

Appendix E

Laboratory Raw Data (CD)



Client:	AECOM
Project Name:	BBNPP
Project Location:	Berwick, PA
GTX #:	10318
Test Date:	10/26/10 - 11/05/10
Tested By:	jbr / jef
Checked By:	jdt

Moisture Content (ASTM D 2216) and Grain Size Summary (ASTM D 422)

Sample ID	Test ID	Moisture Content, %	Grain Size			Percent Finer than Designated Sieve Size, %												
			Gravel, %	Sand, %	Fines, %	1.5-inch Sieve	1-inch Sieve	3/4-inch Sieve	1/2-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 20 Sieve	No. 40 Sieve	No. 60 Sieve	No. 100 Sieve	No. 200 Sieve	0.002 mm (clay)
CW1	195527	22.9	2.7	33.4	63.9	---	---	---	---	100	97	92	89	86	83	76	64	4
CW2	195528	21.8	3.8	38.3	57.9	---	---	---	100	96	96	95	94	93	91	83	58	2
CW3	195529	18.5	0.7	52.2	47.1	---	---	---	---	100	99	97	96	95	94	81	47	3
CW4	195549	26.5	0.0	50.1	49.9	---	---	---	---	---	100	100	100	99	94	79	50	2
CW5	195537	23.5	0.6	28.7	70.7	---	---	---	---	100	99	98	96	95	94	88	71	3
CW6	195530	23.6	28.9	25.0	46.1	---	100	89	84	75	71	70	68	67	66	62	46	1
CW7	195550	24.2	1.6	33.8	64.6	---	---	---	---	100	98	98	97	97	95	87	65	1
CW8	195538	24.2	0.0	32.5	67.5	---	---	---	---	---	100	99	98	97	96	89	67	1
CW9	195531	16.6	7.9	39.4	52.7	---	---	---	---	100	92	89	87	86	84	76	53	2
CW9-FD	195532	16.6	11.4	36.8	51.8	---	---	100	95	95	89	86	86	84	83	76	52	1
CW10	195551	21.0	0.0	50.7	49.3	---	---	---	---	---	100	100	99	99	95	80	49	1
CW11	195539	19.6	41.0	22.3	36.7	---	---	100	91	84	59	55	54	53	53	49	37	2
CW12	195533	20.1	0.5	50.6	48.9	---	---	---	---	100	100	99	98	97	94	80	49	4
CW13	195552	26.8	12.4	42.4	45.2	---	---	100	94	94	88	87	86	85	81	68	45	1
CW14	195540	19.5	4.0	43.9	52.1	---	---	---	---	100	96	94	92	92	90	81	52	1
CW15	195534	22.8	5.9	86.2	7.9	---	---	---	---	100	94	82	89	74	34	14	8	0
CW16	195553	21.8	6.2	42.5	51.3	---	---	---	---	100	94	87	84	81	77	68	51	1
CW17	195541	22.1	1.6	50.2	48.2	---	---	---	---	100	98	97	96	95	91	79	48	1
CW18	195535	14.6	0.0	66.2	33.8	---	---	---	---	---	100	99	97	92	76	61	34	2
CW19	195554	30.8	1.3	30.4	68.3	---	---	---	---	100	99	96	94	91	87	81	68	6
CW20	195542	18.6	6.3	77.5	16.2	---	---	---	100	95	94	86	77	65	50	37	16	0
CW20-FD	195544	28.1	4.2	52.0	43.8	---	---	---	---	100	96	91	85	77	67	59	44	1
CW21	195536	25.5	3.3	30.6	66.1	---	---	---	---	100	97	96	94	91	87	84	66	2
CW22	195776	16.1	6.0	55.0	39.0	---	---	---	---	100	94	88	81	74	66	54	39	1
CW23	195543	18.1	4.3	18.5	77.2	---	---	---	---	100	96	93	92	91	90	87	77	1
D1	195546	8.0	21.5	34.2	44.3	---	---	100	89	84	78	73	66	62	57	51	44	7
D1-FD	195555	12.7	25.2	35.7	39.1	---	---	100	88	80	75	68	62	57	53	46	39	4
D2	195545	16.1	41.7	14.2	44.1	100	61	61	61	59	58	57	56	53	49	47	44	2
Ref	195547	12.0	28.7	34.6	36.7	---	100	71	71	71	71	71	71	71	69	61	37	1



Client: AECOM	Project No: GTX-10318
Project: BBNPP	Tested By: jef
Location: Berwick, PA	Checked By: jdt
Boring ID: ---	Sample Type: ---
Sample ID: ---	Test Date: 11/05/10
Depth : ---	Sample Id: ---

Moisture Content of Soil - ASTM D 2216-05

Boring ID	Sample ID	Depth	Description	Moisture Content, %
---	BBNPP-CW-1-C	---	Moist, brown sandy silt	22.9
---	BBNPP-CW-2-C	---	Moist, brown sandy silt	21.8
---	BBNPP-CW-3-C	---	Moist, brown silty sand	18.5
---	BBNPP-CW-4-C	---	Moist, brown silty sand	26.5
---	BBNPP-CW-5-C	---	Moist, brown silt with sand	23.5
---	BBNPP-CW-6-C	---	Moist, brown silt with sand and gravel	23.6
---	BBNPP-CW-7-C	---	Moist, brown sandy silt	24.2
---	BBNPP-CW-8-C	---	Moist, brown sandy silt	24.2
---	BBNPP-CW-9-C	---	Moist, brown sandy silt	16.6
---	BBNPP-CW-9-C-FD	---	Moist, brown sandy silt	16.6

Notes: Temperature of Drying : 110° Celsius



Client: AECOM	Project No: GTX-10318
Project: BBNPP	
Location: Berwick, PA	
Boring ID: ---	Sample Type: ---
Sample ID: ---	Test Date: 11/05/10
Depth : ---	Sample Id: ---
	Tested By: jef
	Checked By: jdt

Moisture Content of Soil - ASTM D 2216-05

Boring ID	Sample ID	Depth	Description	Moisture Content, %
---	BBNPP-CW-10-C	---	Moist, brown silty sand	21
---	BBNPP-CW-11-C	---	Moist, brown silty gravel with sand	19.6
---	BBNPP-CW-12-C	---	Moist, brown silty sand	20.1
---	BBNPP-CW-13-C	---	Moist, brown silty sand	26.8
---	BBNPP-CW-14-C	---	Moist, brown sandy silt	19.5
---	BBNPP-CW-15-C	---	Moist, brown sand with silt	22.8
---	BBNPP-CW-16-C	---	Moist, brown sandy silt	21.8
---	BBNPP-CW-17-C	---	Moist, dark brown silty sand	22.1
---	BBNPP-CW-18-C	---	Moist, brown silty sand	14.6
---	BBNPP-CW-19-C	---	Moist, brown sandy silt	30.8

Notes: Temperature of Drying : 110° Celsius



Client: AECOM	Project No: GTX-10318
Project: BBNPP	
Location: Berwick, PA	
Boring ID: ---	Sample Type: ---
Sample ID: ---	Test Date: 11/05/10
Depth: ---	Sample Id: ---
	Tested By: jef
	Checked By: jdt

Moisture Content of Soil - ASTM D 2216-05

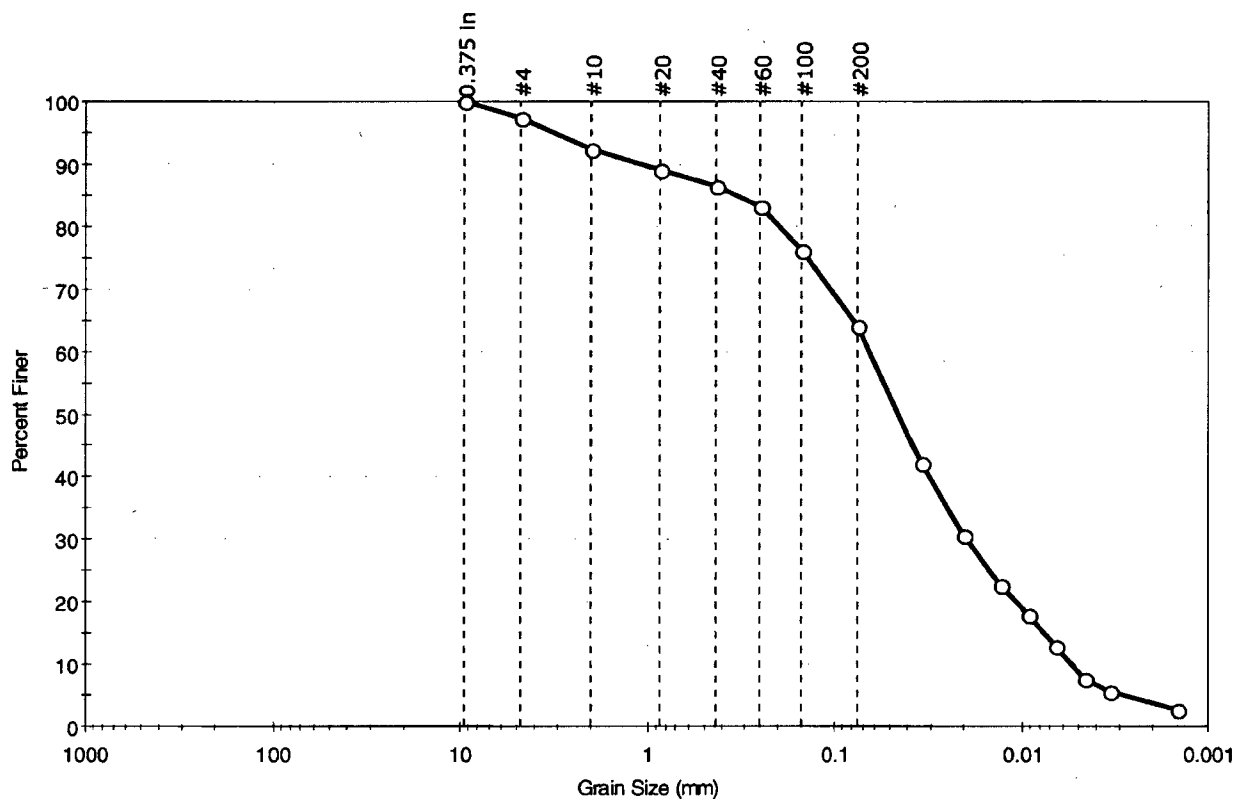
Boring ID	Sample ID	Depth	Description	Moisture Content, %
---	BBNPP-CW-20-C	---	Moist, brown silty sand	18.6
---	BBNPP-CW-20-C-FD	---	Moist, brown silty sand	28.1
---	BBNPP-CW-21-C	---	Moist, brown sandy silt	25.5
---	BBNPP-CW-22-C	---	Moist, brown silty sand	16.1
---	BBNPP-CW-23-C	---	Moist, brown silt with sand	18.1
---	BBNPP-D1-C	---	Moist, brown sandy silt with gravel	8
---	BBNPP-D1-C-FD	---	Moist brown silty sand with gravel	12.7
---	BBNPP-D2	---	Moist, brown silty gravel	16.1
---	BBNPP-R-C	---	Moist, brown silty sand with gravel	12

Notes: Temperature of Drying : 110° Celsius



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-1-C	Test Date: 10/28/10	Test Id: 195527	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	2.7	33.4	63.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	97		
#10	2.00	92		
#20	0.85	89		
#40	0.42	86		
#60	0.25	83		
#100	0.15	76		
#200	0.075	64		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0342	42		
---	0.0202	31		
---	0.0127	23		
---	0.0093	18		
---	0.0066	13		
---	0.0046	8		
---	0.0034	6		
---	0.0015	3		

Coefficients

D ₈₅ = 0.3328 mm	D ₃₀ = 0.0195 mm
D ₆₀ = 0.0651 mm	D ₁₅ = 0.0076 mm
D ₅₀ = 0.0453 mm	D ₁₀ = 0.0054 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

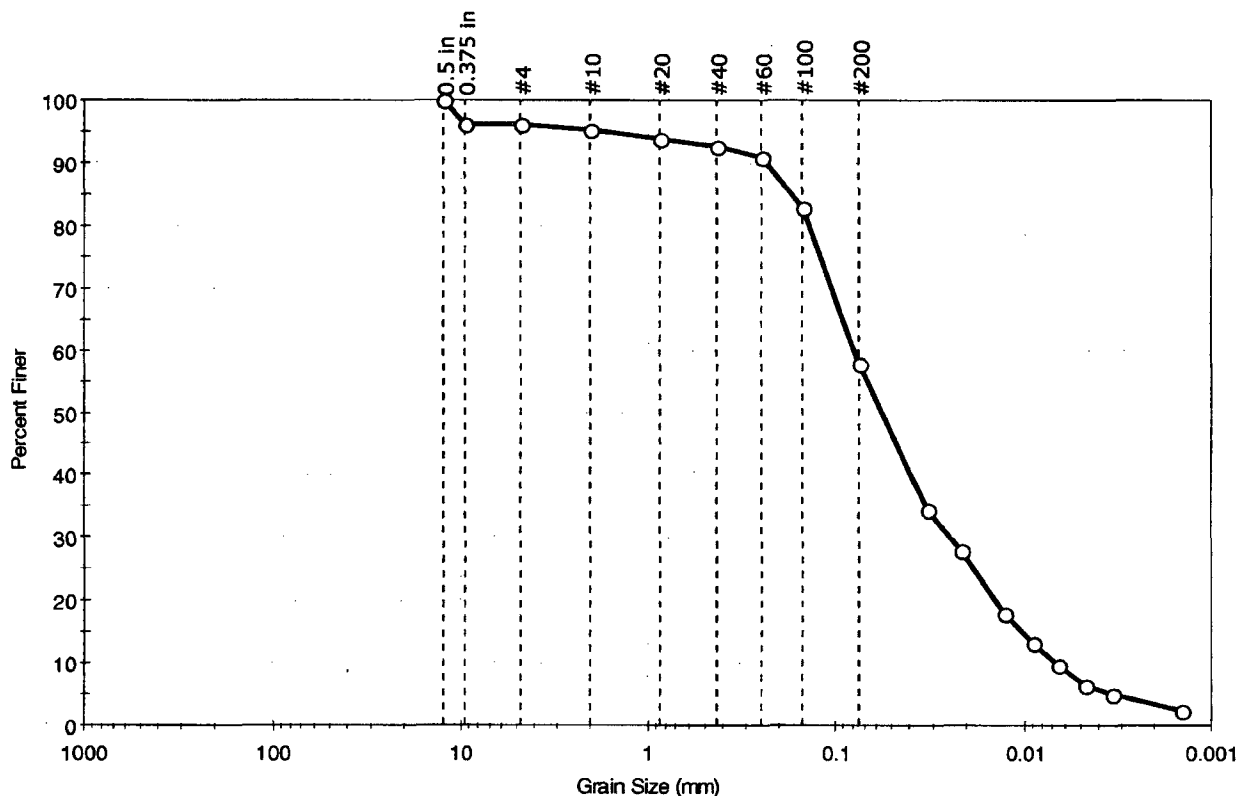
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-2-C	Test Date: 10/27/10	Test Id: 195528	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	3.8	38.3	57.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	96		
#4	4.75	96		
#10	2.00	95		
#20	0.85	94		
#40	0.42	93		
#60	0.25	91		
#100	0.15	83		
#200	0.075	58		
Particle Size (mm)	Percent Finer	Spec. Percent	Complies	
0.0326	34			
0.0218	28			
0.0130	18			
0.0090	13			
0.0066	10			
0.0048	7			
0.0034	5			
0.0014	2			

Coefficients	
D ₈₅ = 0.1709 mm	D ₃₀ = 0.0247 mm
D ₆₀ = 0.0796 mm	D ₁₅ = 0.0104 mm
D ₅₀ = 0.0567 mm	D ₁₀ = 0.0067 mm
C _u = N/A	C _c = N/A

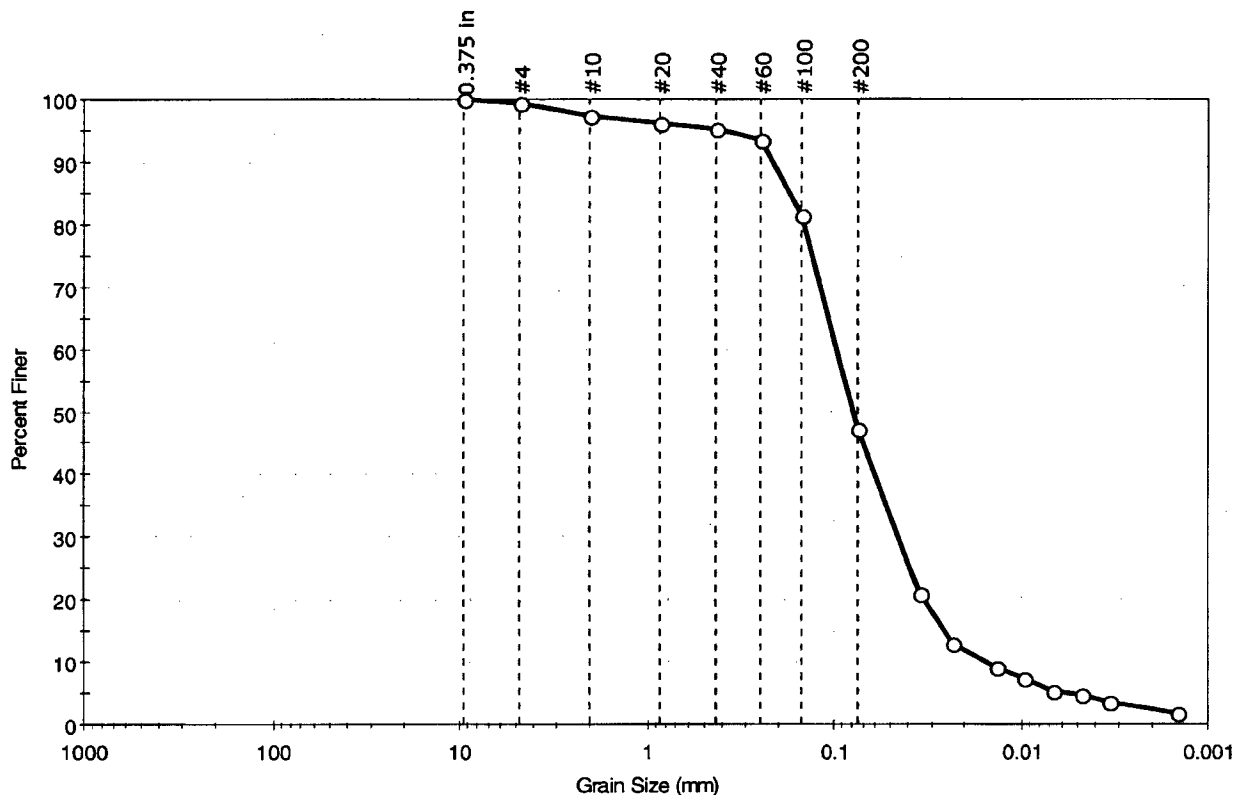
Classification	
ASTM	N/A
AASHTO	Silty Soils (A-4 (0))

Sample/Test Description	
Sand/Gravel Particle Shape	---
Sand/Gravel Hardness	---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-3-C	Test Date: 10/29/10	Test Id: 195529	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silty sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.7	52.2	47.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	97		
#20	0.85	96		
#40	0.42	95		
#60	0.25	94		
#100	0.15	81		
#200	0.075	47		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0352	21		
---	0.0233	13		
---	0.0135	9		
---	0.0096	7		
---	0.0067	5		
---	0.0047	5		
---	0.0034	4		
---	0.0015	2		

