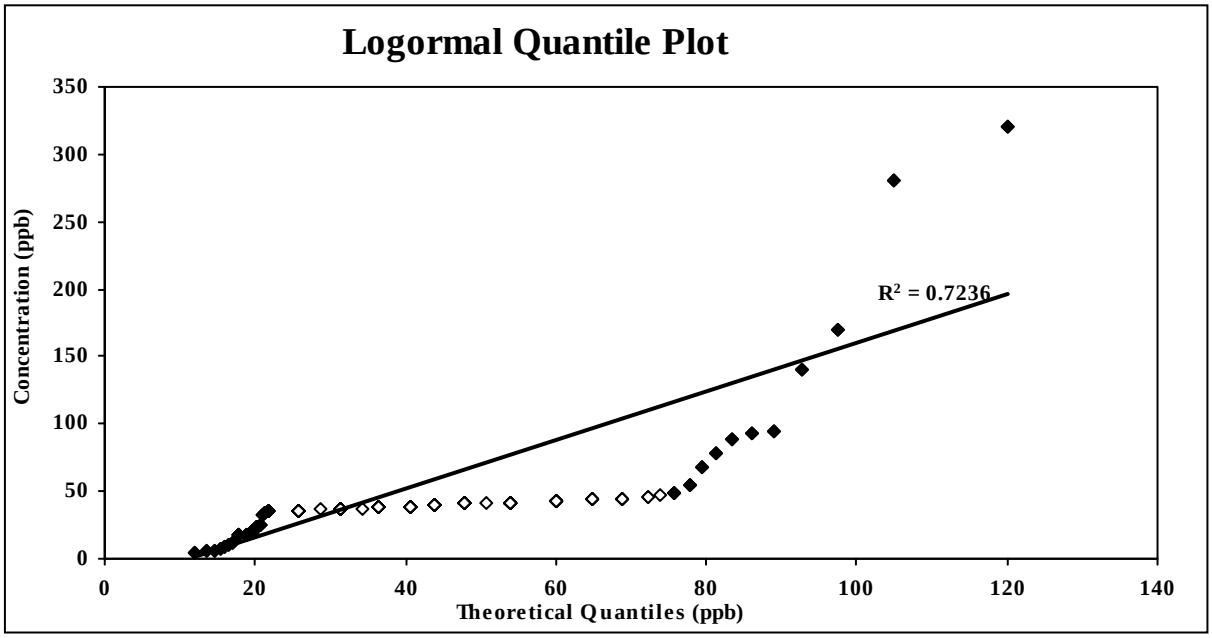
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Chrysene



PAH: Dibenz[a,h]anthracene

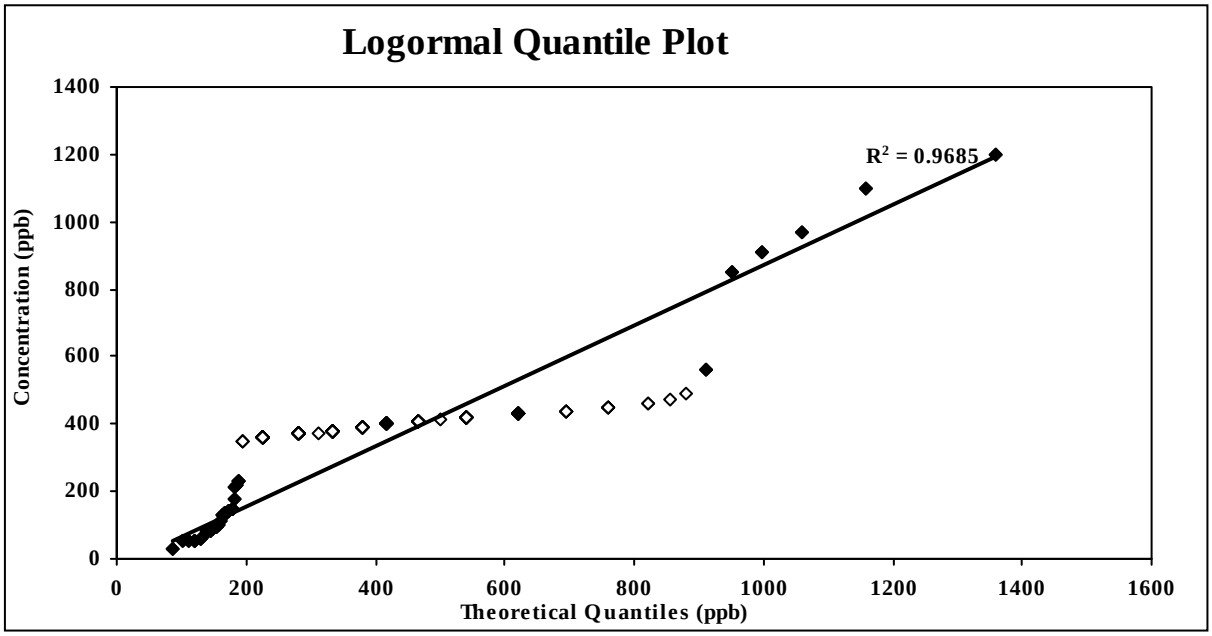


Notes:

