



An Exelon Company

Appendix Y

Historical AST Area Sampling Results

AST Total Petroleum Hydrocarbons Analytical Data Summary
January 2012 Sampling Event
PEPCO Benning Road Generating Facility

Sample Number	Depth	<i>Total Petroleum Hydrocarbons</i>	
		Gasoline-Range Organics (mg/kg)	Diesel-Range Organics (mg/kg)
AST1A	0-1'	104	<10
AST1A	3-4'	<5	<10
AST1B	0-1'	<5	<10
AST1B	3-4'	<5	<10
AST1C	0-1'	<5	<10
AST1C	3-4'	<5	<10
AST2A	0-1'	<5	59.0
AST2A	3-4'	<5	<10
AST2B	0-1'	<5	13.6
AST2B	3-4'	<5	<10
AST2C	0-1'	<5	<10
AST2C	3-4'	<5	<10
AST3A	0-1'	<5	9510
AST3A	3-4'	<5	357
AST3B	0-1'	<5	<10
AST3B	3-4'	<5	13.2
AST3C	0-1'	<5	<10
AST3C	3-4'	<5	<10
SB1	0-1'	<5	40.0
SB1	3-4'	<5	99.3
SB2	0-1'	<5	<10
SB2	3-4'	<5	<10
SB3	0-1'	<5	207
SB3	3-4'	<5	13.8
SB4	0-1'	<5	27.4
SB4	3-4'	<5	32.2
SB5	0-1'	<5	46.9
SB5	3-4'	<5	10.8

**AST Analytical Data Summary
January 2012 Sampling Event
PEPCO Benning Road Generating Facility**

Analyte	Unit	AST1A (0-1') Soil	AST3A (0-1') Soil	AST3A (3-4') Soil	SB1 (3-4') Soil	SB3 (0-1') Soil
<i>Metals</i>						
arsenic	mg/kg	29.4	0.671	2.38	5.64	12.7
barium	mg/kg	502	6.86	34.9	55.3	72.1
cadmium	mg/kg	<0.5	0.624	0.692	0.991	1.22
chromium	mg/kg	10.9	122	14.3	15.8	11.6
lead	mg/kg	9.63	5.44	20.5	54.4	113
mercury	mg/kg	<0.008	<0.008	0.064	0.076	0.089
<i>Semi-Volatile Organic Compounds</i>						
anthracene	ug/kg	<1000	<500	<1000	594	<1000
benzo (a) anthracine	ug/kg	1710	<500	<1000	1880	<1000
benzo (b) fluoanthene	ug/kg	<1000	<500	<1000	1690	<1000
benzo (a) pyrene	ug/kg	<1000	<500	<1000	1370	<1000
chrysene	ug/kg	2380	<500	<1000	1750	<1000
fluorine	ug/kg	<1000	<500	<1000	4030	<1000
phenanthrene	ug/kg	<1000	<500	1150	2680	<1000
pyrene	ug/kg	9000	<500	1980	3610	<1000
<i>PCBs</i>						
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	1.4

Aboveground Storage Tanks (ASTs) Sampling Locations



⊕ Soil Boring