Coefficients

D ₈₅ = 0.1739 mm	D ₃₀ = 0.0458 mm
D ₆₀ = 0.0972 mm	D ₁₅ = 0.0258 mm
D ₅₀ = 0.0795 mm	D ₁₀ = 0.0151 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

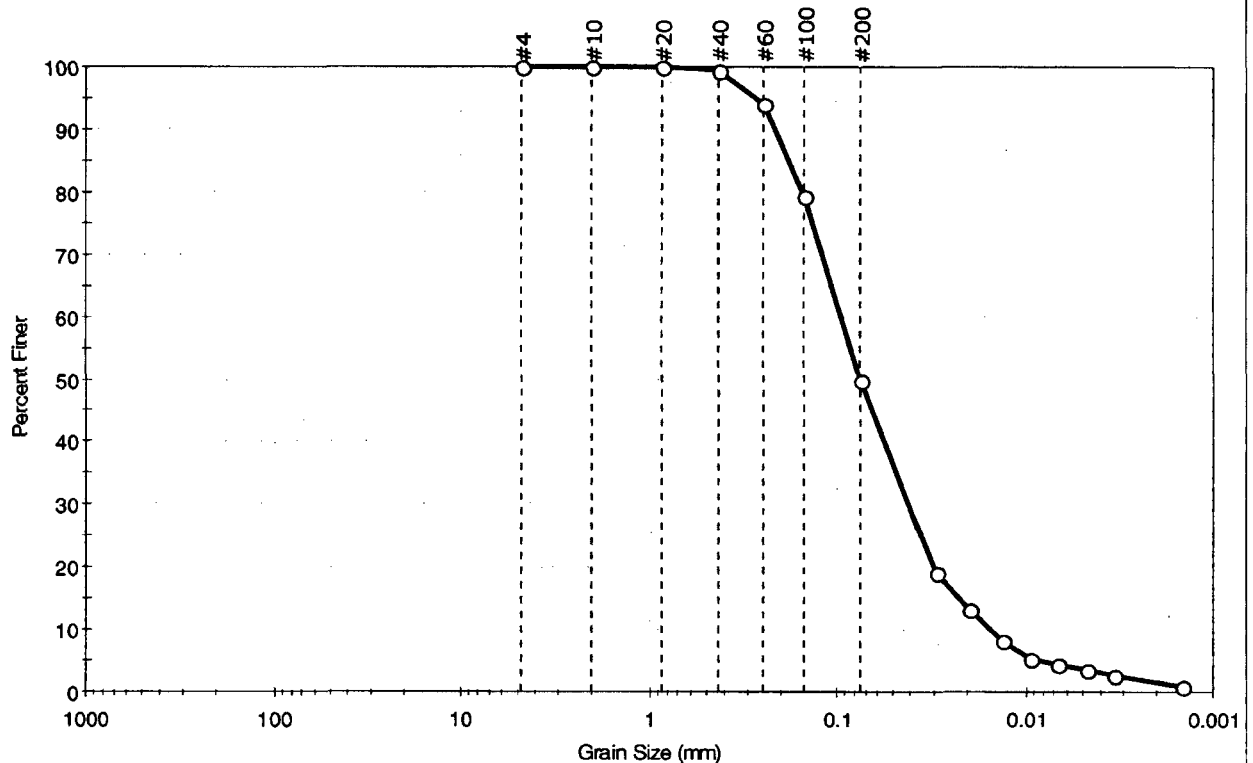
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA		
Boring ID: ---	Sample Type: bag	Tested By: jbr
Sample ID: BBNPP-CW-4-C	Test Date: 10/28/10	Checked By: jdt
Depth: ---	Test Id: 195549	
Test Comment: ---		
Sample Description: Moist, brown silty sand		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	50.1	49.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	99		
#60	0.25	94		
#100	0.15	79		
#200	0.075	50		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0297	19		
---	0.0198	13		
---	0.0132	8		
---	0.0095	5		
---	0.0067	4		
---	0.0047	4		
---	0.0034	3		
---	0.0015	1		

Coefficients

D ₈₅ = 0.1821 mm	D ₃₀ = 0.0412 mm
D ₆₀ = 0.0952 mm	D ₁₅ = 0.0223 mm
D ₅₀ = 0.0752 mm	D ₁₀ = 0.0151 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

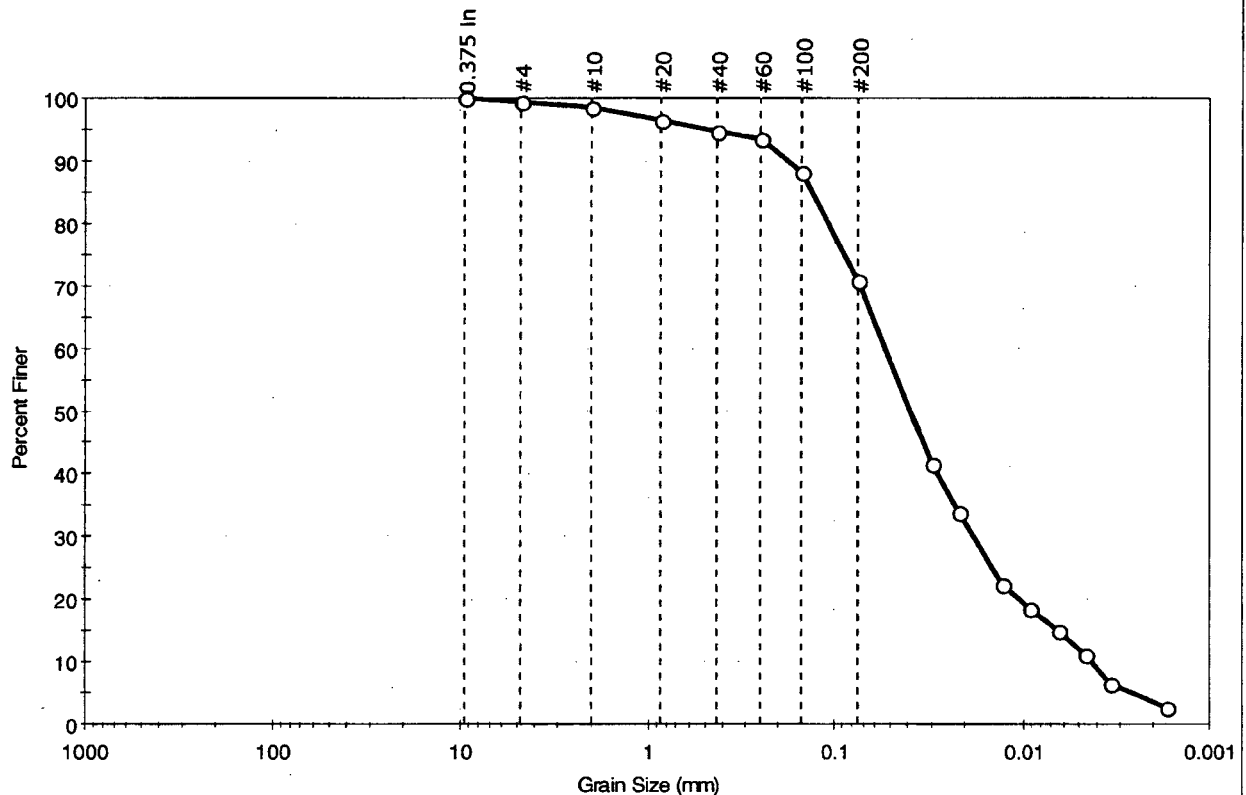
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-5-C	Test Date: 10/29/10	Test Id: 195537	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silt with sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.6	28.7	70.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	98		
#20	0.85	96		
#40	0.42	95		
#60	0.25	94		
#100	0.15	88		
#200	0.075	71		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0301	42		
---	0.0217	34		
---	0.0129	23		
---	0.0092	19		
---	0.0065	15		
---	0.0046	11		
---	0.0034	7		
---	0.0017	3		

Coefficients

D ₈₅ = 0.1323 mm	D ₃₀ = 0.0182 mm
D ₆₀ = 0.0536 mm	D ₁₅ = 0.0064 mm
D ₅₀ = 0.0392 mm	D ₁₀ = 0.0043 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

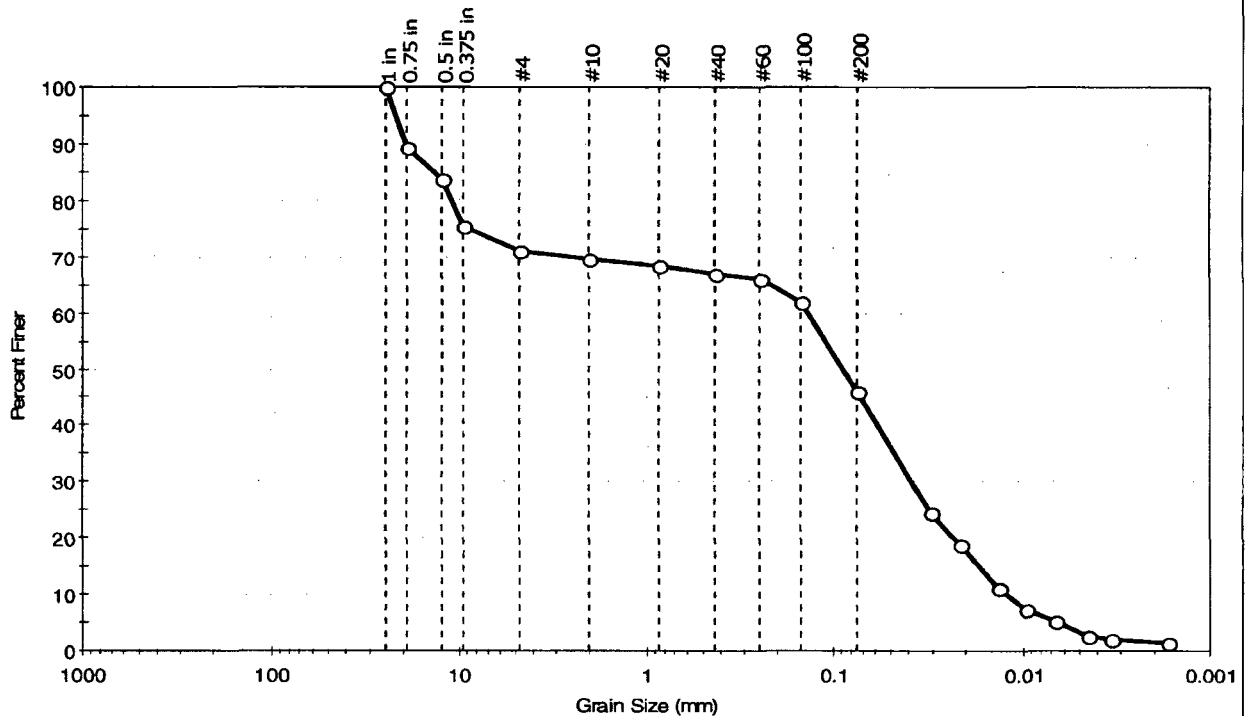
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	
Sample ID: BBNPP-CW-6-C	Test Date: 10/26/10	Checked By: jdt	
Depth: ---	Test Id: 195530		
Test Comment: ---			
Sample Description: Moist, brown silt with sand and gravel			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	28.9	25.0	46.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	89		
0.5 in	12.50	84		
0.375 in	9.50	75		
#4	4.75	71		
#10	2.00	70		
#20	0.85	68		
#40	0.425	67		
#60	0.25	66		
#100	0.15	62		
#200	0.075	46		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0308	25		
---	0.0217	19		
---	0.0133	11		
---	0.0095	7		
---	0.0068	5		
---	0.0045	3		
---	0.0034	2		
---	0.0017	1		

Coefficients

D ₈₅ = 13.8007 mm	D ₃₀ = 0.0386 mm
D ₆₀ = 0.1378 mm	D ₁₅ = 0.0171 mm
D ₅₀ = 0.0892 mm	D ₁₀ = 0.0121 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

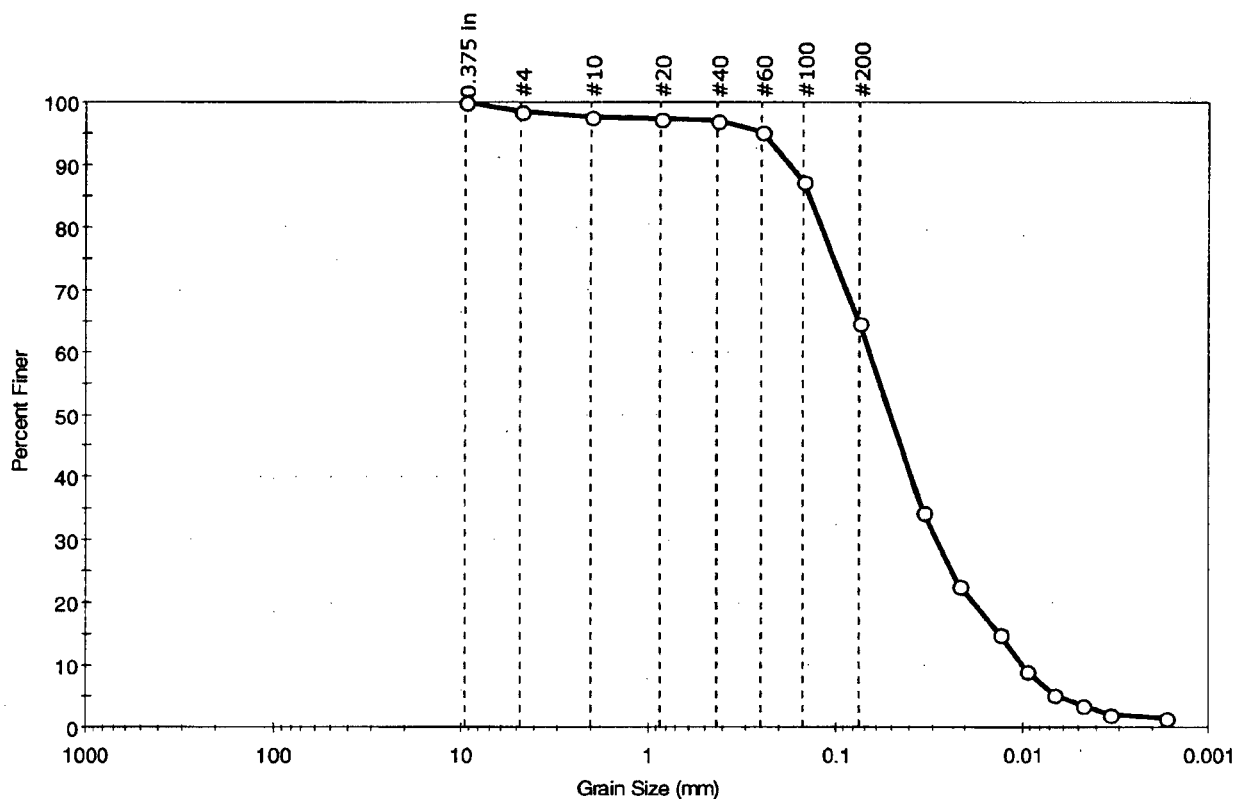
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project No: GTX-10318
Project: BBNPP	
Location: Berwick, PA	
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-7-C	Test Date: 10/29/10
Depth: ---	Test Id: 195550
Test Comment: ---	
Sample Description: Moist, brown sandy silt	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	1.6	33.8	64.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	98		
#10	2.00	97		
#20	0.85	97		
#40	0.42	95		
#60	0.25	87		
#100	0.15	65		
#200	0.075	35		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0339	23		
---	0.0218	15		
---	0.0132	9		
---	0.0095	5		
---	0.0067	3		
---	0.0047	2		
---	0.0034	1		
---	0.0017			

Coefficients

D ₈₅ = 0.1403 mm	D ₃₀ = 0.0286 mm
D ₆₀ = 0.0663 mm	D ₁₅ = 0.0131 mm
D ₅₀ = 0.0510 mm	D ₁₀ = 0.0099 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

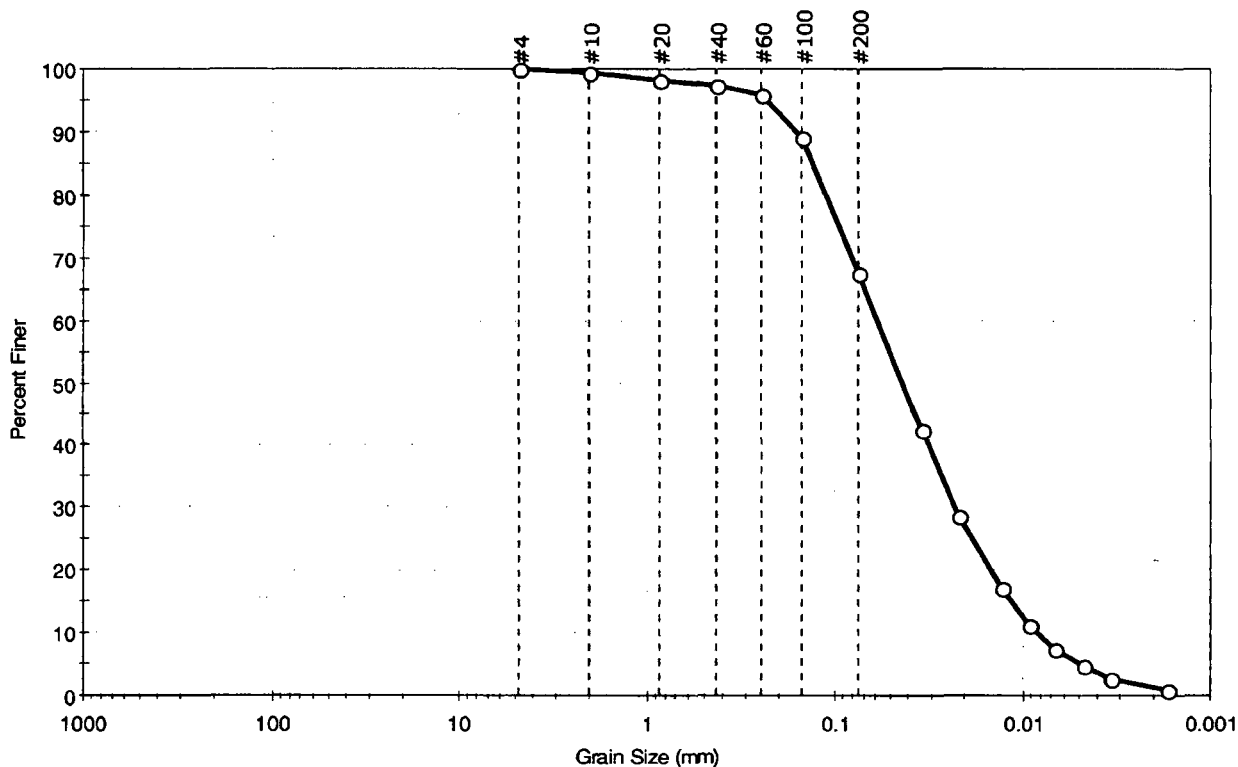
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	
Sample ID: BBNPP-CW-8-C	Test Date: 10/29/10	Checked By: jdt	
Depth: ---	Test Id: 195538		
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.0	32.5	67.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	99		
#20	0.85	98		
#40	0.42	97		
#60	0.25	96		
#100	0.15	89		
#200	0.075	67		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0342	42		
---	0.0218	29		
---	0.0125	17		
---	0.0093	11		
---	0.0067	7		
---	0.0048	5		
---	0.0034	3		
---	0.0017	1		