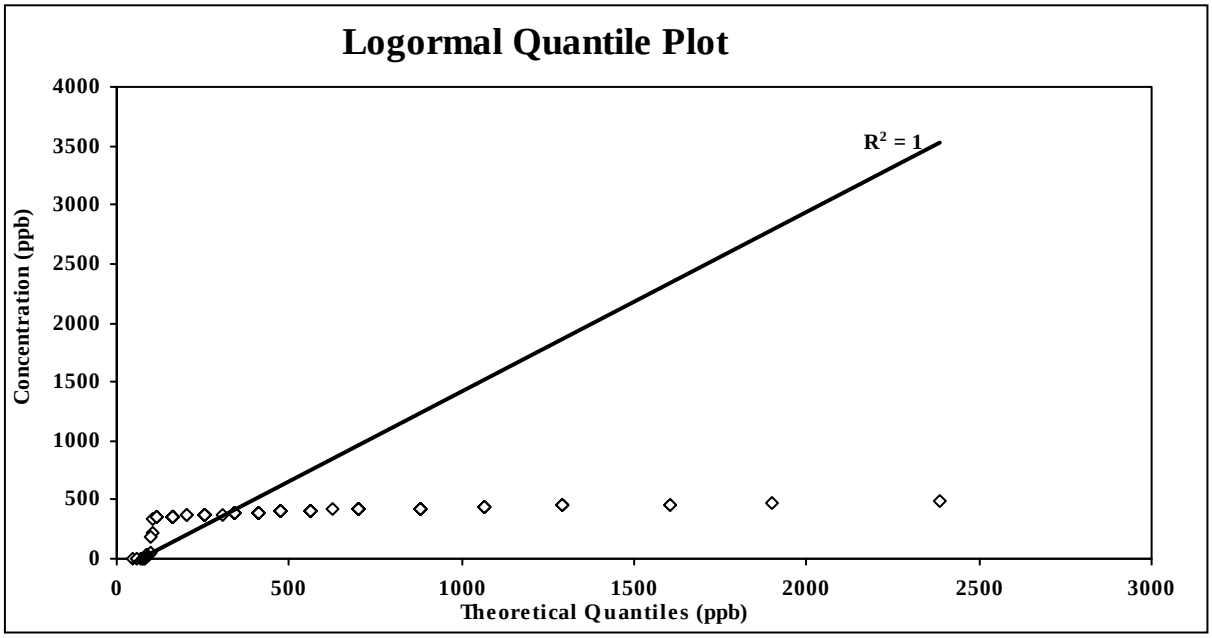
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Fluoranthene