Coefficients

D ₈₅ = 0.1312 mm	D ₃₀ = 0.0227 mm
D ₆₀ = 0.0593 mm	D ₁₅ = 0.0114 mm
D ₅₀ = 0.0433 mm	D ₁₀ = 0.0084 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

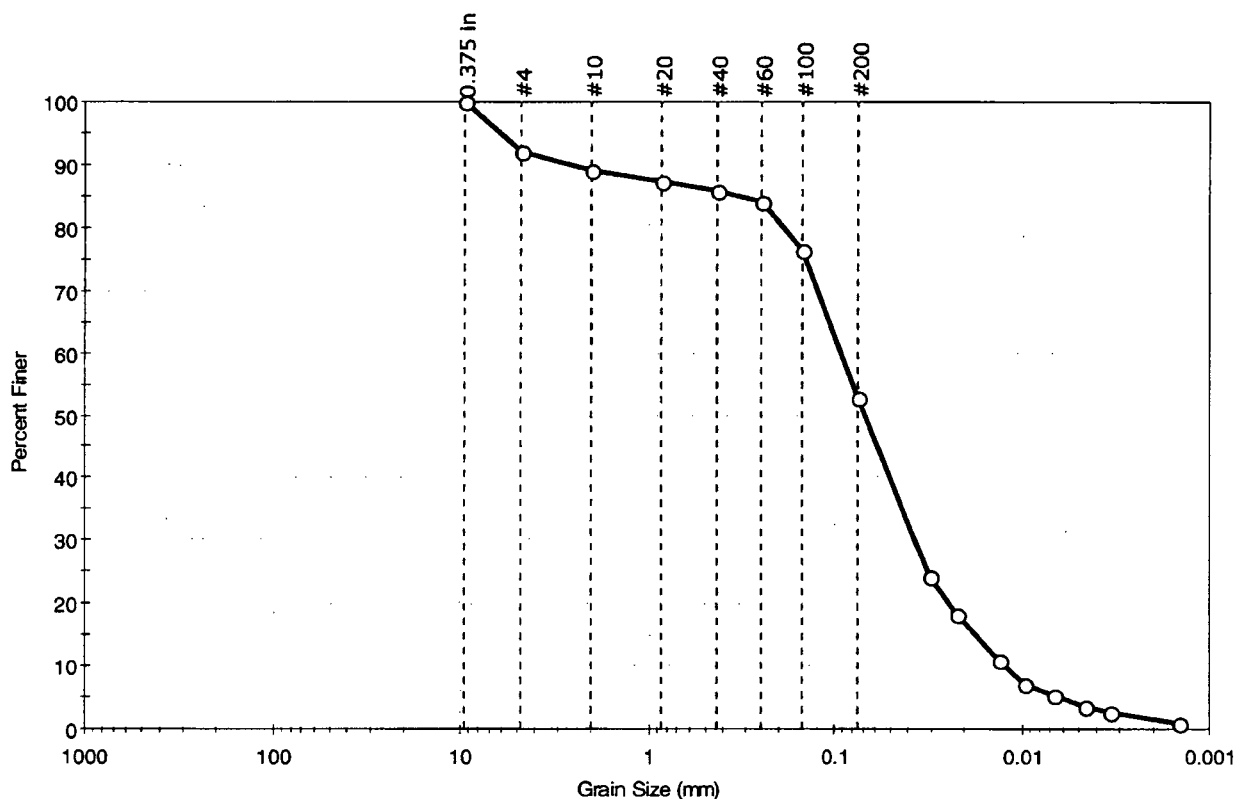
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318
Project: BBNPP	
Location: Berwick, PA	
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-9-C	Test Date: 10/28/10
Depth: ---	Test Id: 195531
Test Comment: ---	
Sample Description: Moist, bown sandy silt	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	7.9	39.4	52.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	92		
#10	2.00	89		
#20	0.85	87		
#40	0.42	86		
#60	0.25	84		
#100	0.15	76		
#200	0.075	53		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0313	24		
---	0.0223	18		
---	0.0130	11		
---	0.0095	7		
---	0.0068	5		
---	0.0046	4		
---	0.0034	3		
---	0.0015	1		

Coefficients

D ₈₅ = 0.3382 mm	D ₃₀ = 0.0373 mm
D ₆₀ = 0.0927 mm	D ₁₅ = 0.0175 mm
D ₅₀ = 0.0689 mm	D ₁₀ = 0.0122 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

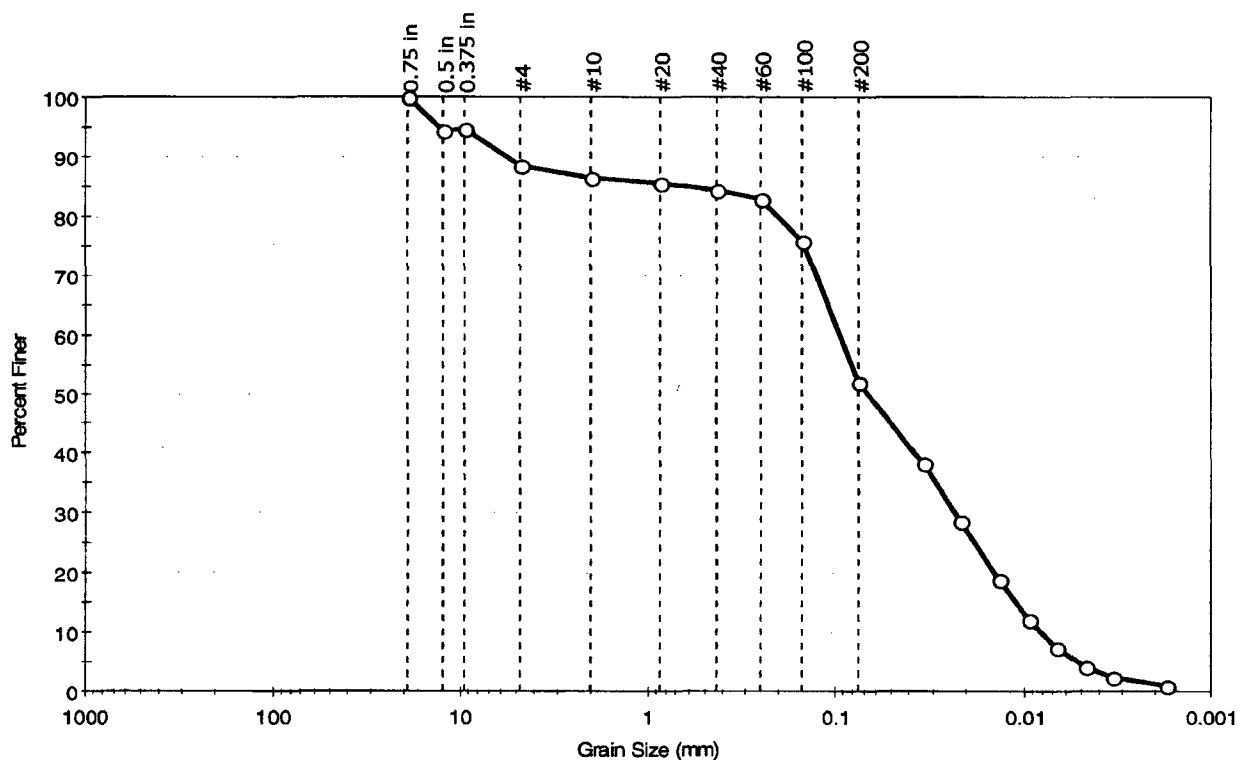
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-9-C-FD	Test Date: 10/28/10	Test Id: 195532	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	11.4	36.8	51.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	95		
0.375 in	9.50	95		
#4	4.75	89		
#10	2.00	86		
#20	0.85	86		
#40	0.42	84		
#60	0.25	83		
#100	0.15	76		
#200	0.075	52		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0340	38		
---	0.0216	29		
---	0.0134	19		
---	0.0094	12		
---	0.0068	7		
---	0.0047	4		
---	0.0034	2		
---	0.0017	1		

Coefficients

D ₈₅ = 0.6304 mm	D ₃₀ = 0.0231 mm
D ₆₀ = 0.0950 mm	D ₁₅ = 0.0109 mm
D ₅₀ = 0.0675 mm	D ₁₀ = 0.0081 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

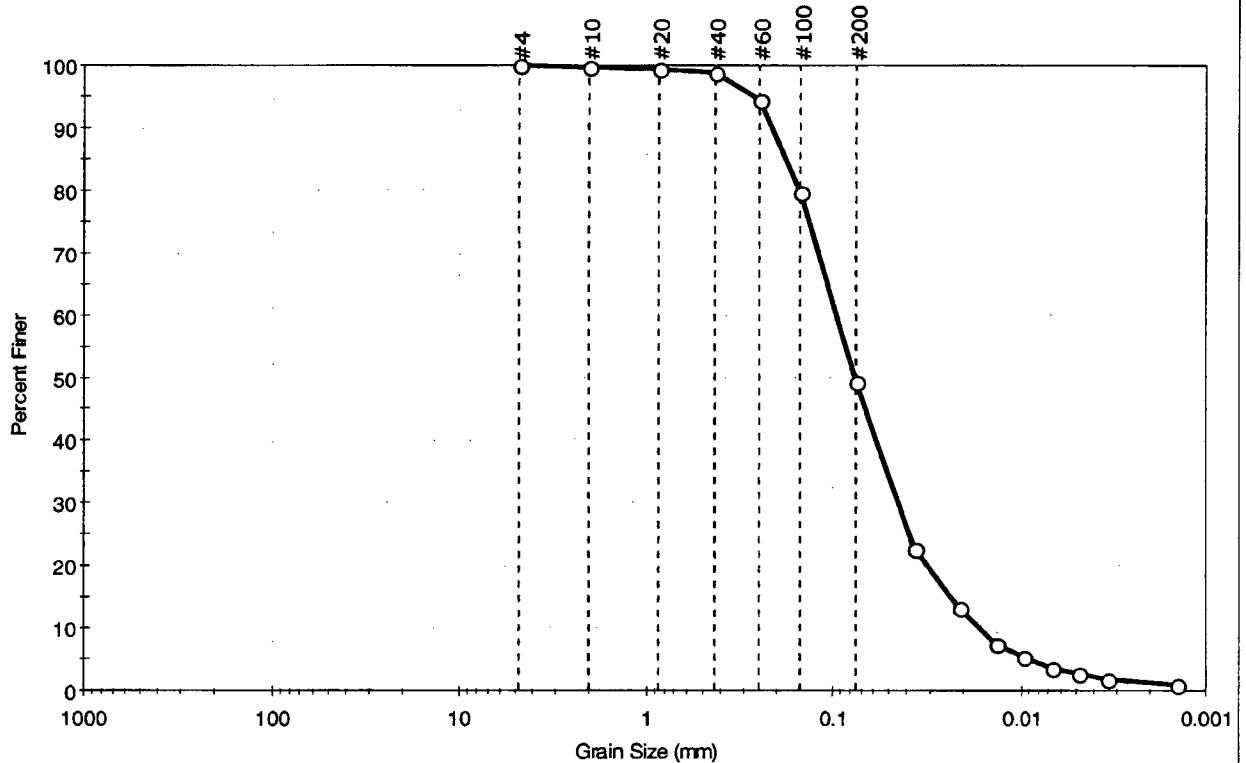
Sample/Test Description

Sand/Gravel Particle Shape : **ROUNDED**
 Sand/Gravel Hardness : **HARD**



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-10-C	Test Date: 10/29/10	Test Id: 195551	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silty sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.0	50.7	49.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	99		
#60	0.25	95		
#100	0.15	80		
#200	0.075	49		
Particle Size (mm)	Percent Finer	Spec. Percent	Complies	
0.0364	23			
0.0215	13			
0.0135	7			
0.0096	5			
0.0067	4			
0.0048	3			
0.0034	2			
0.0014	1			

Coefficients

D ₈₅ = 0.1807 mm	D ₃₀ = 0.0442 mm
D ₆₀ = 0.0959 mm	D ₁₅ = 0.0237 mm
D ₅₀ = 0.0762 mm	D ₁₀ = 0.0167 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

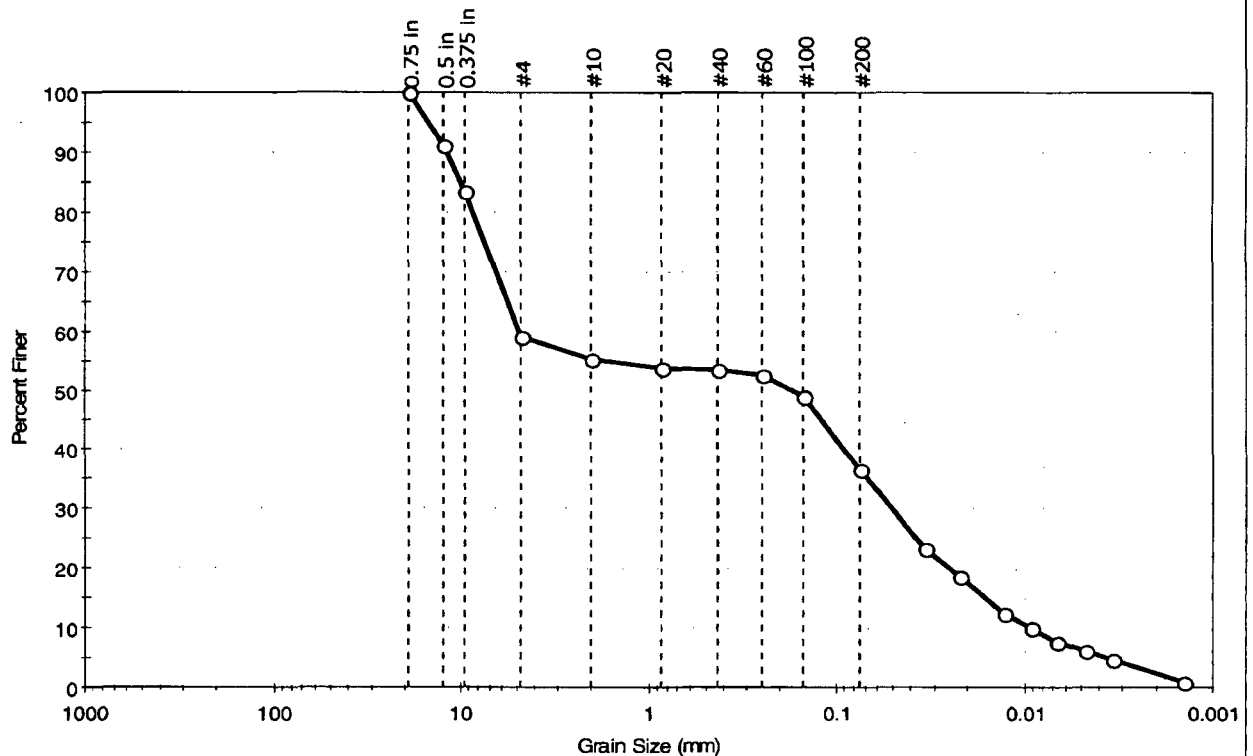
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA		
Boring ID: ---	Sample Type: bag	Tested By: jbr
Sample ID: BBNPP-CW-11-C	Test Date: 10/28/10	Checked By: jdt
Depth: ---	Test Id: 195539	
Test Comment: ---		
Sample Description: Moist, brown silty gravel with sand		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	41.0	22.3	36.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	91		
0.375 in	9.50	84		
#4	4.75	59		
#10	2.00	55		
#20	0.85	54		
#40	0.42	53		
#60	0.25	53		
#100	0.15	49		
#200	0.075	37		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0942	23		
---	0.0222	19		
---	0.0127	12		
---	0.0093	10		
---	0.0067	8		
---	0.0047	6		
---	0.0034	5		
---	0.0014	1		

Coefficients

D ₈₅ = 10.0157 mm	D ₃₀ = 0.0506 mm
D ₆₀ = 4.8928 mm	D ₁₅ = 0.0160 mm
D ₅₀ = 0.1723 mm	D ₁₀ = 0.0091 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

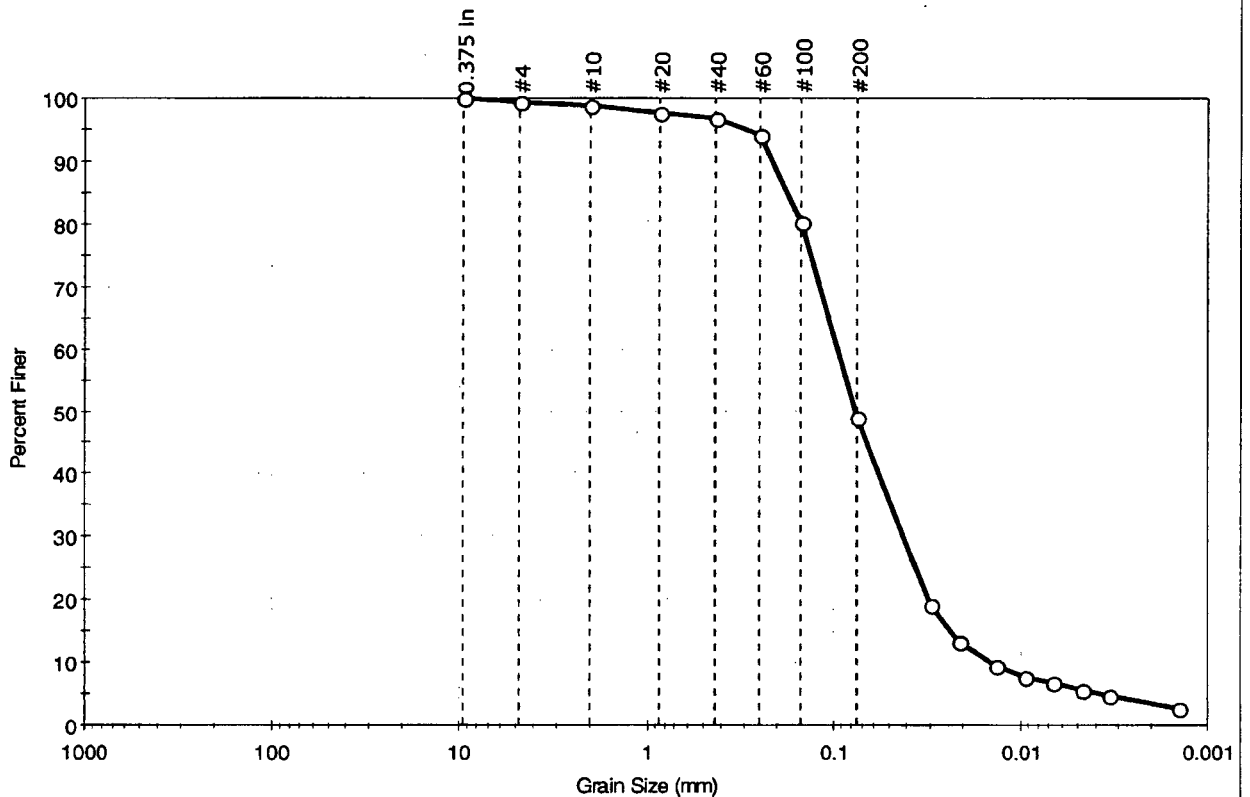
Sample/Test Description

Sand/Gravel Particle Shape : **ROUNDED**
 Sand/Gravel Hardness : **HARD**



Client: AECOM	Project No: GTX-10318	
Project: BBNPP	Tested By: jbr	
Location: Berwick, PA	Sample Type: bag	Checked By: jdt
Boring ID: ---	Test Date: 10/29/10	Test Id: 195533
Sample ID: BBNPP-CW-12-C	Sample Comment: ---	
Depth: ---	Sample Description: Moist, brown silty sand	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.5	50.6	48.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	98		
#20	0.85	97		
#40	0.42	94		
#60	0.25	80		
#100	0.15	49		
#200	0.075	19		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0300	13		
---	0.0214	9		
---	0.0135	8		
---	0.0095	7		
---	0.0067	6		
---	0.0048	5		
---	0.0034	3		
---	0.0014			

Coefficients

D ₈₅ = 0.1784 mm	D ₃₀ = 0.0418 mm
D ₆₀ = 0.0958 mm	D ₁₅ = 0.0235 mm
D ₅₀ = 0.0768 mm	D ₁₀ = 0.0145 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

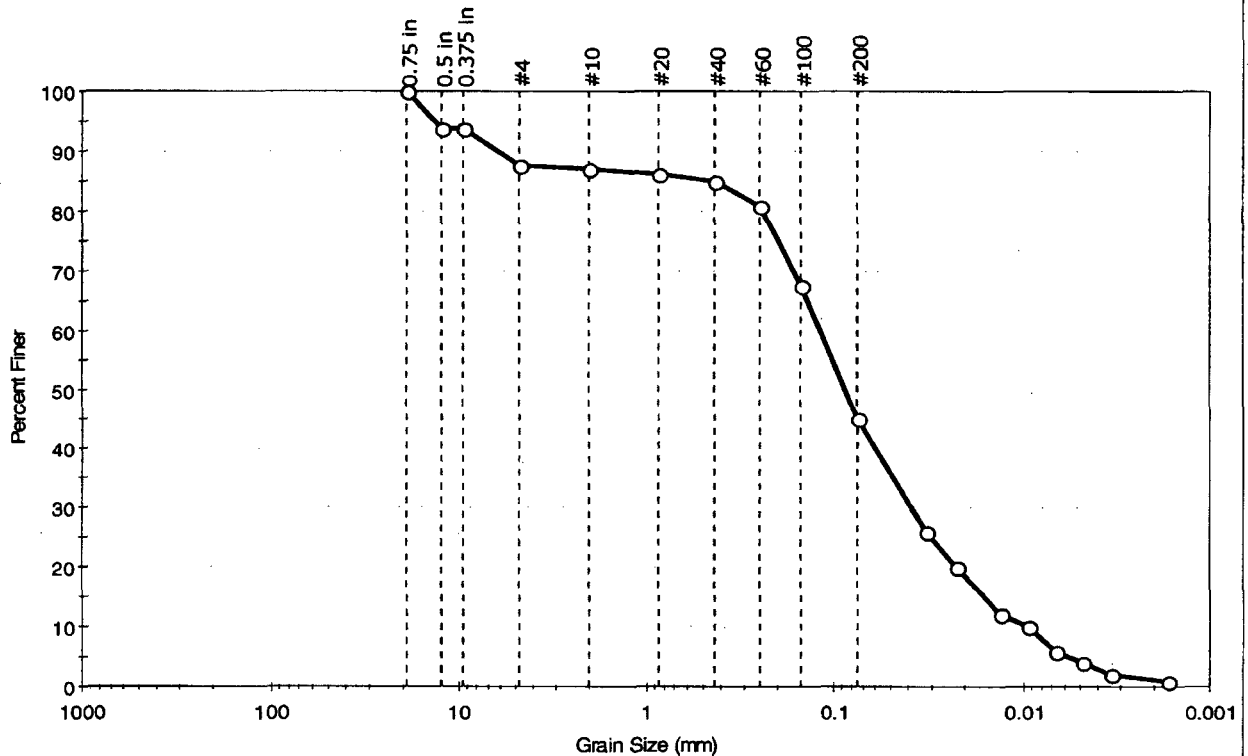
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA		
Boring ID: ---	Sample Type: bag	Tested By: jbr
Sample ID: BBNPP-CW-13-C	Test Date: 10/28/10	Checked By: jdt
Depth: ---	Test Id: 195552	
Test Comment: ---		
Sample Description: Moist, brown silty sand		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	12.4	42.4	45.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	94		
0.375 in	9.50	94		
#4	4.75	88		
#10	2.00	87		
#20	0.85	86		
#40	0.42	85		
#60	0.25	81		
#100	0.15	68		
#200	0.075	45		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0329	26		
---	0.0221	20		
---	0.0133	12		
---	0.0094	10		
---	0.0067	6		
---	0.0048	4		
---	0.0034	2		
---	0.0017	1		

Coefficients

D ₈₅ = 0.4238 mm	D ₃₀ = 0.0391 mm
D ₆₀ = 0.1186 mm	D ₁₅ = 0.0161 mm
D ₅₀ = 0.0869 mm	D ₁₀ = 0.0094 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

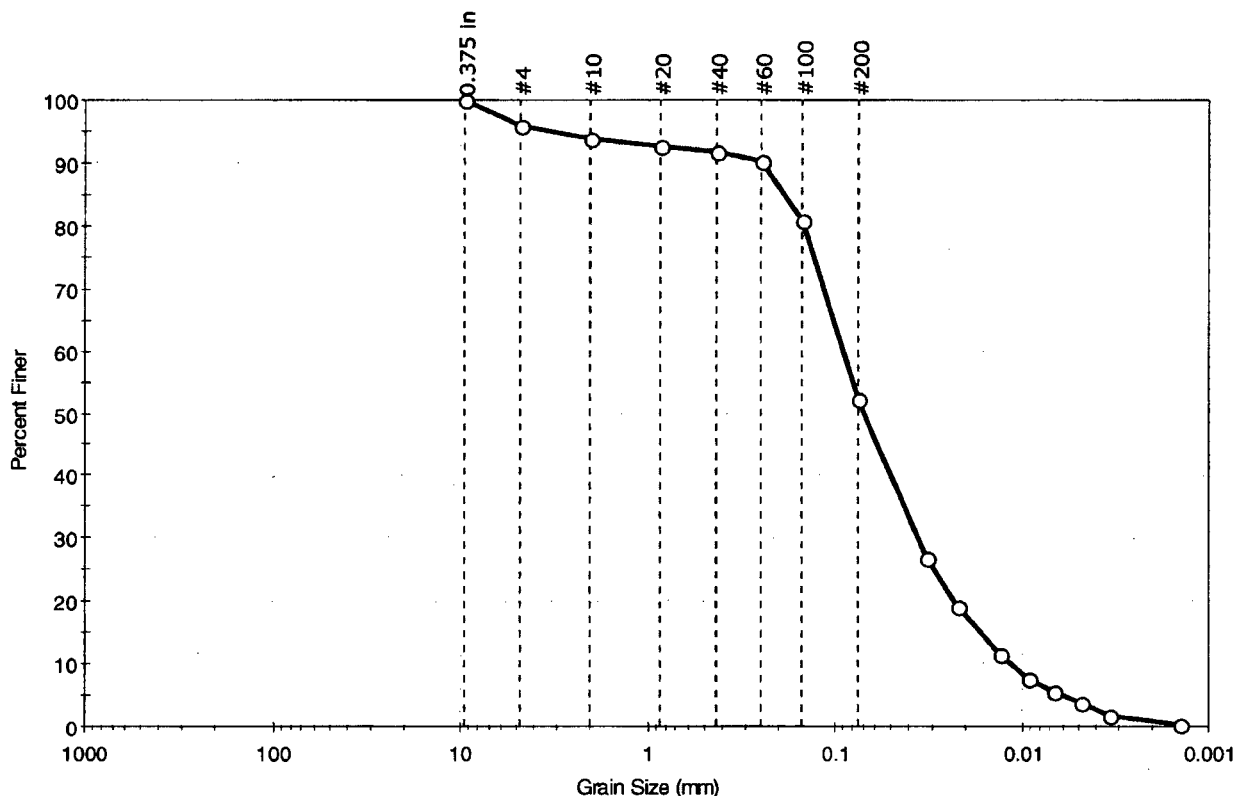
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID:BBNPP-CW-14-C	Test Date: 10/26/10	Test Id: 195540	
Depth : ---			
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	4.0	43.9	52.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	96		
#10	2.00	94		
#20	0.85	92		
#40	0.42	92		
#60	0.25	90		
#100	0.15	81		
#200	0.075	52		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0328	27		
---	0.0224	19		
---	0.0131	11		
---	0.0092	8		
---	0.0068	6		
---	0.0048	4		
---	0.0034	2		
---	0.0014	0		

Coefficients

D ₈₅ = 0.1879 mm	D ₃₀ = 0.0364 mm
D ₆₀ = 0.0906 mm	D ₁₅ = 0.0167 mm
D ₅₀ = 0.0699 mm	D ₁₀ = 0.0114 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

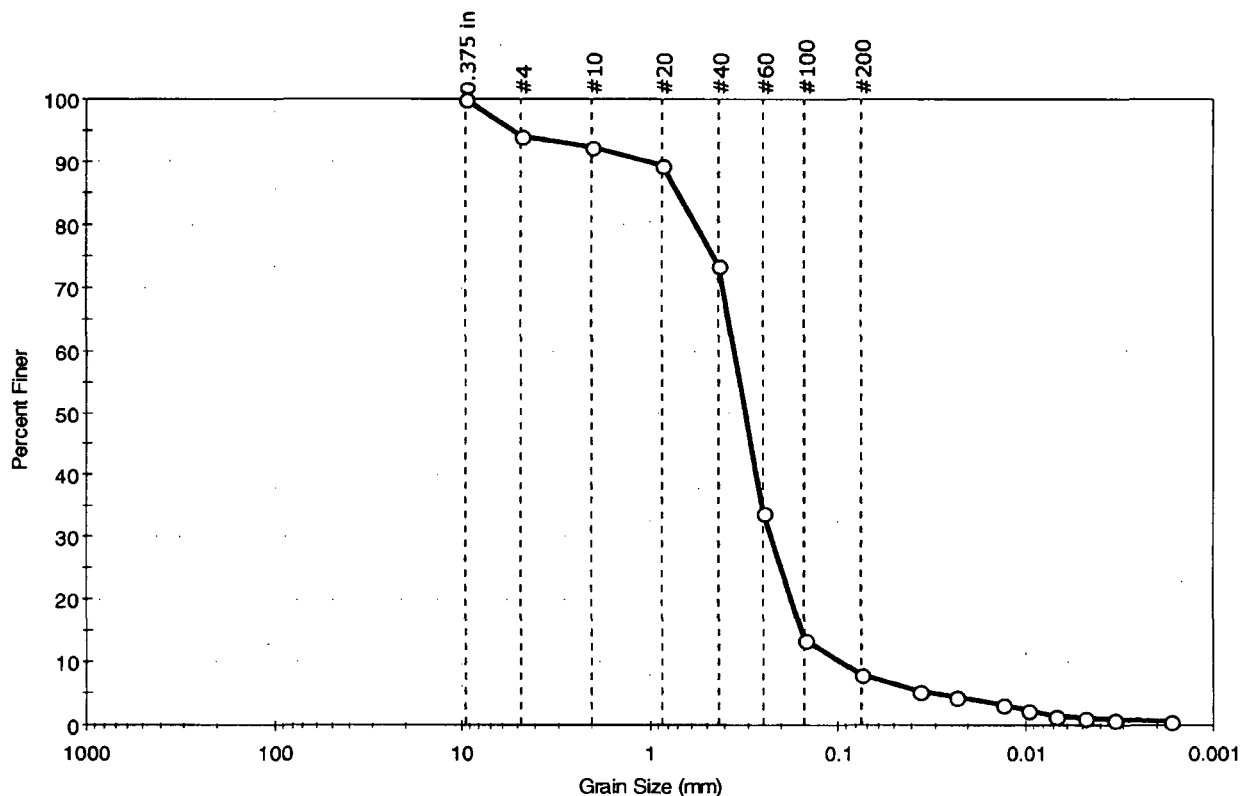
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	
Sample ID: BBNPP-CW-15-C	Test Date: 10/29/10	Checked By: jdt	
Depth: ---	Test Id: 195534		
Test Comment: ---			
Sample Description: Moist, brown sand with silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	5.9	86.2	7.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	94		
#10	2.00	92		
#20	0.85	89		
#40	0.42	74		
#60	0.25	34		
#100	0.15	14		
#200	0.075	8		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0371	5		
---	0.0236	4		
---	0.0132	3		
---	0.0097	2		
---	0.0068	1		
---	0.0048	1		
---	0.0034	1		
---	0.0017	0		

Coefficients

D ₈₅ = 0.7014 mm	D ₃₀ = 0.2262 mm
D ₆₀ = 0.3543 mm	D ₁₅ = 0.1554 mm
D ₅₀ = 0.3098 mm	D ₁₀ = 0.0972 mm
C _u = 3.645	C _c = 1.486

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

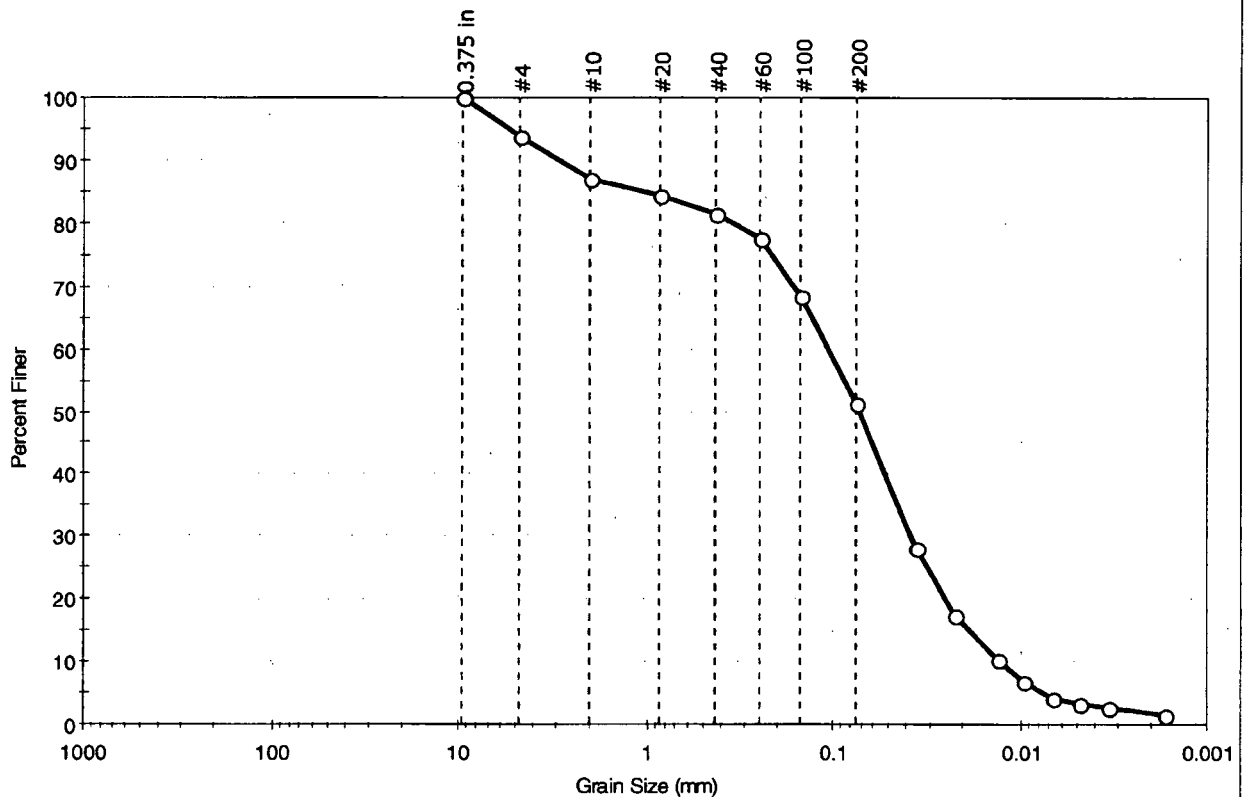
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project No: GTX-10318
Project: BBNPP	Tested By: jbr
Location: Berwick, PA	Checked By: jdt
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-16-C	Test Date: 10/29/10
Depth: ---	Test Id: 195553
Test Comment: ---	
Sample Description: Moist, brown sandy silt	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	6.2	42.5	51.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	94		
#10	2.00	87		
#20	0.85	84		
#40	0.42	81		
#60	0.25	77		
#100	0.15	68		
#200	0.075	51		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0357	28		
---	0.0223	17		
---	0.0132	10		
---	0.0096	7		
---	0.0067	4		
---	0.0048	3		
---	0.0034	3		
---	0.0017	1		

Coefficients

D ₈₅ = 1.0365 mm	D ₃₀ = 0.0380 mm
D ₆₀ = 0.1069 mm	D ₁₅ = 0.0187 mm
D ₅₀ = 0.0720 mm	D ₁₀ = 0.0129 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

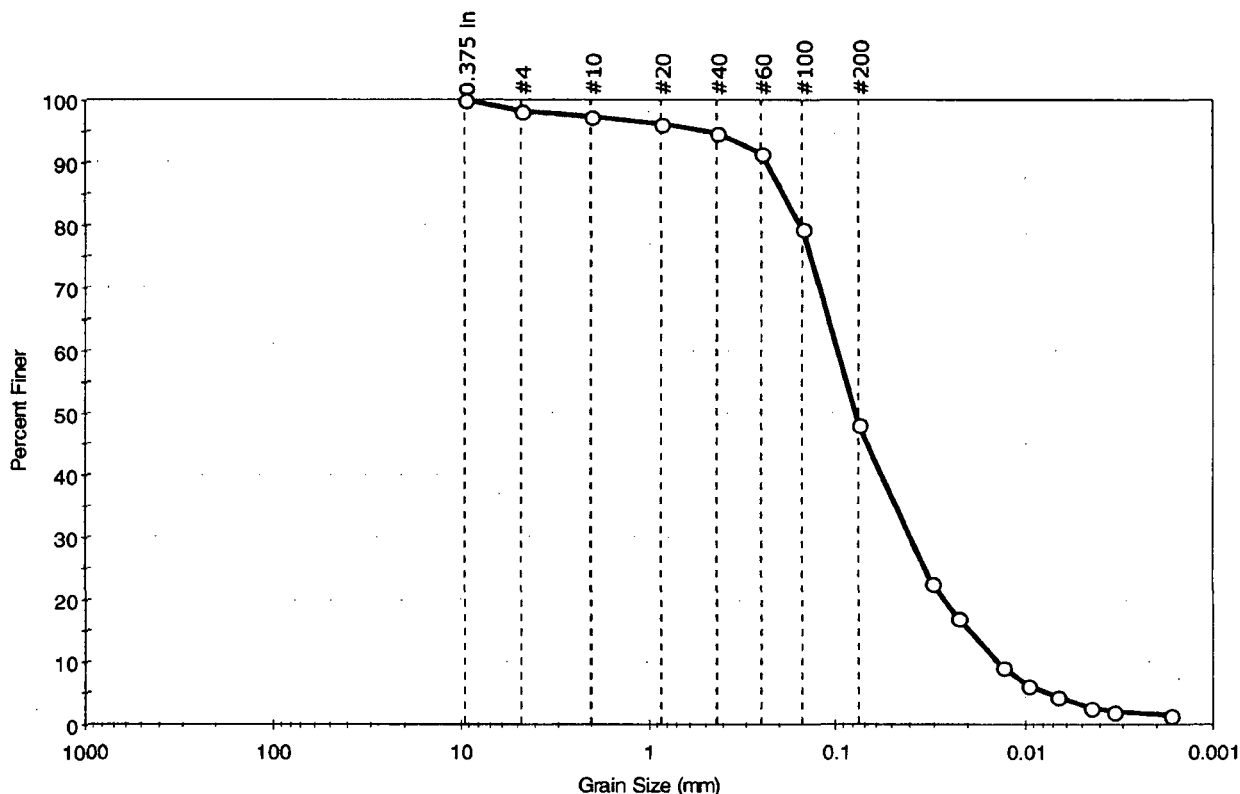
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-17-C	Test Date: 10/26/10	Test Id: 195541	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, dark brown silty sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	1.6	50.2	48.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	98		
#10	2.00	97		
#20	0.85	96		
#40	0.42	95		
#60	0.25	91		
#100	0.15	79		
#200	0.075	48		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0309	23		
---	0.0225	17		
---	0.0132	9		
---	0.0096	6		
---	0.0068	4		
---	0.0045	3		
---	0.0034	2		
---	0.0017	1		