PAH: Fluorene

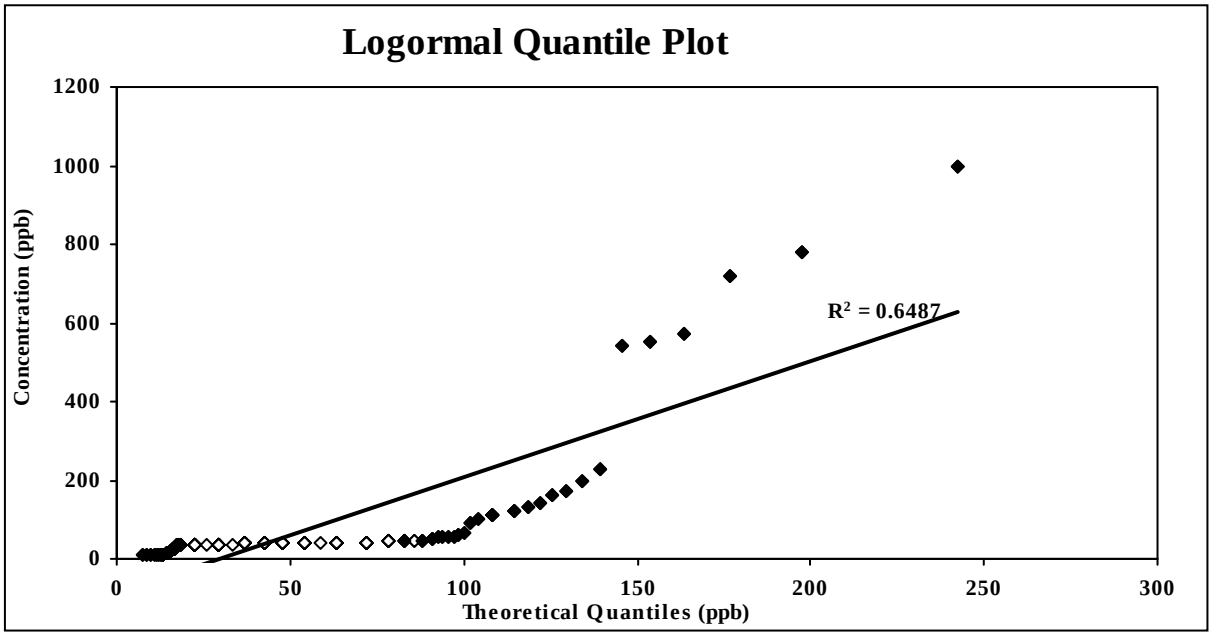


Notes:

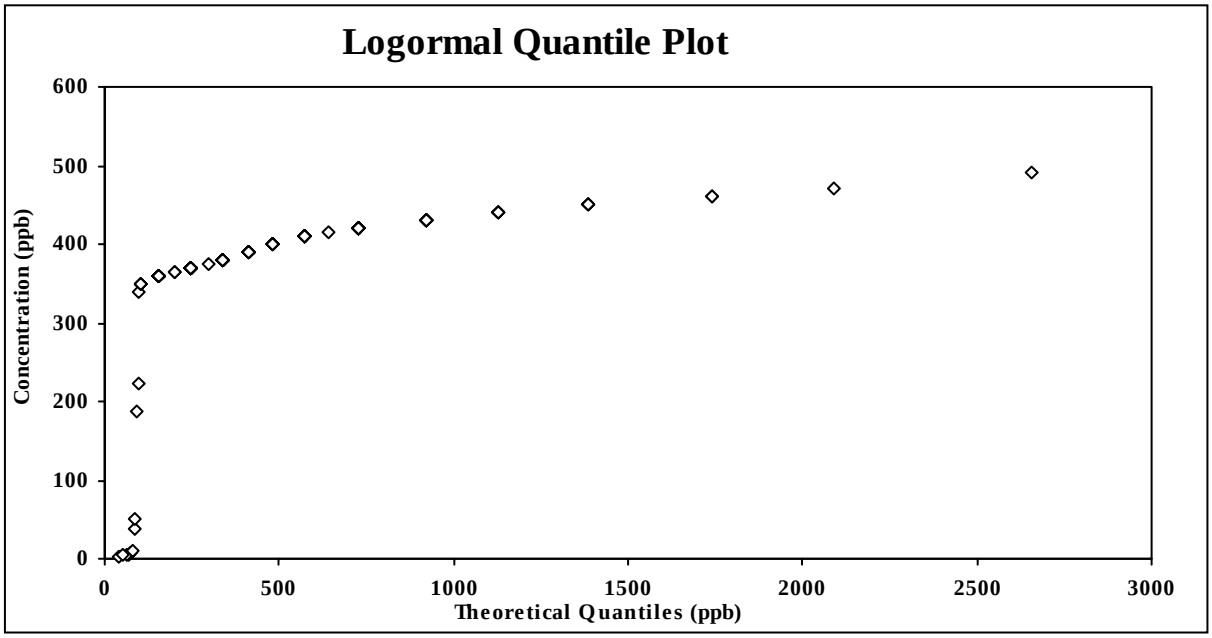
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Indeno[1,2,3-c,d]pyrene