Coefficients	
D ₈₅ = 0.1910 mm	D ₃₀ = 0.0397 mm
D ₆₀ = 0.0977 mm	D ₁₅ = 0.0196 mm
D ₅₀ = 0.0781 mm	D ₁₀ = 0.0139 mm
C _u = N/A	C _c = N/A

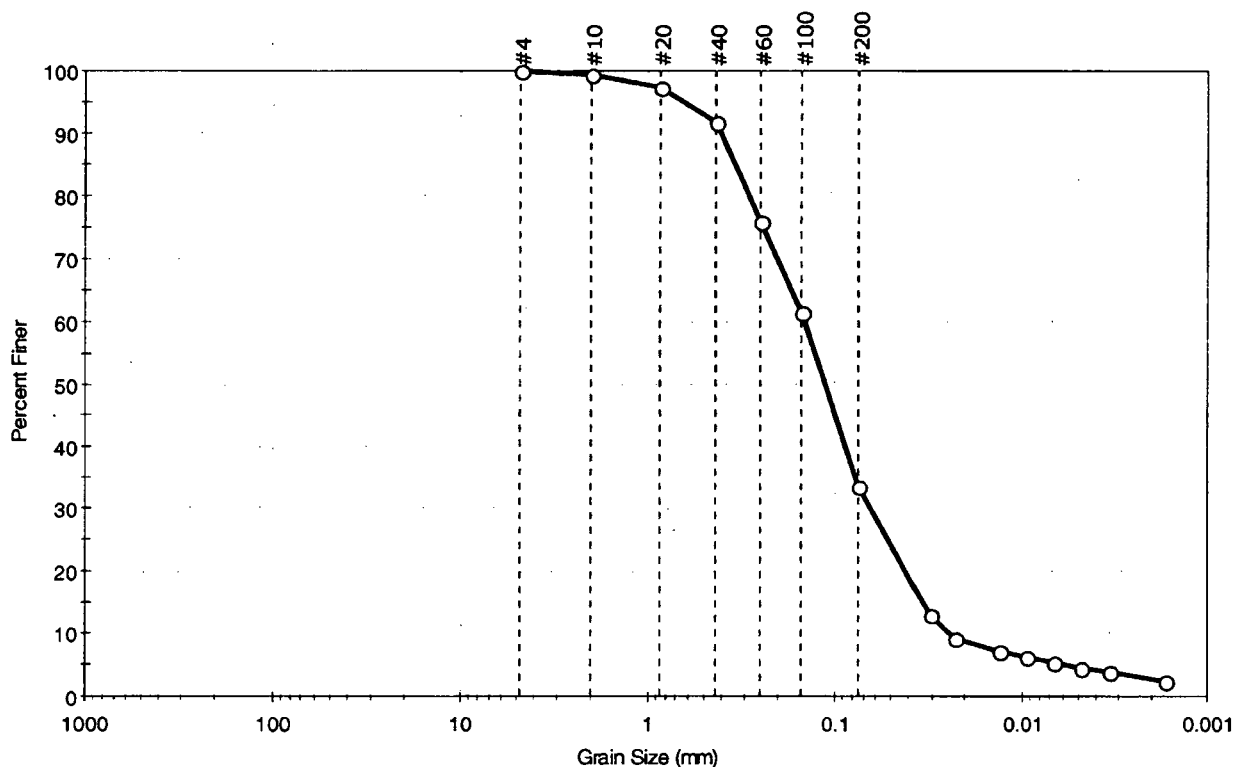
ASTM	N/A	Classification
AASHTO	Silty Solls (A-4 (0))	

Sample/Test Description
Sand/Gravel Particle Shape : ---
Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318
Project: BBNPP	Tested By: jbr
Location: Berwick, PA	Checked By: n/a
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-18-C	Test Date: 10/29/10
Depth: ---	Test Id: 195535
Test Comment: ---	
Sample Description: Moist, brown silty sand	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	66.2	33.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	99		
#20	0.85	97		
#40	0.42	92		
#60	0.25	76		
#100	0.15	61		
#200	0.075	34		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0309	13		
---	0.0227	9		
---	0.0132	7		
---	0.0095	6		
---	0.0068	5		
---	0.0048	4		
---	0.0034	4		
---	0.0017	2		

Coefficients

D ₈₅ = 0.3390 mm	D ₃₀ = 0.0639 mm
D ₆₀ = 0.1448 mm	D ₁₅ = 0.0337 mm
D ₅₀ = 0.1127 mm	D ₁₀ = 0.0244 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

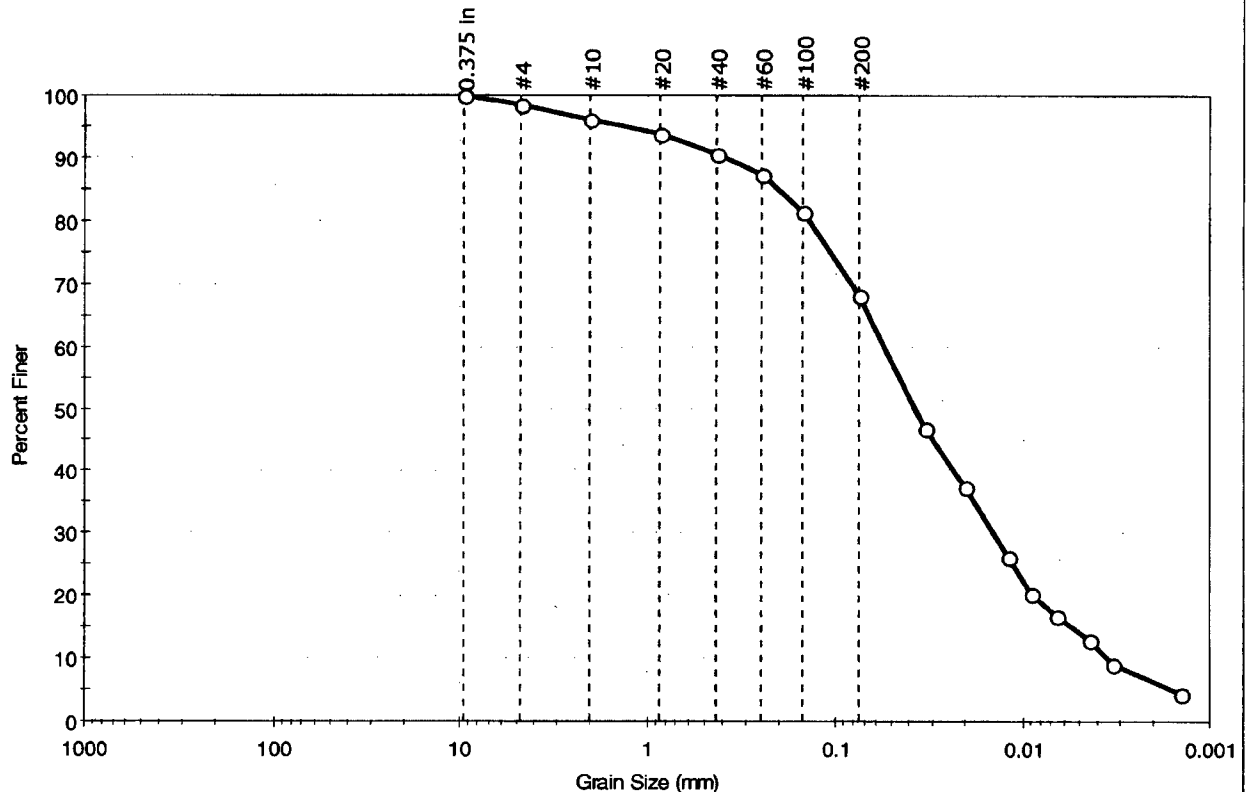
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-19-C	Test Date: 10/28/10	Test Id: 195554	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown sandy silt			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
---	1.3	30.4	68.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	96		
#20	0.85	94		
#40	0.42	91		
#60	0.25	87		
#100	0.15	81		
#200	0.075	68		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0332	47		
---	0.0204	37		
---	0.0120	26		
---	0.0091	20		
---	0.0065	17		
---	0.0044	13		
---	0.0033	9		
---	0.0014	5		

Coefficients

D ₈₅ = 0.2046 mm	D ₃₀ = 0.0144 mm
D ₆₀ = 0.0549 mm	D ₁₅ = 0.0055 mm
D ₅₀ = 0.0375 mm	D ₁₀ = 0.0035 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

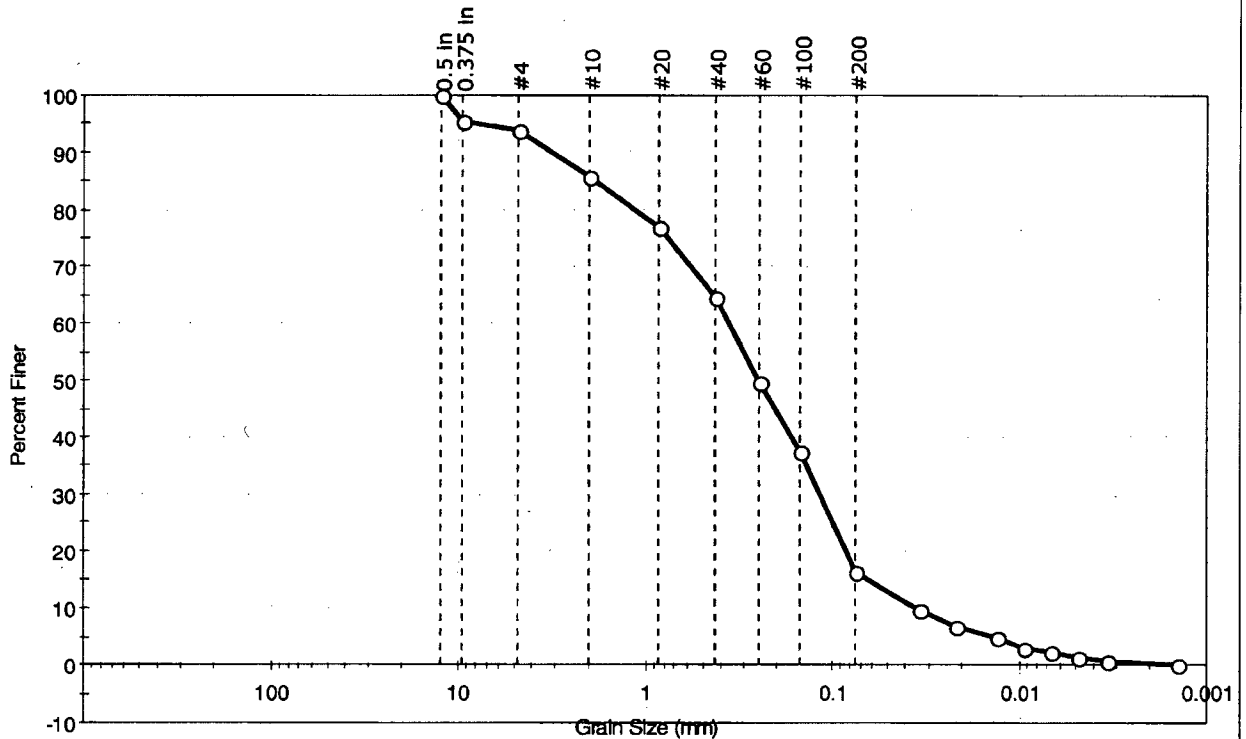
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-CW-20-C	Test Date: 10/26/10	Test Id: 195542	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silty sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



%Cobble	%Gravel	%Sand	%Silt & Clay Size
—	6.3	77.5	16.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	95		
#4	4.75	94		
#10	2.00	86		
#20	0.85	77		
#40	0.42	65		
#60	0.25	50		
#100	0.15	37		
#200	0.075	16		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0342	10		
---	0.0215	7		
---	0.0132	5		
---	0.0095	3		
---	0.0068	2		
---	0.0048	1		
---	0.0034	1		
---	0.0014	0		

Coefficients

D ₈₅ = 1.8810 mm	D ₃₀ = 0.1179 mm
D ₆₀ = 0.3591 mm	D ₁₅ = 0.0646 mm
D ₅₀ = 0.2514 mm	D ₁₀ = 0.0346 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

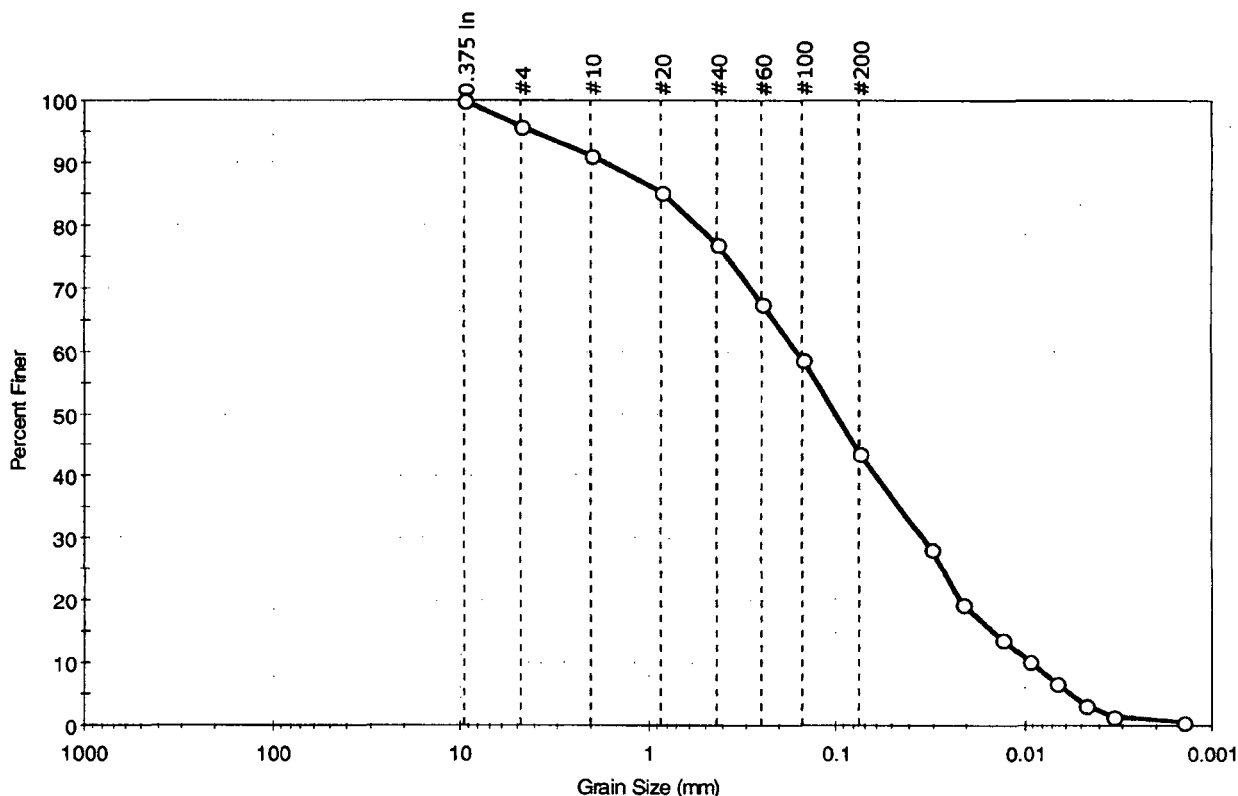
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	
Sample ID: BBNPP-CW-20-C-FD	Test Date: 10/29/10	Checked By: jdt	
Depth: ---	Test Id: 195544		
Test Comment: ---			
Sample Description: Moist, brown silty sand			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	4.2	52.0	43.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	96		
#10	2.00	91		
#20	0.85	85		
#40	0.42	77		
#60	0.25	67		
#100	0.15	59		
#200	0.075	44		
Particle Size (mm)	Percent Finer	Spec. Percent	Complies	
0.0312	28			
0.0210	19			
0.0131	14			
0.0094	10			
0.0067	7			
0.0047	3			
0.0034	2			
0.0014	1			

Coefficients

D ₈₅ = 0.8265 mm	D ₃₀ = 0.0343 mm
D ₆₀ = 0.1611 mm	D ₁₅ = 0.0144 mm
D ₅₀ = 0.1000 mm	D ₁₀ = 0.0091 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

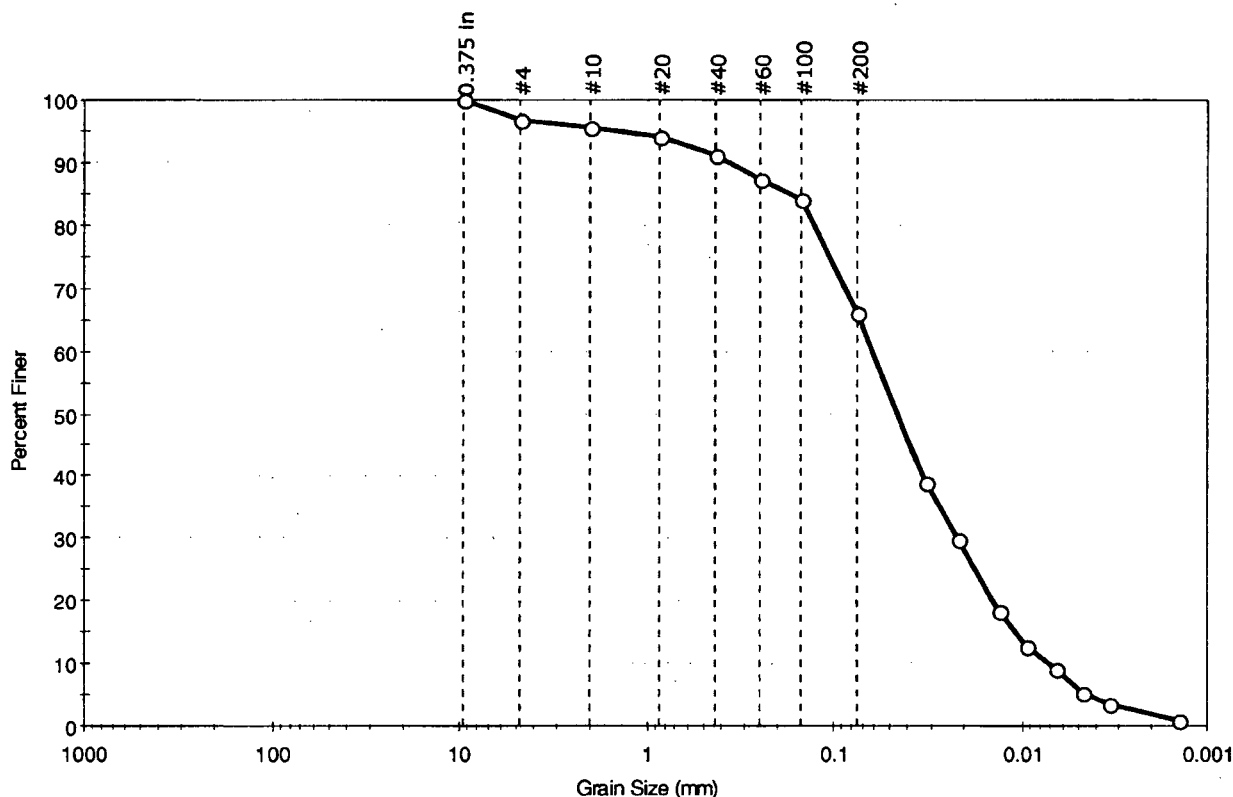
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project No: GTX-10318
Project: BBNPP	Tested By: jbr
Location: Berwick, PA	Checked By: jdt
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-21-C	Test Date: 10/29/10
Depth: ---	Test Id: 195536
Test Comment: ---	
Sample Description: Moist, brown sandy silt	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	3.3	30.6	66.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	97		
#10	2.00	96		
#20	0.85	94		
#40	0.42	91		
#60	0.25	87		
#100	0.15	84		
#200	0.075	66		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0323	39		
---	0.0218	30		
---	0.0131	18		
---	0.0094	13		
---	0.0066	9		
---	0.0048	5		
---	0.0034	4		
---	0.0014	1		

Coefficients

D ₈₅ = 0.1758 mm	D ₃₀ = 0.0221 mm
D ₆₀ = 0.0620 mm	D ₁₅ = 0.0107 mm
D ₅₀ = 0.0454 mm	D ₁₀ = 0.0072 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

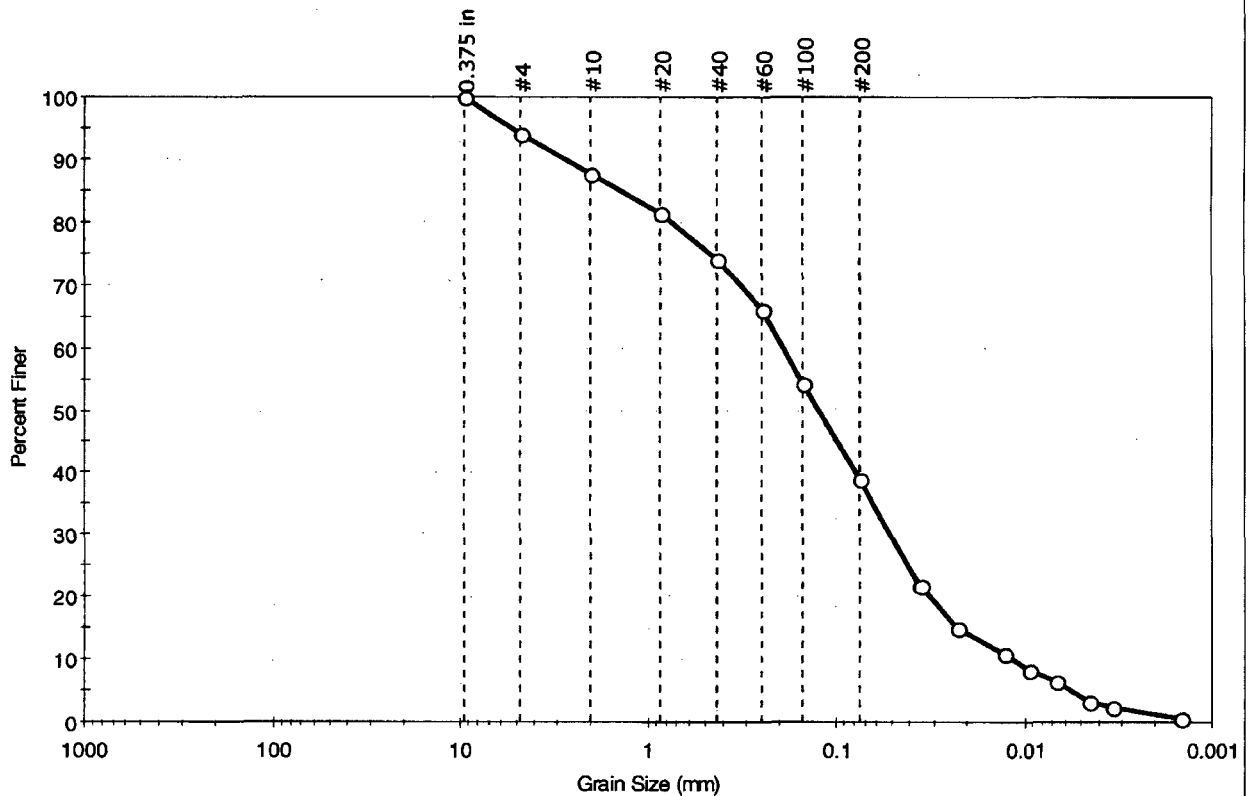
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA		
Boring ID: ---	Sample Type: bag	Tested By: jbr
Sample ID: BBNPP-CW-22-C	Test Date: 10/28/10	Checked By: jdt
Depth: ---	Test Id: 195776	
Test Comment: ---		
Sample Description: Moist, brown silty sand		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	6.0	55.0	39.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	94		
#10	2.00	88		
#20	0.85	81		
#40	0.42	74		
#60	0.25	66		
#100	0.15	54		
#200	0.075	39		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0357	22		
---	0.0228	15		
---	0.0128	11		
---	0.0093	8		
---	0.0067	7		
---	0.0045	3		
---	0.0034	2		
---	0.0015	1		

Coefficients

$D_{85} = 1.3772 \text{ mm}$ $D_{30} = 0.0508 \text{ mm}$
 $D_{60} = 0.1921 \text{ mm}$ $D_{15} = 0.0227 \text{ mm}$
 $D_{50} = 0.1232 \text{ mm}$ $D_{10} = 0.0116 \text{ mm}$
 $C_u = \text{N/A}$ $C_c = \text{N/A}$

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

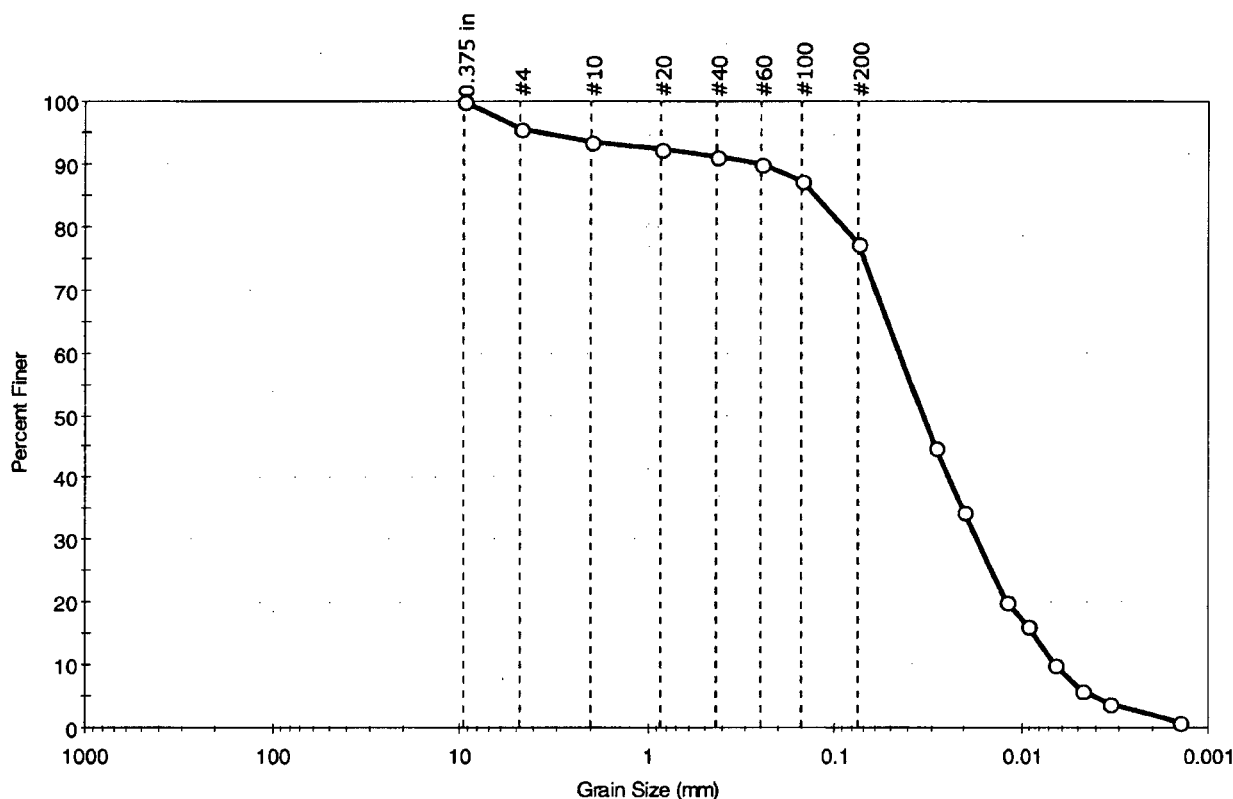
Sample/Test Description

Sand/Gravel Particle Shape : ---
 Sand/Gravel Hardness : ---



Client: AECOM	Project No: GTX-10318
Project: BBNPP	Tested By: jbr
Location: Berwick, PA	Checked By: jdt
Boring ID: ---	Sample Type: bag
Sample ID: BBNPP-CW-23-C	Test Date: 10/29/10
Depth: ---	Test Id: 195543
Test Comment: ---	
Sample Description: Moist, brown silt with sand	
Sample Comment: ---	

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	4.3	18.5	77.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	96		
#10	2.00	93		
#20	0.85	92		
#40	0.42	91		
#60	0.25	90		
#100	0.15	87		
#200	0.075	77		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0286	45		
---	0.0201	34		
---	0.0120	20		
---	0.0093	16		
---	0.0066	10		
---	0.0048	6		
---	0.0034	4		
---	0.0014	1		

Coefficients

D ₈₅ = 0.1275 mm	D ₃₀ = 0.0171 mm
D ₆₀ = 0.0450 mm	D ₁₅ = 0.0087 mm
D ₅₀ = 0.0334 mm	D ₁₀ = 0.0066 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

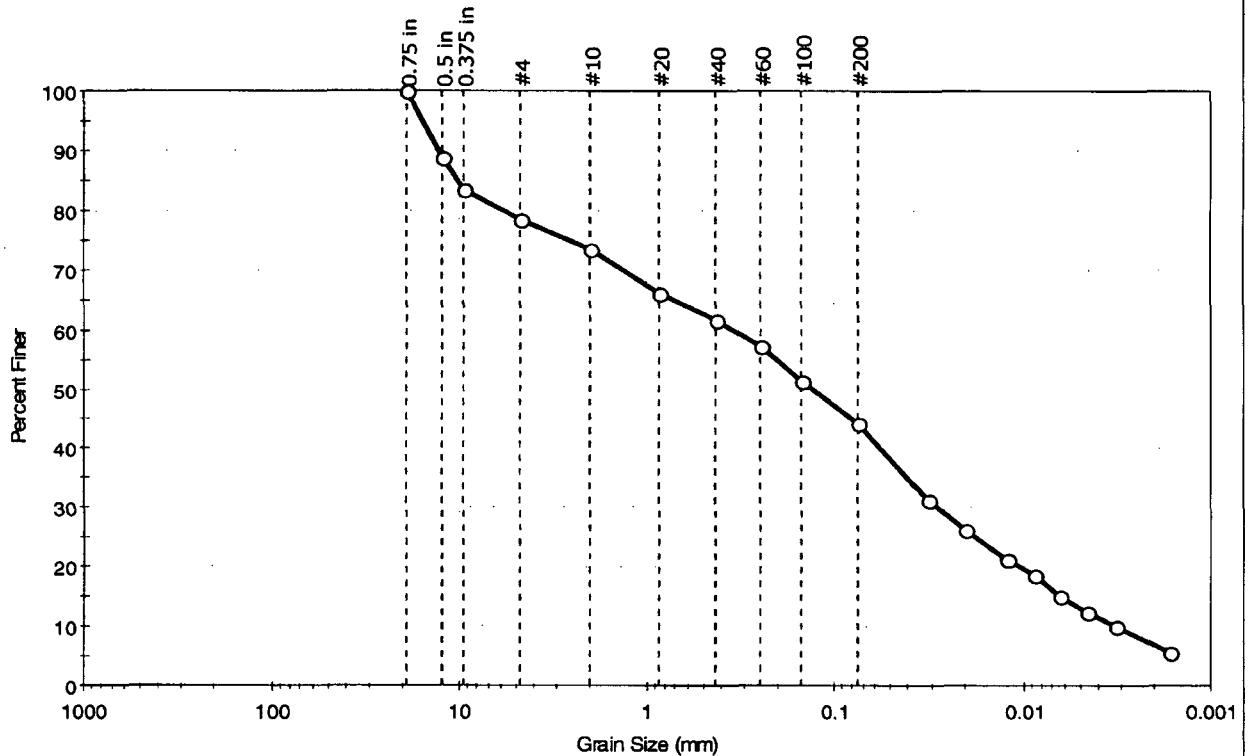
Sample/Test Description

Sand/Gravel Particle Shape : **ROUNDED**
 Sand/Gravel Hardness : **HARD**



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA		
Boring ID: ---	Sample Type: bag	Tested By: jbr
Sample ID: BBNPP-D1-C	Test Date: 10/28/10	Checked By: jdt
Depth: ---	Test Id: 195546	
Test Comment: ---		
Sample Description: Moist, brown sandy silt with gravel		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	21.5	34.2	44.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	89		
0.375 in	9.50	84		
#4	4.75	78		
#10	2.00	73		
#20	0.85	66		
#40	0.42	62		
#60	0.25	57		
#100	0.15	51		
#200	0.075	44		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0318	31		
---	0.0204	26		
---	0.0123	21		
---	0.0088	19		
---	0.0064	15		
---	0.0046	12		
---	0.0033	10		
---	0.0016	6		

Coefficients

D ₈₅ = 10.2388 mm	D ₃₀ = 0.0287 mm
D ₆₀ = 0.3529 mm	D ₁₅ = 0.0064 mm
D ₅₀ = 0.1311 mm	D ₁₀ = 0.0033 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

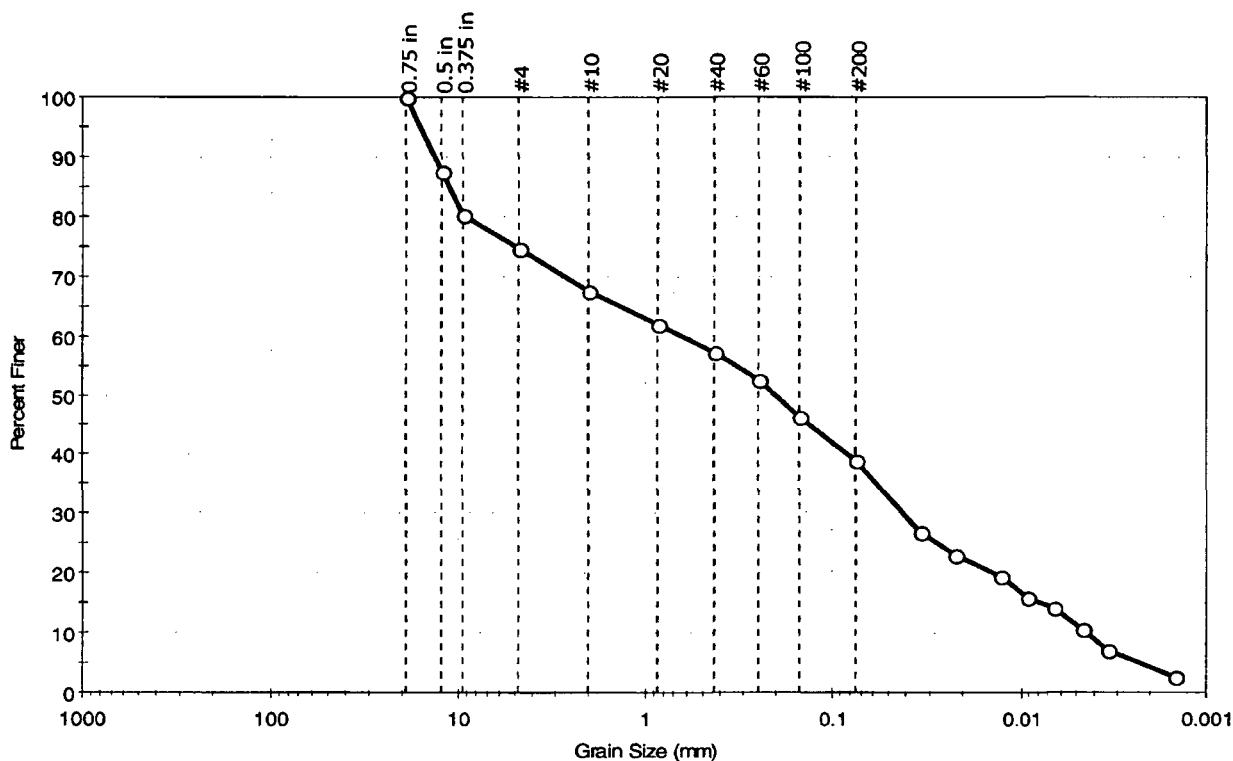
Sample/Test Description

Sand/Gravel Particle Shape : **ROUNDED**
 Sand/Gravel Hardness : **HARD**



Client: AECOM	Project No: GTX-10318	
Project: BBNPP		
Location: Berwick, PA	Boring ID: ---	Sample Type: bag
	Sample ID: BBNPP-D1-C-FD	Test Date: 10/29/10
	Depth: ---	Test Id: 195555
Test Comment: ---		
Sample Description: Moist brown silty sand with gravel		
Sample Comment: ---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	25.2	35.7	39.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	88		
0.375 in	9.50	80		
#4	4.75	75		
#10	2.00	68		
#20	0.85	62		
#40	0.42	57		
#60	0.25	53		
#100	0.15	46		
#200	0.075	39		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0339	27		
---	0.0223	23		
---	0.0129	19		
---	0.0092	16		
---	0.0066	14		
---	0.0046	11		
---	0.0034	7		
---	0.0015	3		

Coefficients

$D_{85} = 11.3424 \text{ mm}$ $D_{30} = 0.0419 \text{ mm}$
 $D_{60} = 0.6438 \text{ mm}$ $D_{15} = 0.0079 \text{ mm}$
 $D_{50} = 0.2032 \text{ mm}$ $D_{10} = 0.0044 \text{ mm}$
 $C_u = \text{N/A}$ $C_c = \text{N/A}$