PAH: Naphthalene

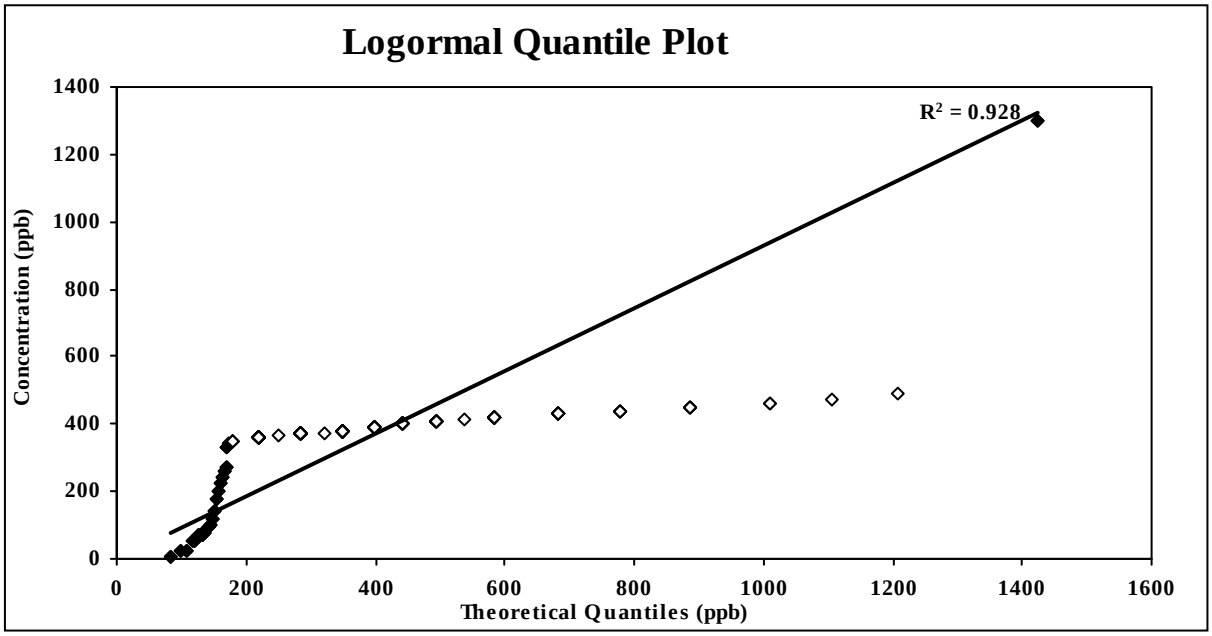


Notes:

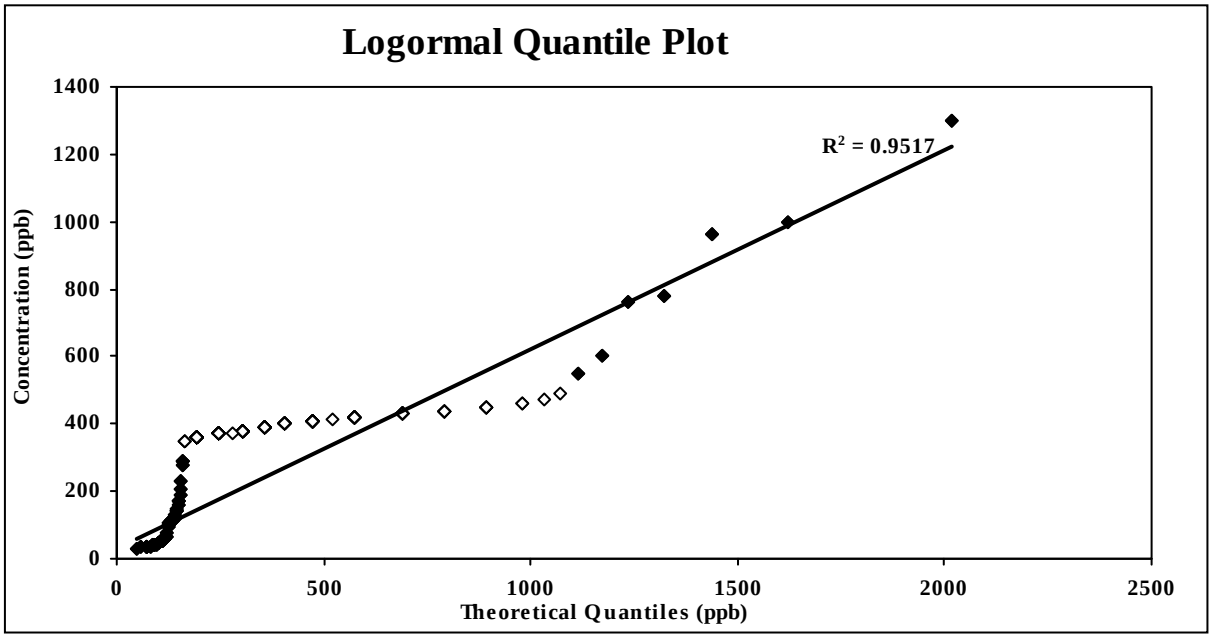
1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

Figure 15 (cont.)
Quantile Plots of Pooled Data

PAH: Phenanthrene



PAH: Pyrene



Notes:

1) Open symbols denote non-detects.
2) The line of best fit and coefficient of determiantion (R-squared) is shown for detected values only.

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