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

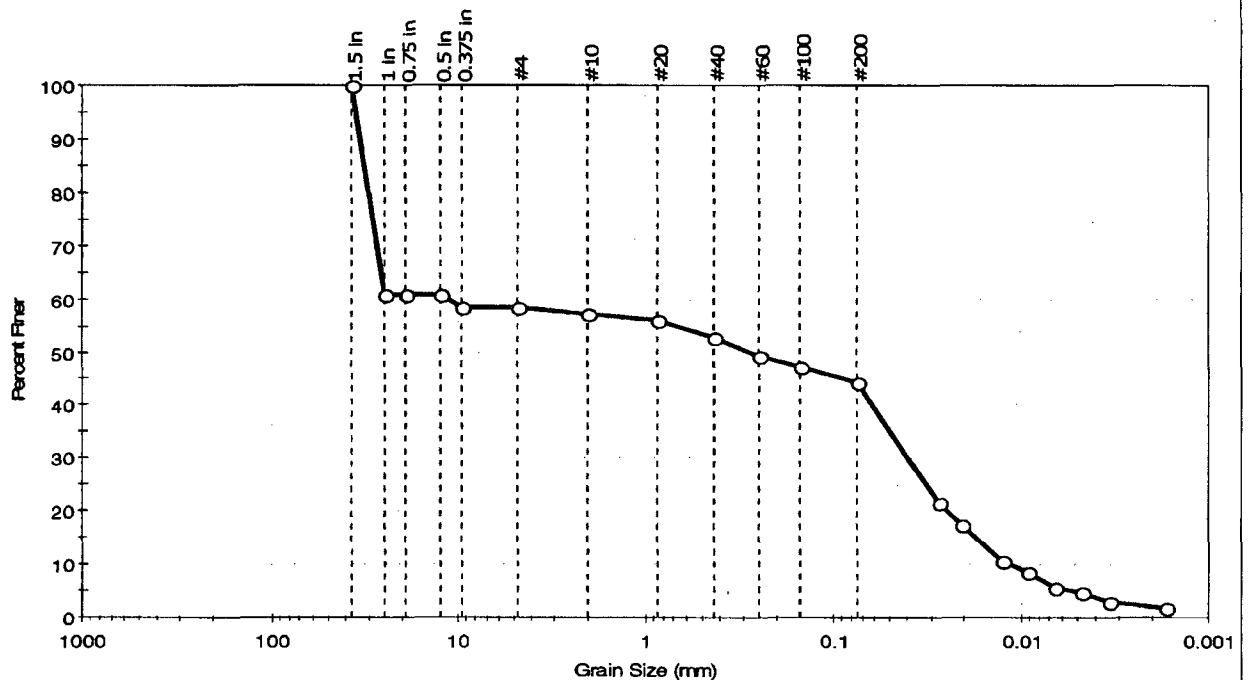
Sample/Test Description

Sand/Gravel Particle Shape : **ROUNDED**
 Sand/Gravel Hardness : **HARD**



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-D2	Test Date: 10/29/10	Test Id: 195545	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silty gravel			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	41.7	14.2	44.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	61		
0.75 in	19.00	61		
0.5 in	12.50	61		
0.375 in	9.50	59		
#4	4.75	58		
#10	2.00	57		
#20	0.85	56		
#40	0.42	53		
#60	0.25	49		
#100	0.15	47		
#200	0.075	44		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0275	21		
---	0.0205	17		
---	0.0125	11		
---	0.0092	9		
---	0.0067	6		
---	0.0047	5		
---	0.0033	3		
---	0.0017	2		

Coefficients

D ₈₅ = 32.1329 mm	D ₃₀ = 0.0402 mm
D ₆₀ = 11.5151 mm	D ₁₅ = 0.0172 mm
D ₅₀ = 0.2750 mm	D ₁₀ = 0.0114 mm
C _u = N/A	C _c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

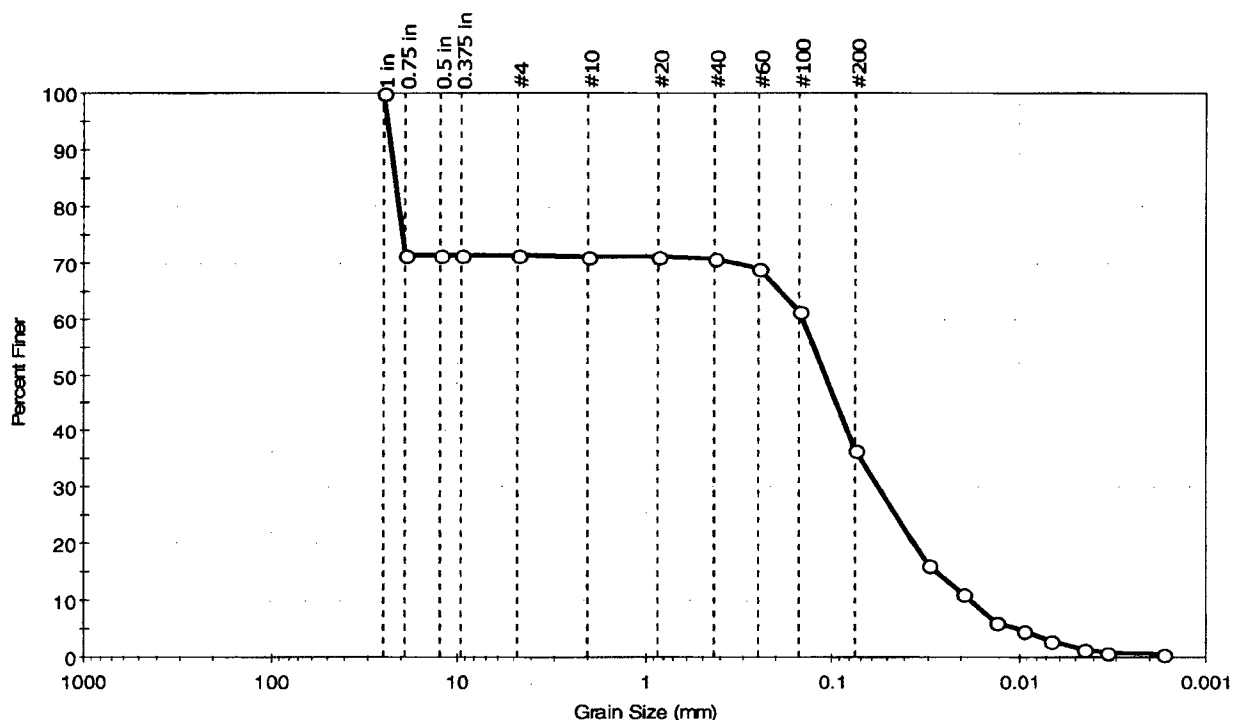
Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Client: AECOM	Project: BBNPP	Location: Berwick, PA	Project No: GTX-10318
Boring ID: ---	Sample Type: bag	Tested By: jbr	Checked By: jdt
Sample ID: BBNPP-R-C	Test Date: 10/27/10	Test Id: 195547	
Depth: ---			
Test Comment: ---			
Sample Description: Moist, brown silty sand with gravel			
Sample Comment: ---			

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	28.7	34.6	36.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	71		
0.5 in	12.50	71		
0.375 in	9.50	71		
#4	4.75	71		
#10	2.00	71		
#20	0.85	71		
#40	0.42	71		
#60	0.25	69		
#100	0.15	61		
#200	0.075	37		
---	Particle Size (mm)	Percent Finer	Spec. Percent	Complies
---	0.0307	16		
---	0.0198	11		
---	0.0132	6		
---	0.0093	5		
---	0.0067	3		
---	0.0045	2		
---	0.0034	1		
---	0.0017	1		

Coefficients

D ₈₅ = 21.6559 mm	D ₃₀ = 0.0561 mm
D ₆₀ = 0.1441 mm	D ₁₅ = 0.0277 mm
D ₅₀ = 0.1089 mm	D ₁₀ = 0.0179 mm
C _u = N/A	C _c = N/A

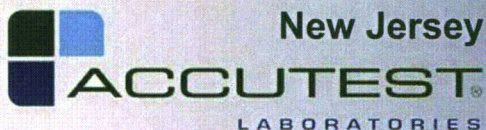
Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD



Reissue #3
01/21/11

Technical Report for

AECOM, INC.

Bell Bend Nuclear Power Plant, Salem Township, PA

60160208

Accutest Job Number: JA58750

Sampling Dates: 10/12/10 - 10/13/10

Report to:

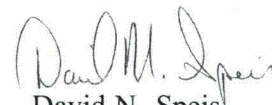
AECOM, INC.
2 Technology Park Drive
Westford, MA 01886
andrea.mischel@aecom.com

ATTN: Dion Lewis

Total number of pages in report: **2212**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


David N. Speis
VP, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.



December 13, 2010

Mr. Dion Lewis
AECOM, Inc.
2 Technology Park Drive
Westford, MA 01886

RE: Accutest job JA58900 and JA58750

Dear Mr. Lewis,

The final reports for Accutest job numbers JA58900 and JA58750 have been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, the prep information was missing from original reports of JA58900 and JA58750. The instrument run logs of EH4374 for JA58750, as well as EH4374 and EH4375 for JA58900 have been included and resubmitted.

Accutest apologizes for this occurrence and for any inconvenience this situation may have caused. Please contact me if I can be of further assistance in this matter.

Sincerely,

A handwritten signature in cursive script that reads 'Tammy McCloskey'.

Accutest Laboratories



December 22, 2010

Mr. Dion Lewis
AECOM, INC.
2 Technology Park Drive
Westford, MA 01886

RE: Accutest Job # JA58900 and JA58750 reissues

Dear Mr. Lewis:

The final report for Accutest jobs number JA58900 and JA58750 have been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, the results for Thallium have been reported for JA58900-1 through -12, -14 as well as for JA58750-1 through -18 as per Andrea Mischel's requested dated on 12/16/2010.

Accutest apologizes for this occurrence and for any inconvenience this situation may have caused. Please contact me if I can be of further assistance in this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Tammy McCloskey".

Accutest Laboratories



January 21, 2011

Mr. Dion Lewis
AECOM, Inc.
2 Technology Park Drive
Westford, MA 01886

RE: Accutest Job # JA58750 reissues

Dear Mr. Lewis,

The final report for Accutest job number JA58750 has been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

The following compounds have been removed per client requested:

For AB8270: 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether,
4-Chlorophenyl-phenylether, Benzaldehyde,
Bis-(2-chloroethoxy)methane, Caprolactam, Dimethylphthalate

For P8081: Endrin Aldehyde Endrin Ketone

For V8260: 1,1,2-Trichloro-1,2,2-trifluoroethane, CHLORODIFLUOROMETHANE,
Dichlorodifluoromethane, METHYLACRYLONITRILE,
P-ISOROPYLATOLUENE, TRANS-1,4-DICHLOROBUTENE,
Trichlorofluoromethane, Vinyl Bromide

For 6010B: Titanium

Also the following compounds have been reported per client requested:

For AB8270: 1,2,4-trichlorobenzene, Pyridine, quinoline

For P8081: Chlordane

For H8151: Dalapon, Dinoseb

For V8260: 2-Nitropropane, n-Butyl Alcohol

Accutest apologizes for this occurrence and for any inconvenience this situation may have caused. Please contact me if I can be of further assistance in this matter.

Sincerely,

Accutest Laboratories

Cc: Andrea Mischel

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Sample Summary

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA58750-1	10/12/10	10:26 MH	10/13/10	SO	Soil	BBNP-CW1-C
JA58750-2	10/12/10	10:10 MH	10/13/10	SO	Soil	BBNP-CW2-C
JA58750-3	10/12/10	12:02 MH	10/13/10	SO	Soil	BBNP-CW3-C
JA58750-4	10/12/10	12:40 MH	10/13/10	SO	Soil	BBNP-CW6-C
JA58750-5	10/12/10	14:23 MH	10/13/10	SO	Soil	BBNP-CW9-C
JA58750-6	10/12/10	14:23 MH	10/13/10	SO	Soil	BBNP-CW9-FD
JA58750-7	10/12/10	14:51 MH	10/13/10	SO	Soil	BBNP-CW12-C
JA58750-8	10/12/10	15:49 MH	10/13/10	SO	Soil	BBNP-CW15-C
JA58750-9	10/12/10	16:11 MH	10/13/10	SO	Soil	BBNP-CW18-C
JA58750-10	10/12/10	16:29 MH	10/13/10	SO	Soil	BBNP-CW21-C
JA58750-11	10/13/10	08:25 MH	10/13/10	SO	Soil	BBNP-CW5-C
JA58750-11D	10/13/10	08:25 MH	10/13/10	SO	Soil Dup/MSD	BBNP-CW5-C-MSD
JA58750-11S	10/13/10	08:25 MH	10/13/10	SO	Soil Matrix Spike	BBNP-CW5-C-MS

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
Project No: 60160208

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA58750-12	10/13/10	08:55 MH	10/13/10	SO	Soil	BBNP-CW8-C
JA58750-13	10/13/10	09:25 MH	10/13/10	SO	Soil	BBNP-CW11-C
JA58750-14	10/13/10	10:01 MH	10/13/10	SO	Soil	BBNP-CW14-C
JA58750-15	10/13/10	10:25 MH	10/13/10	SO	Soil	BBNP-CW17-C
JA58750-16	10/13/10	11:15 MH	10/13/10	SO	Soil	BBNP-CW20-C
JA58750-17	10/13/10	11:58 MH	10/13/10	SO	Soil	BBNP-CW23-C
JA58750-18	10/13/10	11:15 MH	10/13/10	SO	Soil	BBNP-CW20-C-FD

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY**Client:** AECOM, INC.**Job No:** JA58750**Site:** Bell Bend Nuclear Power Plant, Salem Township, PA**Report Date** 1/21/2011 3:25:43 PM

On 10/13/2010, 18 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.8 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA58750 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method DAI BY GC/MS 8260SIM**Matrix:** SO**Batch ID:** EH4373

- ▣ All samples were analyzed within the recommended method holding time.
- ▣ Sample(s) JA58750-11MS, JA58750-11MSD were used as the QC samples indicated.
- ▣ All method blanks for this batch meet method specific criteria.
- ▣ Matrix Spike Recovery(s) for Ethylene Glycol are outside control limits. Outside control limits due to matrix interference.
- ▣ Matrix Spike Duplicate Recovery(s) for Ethylene Glycol are outside control limits. Probable cause due to matrix interference.
- ▣ JA58750-10 for Hexanol: double spiked.
- ▣ EH4373-BS for Hexanol: Surrogate added twice.
- ▣ EH4373-MB for Hexanol: Surrogate added twice.
- ▣ JA58750-12 for Hexanol: double spiked.
- ▣ JA58750-18 for Hexanol: double spiked.
- ▣ JA58750-15 for Hexanol: double spiked.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO	Batch ID: VX4575
-------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA58750-11MS, JA58750-11MSD, JA58750-11MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, Chloroprene, Hexane are outside control limits for sample JA58750-11MSD. Outside control limits due to matrix interference.

Matrix: SO	Batch ID: VX4577
-------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA59318-2MS, JA59318-2MSD, JA59318-2MSMSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Vinyl Acetate are outside control limits.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Probable cause due to matrix interference.
- JA58750-17: Confirmation run for surrogate recoveries.

Matrix: SO	Batch ID: VX4578
-------------------	-------------------------

- The data for SW846 8260B meets quality control requirements.
- JA58750-13: Confirmation run for surrogate recoveries.

Extractables by GCMS By Method SW846 8270C

Matrix: SO	Batch ID: OP46301
-------------------	--------------------------

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58750-11MS, JA58750-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081A

Matrix: SO	Batch ID: OP46352
-------------------	--------------------------

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58750-11MS, JA58750-11MSD, OP46352-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8082

Matrix: SO	Batch ID: OP46323
-------------------	--------------------------

- Sample(s) JA59417-33MS, JA59417-33MSD, OP46323-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8082: JA58750-2 Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

Matrix: SO	Batch ID: OP46353
-------------------	--------------------------

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58750-11MS, JA58750-11MSD, OP46353-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8141B

Matrix: SO	Batch ID: F:OP34745
-------------------	----------------------------

- The data for SW846 8141B meets quality control requirements.
- JA58750-7: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-13: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-18: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-16: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-2: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-3: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-14: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-9: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-10: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-15: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-6: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-5: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-4: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-17: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-12: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-11: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-1: Analysis performed at Accutest Laboratories, Orlando FL.
- JA58750-8: Analysis performed at Accutest Laboratories, Orlando FL.

Extractables by GC By Method SW846 8151

Matrix: SO	Batch ID: OP46195
-------------------	--------------------------

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58750-11MS, JA58750-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Dalapon are outside control limits. Probable cause due to matrix interference.
- JA58750-16 for 2,4-DCAA: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8315

Matrix: SO

Batch ID: M:OP22983

2

- The data for SW846 8315 meets quality control requirements.
- JA58750-15: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-14: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-13: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-3: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-13: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-9: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-8: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-16: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-7: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-6: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-6: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-5: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-5: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-4: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-4: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-7: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-1: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-17: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-17: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-16: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-18: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-18: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-3: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-2: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-14: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-2: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-9: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-1: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-10: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-10: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-11: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-11: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-12: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-12: Analysis performed at Accutest Laboratories, Marlborough, MA.
- JA58750-15: Analysis performed at Accutest Laboratories, Marlborough, MA.

Metals By Method SW846 6010B

Matrix: SO	Batch ID: MP55422
-------------------	--------------------------

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11MS, JA58750-11MSD, JA58750-11SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Serial Dilution for Cadmium, Selenium, Thallium are outside control limits for sample MP55422-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471A

Matrix: SO	Batch ID: MP55478
-------------------	--------------------------

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11MS, JA58750-11MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM D1498-76M

Matrix: SO	Batch ID: GN43788
-------------------	--------------------------

- Sample(s) JA58750-11DUP were used as the QC samples for Redox Potential Vs H2.

Wet Chemistry By Method CORP ENG 81M/SW9060M

Matrix: SO	Batch ID: GP56044
-------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11DUP, JA58750-11MS were used as the QC samples for Total Organic Carbon.
- JA58750-15 for Total Organic Carbon: Multiple injections indicate possible sample non-homogeneity.
- JA58750-12 for Total Organic Carbon: Multiple injections indicate possible sample non-homogeneity.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: SO	Batch ID: GP56061
-------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11DUP, JA58750-11MS, JA58750-8MS were used as the QC samples for Chloride, Sulfate, Chloride.

Wet Chemistry By Method EPA 353.2 M/LACHAT

Matrix: SO	Batch ID: GP55966
-------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11DUP, JA58750-11MS were used as the QC samples for Nitrogen, Nitrate + Nitrite.

Wet Chemistry By Method SM18 2540G

Matrix: SO	Batch ID: GN44114
-------------------	--------------------------

- The data for SM18 2540G meets quality control requirements.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO

Batch ID: GP56056

2

- ▣ All samples were prepared within the recommended method holding time.
- ▣ All method blanks for this batch meet method specific criteria.
- ▣ Sample(s) JA58750-11DUP, JA58750-11MS were used as the QC samples for Chromium, Hexavalent.
- ▣ Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (101%) on this sample.
- ▣ GP56056-S2 for Chromium, Hexavalent: Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: SO	Batch ID: R95069
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-11 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95070
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-1 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95071
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-2 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95072
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-3 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95073
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-4 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95074
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-5 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95075
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-6 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95076
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-7 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95077
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-8 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95078
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-9 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95079
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-10 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95080
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-12 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95081
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-13 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95082
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.

Friday, January 21, 2011

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Wet Chemistry By Method SW846 6010/7196A M

Matrix: SO	Batch ID: R95082
-------------------	-------------------------

- JA58750-14 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95083
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-15 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95084
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-16 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95085
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-18 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO	Batch ID: R95086
-------------------	-------------------------

- The data for SW846 6010/7196A M meets quality control requirements.
- JA58750-17 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 9012 M/LACHAT

Matrix: SO	Batch ID: GP55943
-------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-1DUP, JA58750-1MS were used as the QC samples for Cyanide.

Matrix: SO	Batch ID: GP55945
-------------------	--------------------------

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11DUP, JA58750-11MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SW846 9045C,D

Matrix: SO	Batch ID: GN43786
-------------------	--------------------------

- Sample(s) JA58750-11DUP were used as the QC samples for pH.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest New Jersey

Job No JA58750

Site: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Report Date 11/10/2010 12:42:34 PM

18 Sample(s) were collected between on 10/12/2010 and 10/13/2010 and were received at Accutest on 10/13/2010 properly preserved, at 2.5 Deg. C and intact. These Samples received an Accutest job number of JA58750. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8315

Matrix	SO	Batch ID:
		OP22983

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58750-11MS, JA58750-11MSD were used as the QC samples indicated.
- MS/MSD Recovery(s) for Formaldehyde are outside control limits. Outside control limits due to high level in sample relative to spike amount.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(JA58750).

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest New Jersey

Job JA58750

Site: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA **Report Date:** 11/4/2010 7:49:58 AM

18 Samples were collected on 10/12/2010 and 10/13/2010 and were received at Accutest SE on 10/15/2010 properly preserved, at 4.8 Deg. C and intact. These Samples received an Accutest job number of JA58750. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC by Method SW846 8141B

Matrix: SO

Batch ID: OP34745

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples JA58750-11MS, JA58750-11MSD were used as the QC samples indicated.

Blank Spike Recovery for Chlorpyrifos is outside control limits.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: November 04, 2010

Ellen Pampel, Inorganic QA (signature on file)

Thursday, November 04, 2010



Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: DAI BY GC/MS 8260SIM

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100542.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.32	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	70%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108264.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 11.7 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.5	1.2	ug/kg	
75-05-8	Acetonitrile	ND	55	13	ug/kg	
107-02-8	Acrolein	ND	27	7.8	ug/kg	
107-13-1	Acrylonitrile	ND	27	0.45	ug/kg	
107-05-1	Allyl chloride	ND	2.7	0.47	ug/kg	
71-43-2	Benzene	ND	0.55	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.7	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.7	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.14	ug/kg	
75-25-2	Bromoform	ND	2.7	0.082	ug/kg	
74-83-9	Bromomethane	ND	2.7	0.22	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	51	ug/kg	
104-51-8	n-Butylbenzene	ND	2.7	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.7	0.27	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.7	0.26	ug/kg	
75-15-0	Carbon disulfide	ND	2.7	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.7	0.30	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.18	ug/kg	
75-00-3	Chloroethane	ND	2.7	0.55	ug/kg	
67-66-3	Chloroform	ND	2.7	0.17	ug/kg	
74-87-3	Chloromethane	ND	2.7	0.090	ug/kg	
126-99-8	Chloroprene	ND	2.7	0.61	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.7	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	0.29	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.060	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.55	0.075	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.075	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.55	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.24	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW1-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-1	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 78.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.7	0.071	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.072	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.052	ug/kg	
123-91-1	1,4-Dioxane	ND	68	47	ug/kg	
106-89-8	Epichlorohydrin	ND	55	0.94	ug/kg	
141-78-6	Ethyl Acetate	ND	2.7	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.7	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.5	0.071	ug/kg	
100-41-4	Ethylbenzene	ND	0.55	0.20	ug/kg	
110-54-3	Hexane	ND	2.7	0.084	ug/kg	
78-83-1	Isobutyl alcohol	ND	27	6.8	ug/kg	
98-82-8	Isopropylbenzene	ND	2.7	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	2.7	0.45	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.55	0.15	ug/kg	
80-62-6	Methyl methacrylate	ND	5.5	0.62	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.7	0.44	ug/kg	
74-95-3	Methylene bromide	ND	2.7	0.096	ug/kg	
75-09-2	Methylene chloride	ND	2.7	0.12	ug/kg	
79-46-9	2-Nitropropane	ND	5.5	0.66	ug/kg	
103-65-1	n-Propylbenzene	ND	2.7	0.14	ug/kg	
100-42-5	Styrene	ND	2.7	0.058	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.7	0.058	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.079	ug/kg	
108-88-3	Toluene	ND	0.55	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.7		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.070	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.23	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.20	ug/kg	
108-05-4	Vinyl Acetate	ND	5.5	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.097	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-1	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 78.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8270C SW846 3550B

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2252.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	720	66	ug/kg	
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	36	11	ug/kg	
208-96-8	Acenaphthylene	ND	36	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.4	ug/kg	
62-53-3	Aniline	ND	72	7.6	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.1	ug/kg	
92-87-5	Benzidine	ND	720	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
100-51-6	Benzyl Alcohol	ND	72	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.2	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	72	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW1-C		
Lab Sample ID:	JA58750-1	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	36	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	72	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	13	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	72	32	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	ND	36	16	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	
110-86-1	Pyridine	ND	72	14	ug/kg	
91-22-5	Quinoline	ND	180	34	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW1-C	
Lab Sample ID: JA58750-1	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 78.4
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		30-109%
4165-62-2	Phenol-d5	35%		28-108%
118-79-6	2,4,6-Tribromophenol	36%		28-125%
4165-60-0	Nitrobenzene-d5	52%		28-113%
321-60-8	2-Fluorobiphenyl	51%		38-107%
1718-51-0	Terphenyl-d14	53%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11417.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	86	21	ug/kg	
333-41-5	Diazinon	ND	86	21	ug/kg	
62-73-7	Dichlorvos	ND	86	21	ug/kg	
60-51-5	Dimethoate	ND	86	21	ug/kg	
298-04-4	Disulfoton	ND	86	43	ug/kg	
56-38-2	Ethyl Parathion	ND	86	21	ug/kg	
121-75-5	Malathion	ND	86	21	ug/kg	
298-00-0	Methyl Parathion	ND	86	21	ug/kg	
298-02-2	Phorate	ND	86	21	ug/kg	
299-84-3	Ronnel	ND	86	21	ug/kg	
3689-24-5	Sulfotep	ND	86	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	109%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8151 SW846 3550B

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95226.D	1	10/19/10	TDR	10/15/10	OP46195	GW3331
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	0.70	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.4	ug/kg	
75-99-0	Dalapon	ND	3.6	2.5	ug/kg	
88-85-7	Dinoseb	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	90%		13-146%
19719-28-9	2,4-DCAA	52%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28454.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28497.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	18700 ^b	5100	720	ug/kg	
75-07-0	Acetaldehyde	108	1000	60	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	141%	137%	18-186%
123-72-8	Butyraldehyde	140%	143%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

3.1

Client Sample ID:	BBNP-CW1-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-1	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.4
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58378.D	1	11/01/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.67	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.46	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.72	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.41	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.46	ug/kg	
12789-03-6	Chlordane	ND	37	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.50	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.58	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.52	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.63	ug/kg	
72-20-8	Endrin	ND	1.5	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.51	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.57	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.66	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		23-137%
877-09-8	Tetrachloro-m-xylene	73%		23-137%
2051-24-3	Decachlorobiphenyl	93%		22-160%
2051-24-3	Decachlorobiphenyl	92%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.1

Client Sample ID:	BBNP-CW1-C				
Lab Sample ID:	JA58750-1			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8082 SW846 3545			Percent Solids:	78.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50317.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	25	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.4	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.4	ug/kg	
11096-82-5	Aroclor 1260	ND	37	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		22-141%
877-09-8	Tetrachloro-m-xylene	76%		22-141%
2051-24-3	Decachlorobiphenyl	105%		18-163%
2051-24-3	Decachlorobiphenyl	110%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	5.4	2.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	40.7	25	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.43	0.25	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 13	13	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.63	0.63	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	10.8	1.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	13.7	6.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	17.0	3.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	13.0	2.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	344	1.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.039	0.039	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	25.9	5.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.5	2.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.63	0.63	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.3	1.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.3	6.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	10.4	6.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	271	2.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW1-C

Lab Sample ID: JA58750-1

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 78.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 13:24	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.51	0.51	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	10.3	1.8	mg/kg	1	11/01/10 22:31	GT	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	10/25/10 13:04	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 24	24	mg/kg	1	10/26/10 10:49	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	337		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	78.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 130	130	mg/kg	1	10/28/10 13:24	MS	EPA 300/SW846 9056
Total Organic Carbon	11500	1300	mg/kg	1	10/27/10 12:57	SJG	CORP ENG 81M/SW9060M
pH	6.74		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW2-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-2	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100543.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.095	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	108%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.2

3

Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108265.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 11.2 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.4	1.2	ug/kg	
75-05-8	Acetonitrile	ND	54	13	ug/kg	
107-02-8	Acrolein	ND	27	7.7	ug/kg	
107-13-1	Acrylonitrile	ND	27	0.45	ug/kg	
107-05-1	Allyl chloride	ND	2.7	0.47	ug/kg	
71-43-2	Benzene	ND	0.54	0.18	ug/kg	
100-44-7	Benzyl Chloride	ND	2.7	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.7	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.14	ug/kg	
75-25-2	Bromoform	ND	2.7	0.082	ug/kg	
74-83-9	Bromomethane	ND	2.7	0.22	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.4	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	51	ug/kg	
104-51-8	n-Butylbenzene	ND	2.7	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.7	0.26	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.7	0.26	ug/kg	
75-15-0	Carbon disulfide	ND	2.7	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.7	0.30	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.18	ug/kg	
75-00-3	Chloroethane	ND	2.7	0.54	ug/kg	
67-66-3	Chloroform	ND	2.7	0.17	ug/kg	
74-87-3	Chloromethane	ND	2.7	0.089	ug/kg	
126-99-8	Chloroprene	ND	2.7	0.60	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.7	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	0.29	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.060	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.54	0.074	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.075	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.54	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.24	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW2-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-2	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 82.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.7	0.070	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.072	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.052	ug/kg	
123-91-1	1,4-Dioxane	ND	68	47	ug/kg	
106-89-8	Epichlorohydrin	ND	54	0.94	ug/kg	
141-78-6	Ethyl Acetate	ND	2.7	1.0	ug/kg	
60-29-7	Ethyl Ether	ND	2.7	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.4	0.070	ug/kg	
100-41-4	Ethylbenzene	ND	0.54	0.20	ug/kg	
110-54-3	Hexane	ND	2.7	0.083	ug/kg	
78-83-1	Isobutyl alcohol	ND	27	6.7	ug/kg	
98-82-8	Isopropylbenzene	ND	2.7	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	2.7	0.45	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.54	0.15	ug/kg	
80-62-6	Methyl methacrylate	ND	5.4	0.62	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.7	0.44	ug/kg	
74-95-3	Methylene bromide	ND	2.7	0.095	ug/kg	
75-09-2	Methylene chloride	ND	2.7	0.12	ug/kg	
79-46-9	2-Nitropropane	ND	5.4	0.66	ug/kg	
103-65-1	n-Propylbenzene	ND	2.7	0.14	ug/kg	
100-42-5	Styrene	ND	2.7	0.058	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.7	0.057	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.079	ug/kg	
108-88-3	Toluene	ND	0.54	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.7		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.069	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.28	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.23	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.19	ug/kg	
108-05-4	Vinyl Acetate	ND	5.4	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.096	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW2-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-2	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 82.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	



VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	114%		62-138%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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Accutest Laboratories

Report of Analysis

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3.2

Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8270C SW846 3550B

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2253.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	690	63	ug/kg	
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	58	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
62-53-3	Aniline	ND	69	7.3	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
92-87-5	Benzidine	ND	690	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	69	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW2-C		
Lab Sample ID:	JA58750-2	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	69	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	69	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	31	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	35	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	69	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	
110-86-1	Pyridine	ND	69	14	ug/kg	
91-22-5	Quinoline	ND	170	33	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW2-C	
Lab Sample ID: JA58750-2	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 82.4
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		30-109%
4165-62-2	Phenol-d5	48%		28-108%
118-79-6	2,4,6-Tribromophenol	44%		28-125%
4165-60-0	Nitrobenzene-d5	58%		28-113%
321-60-8	2-Fluorobiphenyl	54%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11418.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

Run #	Initial Weight	Final Volume
Run #1	29.9 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	81	20	ug/kg	
333-41-5	Diazinon	ND	81	20	ug/kg	
62-73-7	Dichlorvos	ND	81	20	ug/kg	
60-51-5	Dimethoate	ND	81	20	ug/kg	
298-04-4	Disulfoton	ND	81	41	ug/kg	
56-38-2	Ethyl Parathion	ND	81	20	ug/kg	
121-75-5	Malathion	ND	81	20	ug/kg	
298-00-0	Methyl Parathion	ND	81	20	ug/kg	
298-02-2	Phorate	ND	81	20	ug/kg	
299-84-3	Ronnel	ND	81	20	ug/kg	
3689-24-5	Sulfotep	ND	81	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	98%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.2

Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8151 SW846 3550B

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95322.D	1	10/21/10	TDR	10/15/10	OP46195	GW3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.66	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.4	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	101%		13-146%
19719-28-9	2,4-DCAA	56%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28455.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28498.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	20300 ^b	4900	690	ug/kg	
75-07-0	Acetaldehyde	65.1	970	57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	126%	126%	18-186%
123-72-8	Butyraldehyde	125%	131%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.2

Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58379.D	1	11/01/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.69	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	1.8	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		23-137%
877-09-8	Tetrachloro-m-xylene	75%		23-137%
2051-24-3	Decachlorobiphenyl	85%		22-160%
2051-24-3	Decachlorobiphenyl	84%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.2

Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	OA68390.D	1	11/03/10	AZ	11/03/10	OP46323	GOA2391
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		22-141%
877-09-8	Tetrachloro-m-xylene	88%		22-141%
2051-24-3	Decachlorobiphenyl	89%		18-163%
2051-24-3	Decachlorobiphenyl	91%		18-163%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW2-C

Lab Sample ID: JA58750-2

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 82.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	3.1	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.30	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	8.9	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.6	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	14.3	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	7.8	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	373	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.040	0.040	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	13.8	4.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	7.3	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	36.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW2-C**Lab Sample ID:** JA58750-2**Matrix:** SO - Soil**Date Sampled:** 10/12/10**Date Received:** 10/13/10**Percent Solids:** 82.4**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 13:48	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.49	0.49	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	8.9	1.7	mg/kg	1	11/01/10 22:37	GT	SW846 6010/7196A M
Cyanide	< 0.25	0.25	mg/kg	1	10/25/10 13:05	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:51	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	355		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	82.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 13:48	MS	EPA 300/SW846 9056
Total Organic Carbon	7770	1200	mg/kg	1	10/28/10 15:07	SJG	CORP ENG 81M/SW9060M
pH	7.49		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.3

Client Sample ID: BBNP-CW3-C**Lab Sample ID:** JA58750-3**Date Sampled:** 10/12/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** DAI BY GC/MS 8260SIM**Percent Solids:** 83.7**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100544.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	90%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108266.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 11.0 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.4	1.2	ug/kg	
75-05-8	Acetonitrile	ND	54	13	ug/kg	
107-02-8	Acrolein	ND	27	7.8	ug/kg	
107-13-1	Acrylonitrile	ND	27	0.45	ug/kg	
107-05-1	Allyl chloride	ND	2.7	0.47	ug/kg	
71-43-2	Benzene	ND	0.54	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.7	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.7	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.14	ug/kg	
75-25-2	Bromoform	ND	2.7	0.082	ug/kg	
74-83-9	Bromomethane	ND	2.7	0.22	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.4	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	51	ug/kg	
104-51-8	n-Butylbenzene	ND	2.7	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.7	0.27	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.7	0.26	ug/kg	
75-15-0	Carbon disulfide	ND	2.7	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.7	0.30	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.18	ug/kg	
75-00-3	Chloroethane	ND	2.7	0.54	ug/kg	
67-66-3	Chloroform	ND	2.7	0.17	ug/kg	
74-87-3	Chloromethane	ND	2.7	0.090	ug/kg	
126-99-8	Chloroprene	ND	2.7	0.60	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.7	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	0.29	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.060	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.54	0.074	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.075	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.54	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.24	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW3-C		
Lab Sample ID:	JA58750-3	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	83.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.7	0.071	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.072	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.052	ug/kg	
123-91-1	1,4-Dioxane	ND	68	47	ug/kg	
106-89-8	Epichlorohydrin	ND	54	0.94	ug/kg	
141-78-6	Ethyl Acetate	ND	2.7	1.0	ug/kg	
60-29-7	Ethyl Ether	ND	2.7	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.4	0.071	ug/kg	
100-41-4	Ethylbenzene	ND	0.54	0.20	ug/kg	
110-54-3	Hexane	ND	2.7	0.084	ug/kg	
78-83-1	Isobutyl alcohol	ND	27	6.7	ug/kg	
98-82-8	Isopropylbenzene	ND	2.7	0.28	ug/kg	
79-20-9	Methyl Acetate	ND	2.7	0.45	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.54	0.15	ug/kg	
80-62-6	Methyl methacrylate	ND	5.4	0.62	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.7	0.44	ug/kg	
74-95-3	Methylene bromide	ND	2.7	0.096	ug/kg	
75-09-2	Methylene chloride	ND	2.7	0.12	ug/kg	
79-46-9	2-Nitropropane	ND	5.4	0.66	ug/kg	
103-65-1	n-Propylbenzene	ND	2.7	0.14	ug/kg	
100-42-5	Styrene	ND	2.7	0.058	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.7	0.058	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.079	ug/kg	
108-88-3	Toluene	ND	0.54	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.7		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.070	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.23	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.19	ug/kg	
108-05-4	Vinyl Acetate	ND	5.4	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.097	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW3-C**Lab Sample ID:** JA58750-3**Date Sampled:** 10/12/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** SW846 8260B**Percent Solids:** 83.7**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	116%		62-138%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.3



Client Sample ID:	BBNP-CW3-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-3	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2254.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	680	62	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	42	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
62-53-3	Aniline	ND	68	7.1	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
92-87-5	Benzidine	ND	680	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	68	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	3.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	68	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW3-C		
Lab Sample ID:	JA58750-3	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	68	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.8	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	68	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	15	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	68	14	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW3-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-3	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.7
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		30-109%
4165-62-2	Phenol-d5	37%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	49%		28-113%
321-60-8	2-Fluorobiphenyl	49%		38-107%
1718-51-0	Terphenyl-d14	58%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J' = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11419.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	79	20	ug/kg	
333-41-5	Diazinon	ND	79	20	ug/kg	
62-73-7	Dichlorvos	ND	79	20	ug/kg	
60-51-5	Dimethoate	ND	79	20	ug/kg	
298-04-4	Disulfoton	ND	79	39	ug/kg	
56-38-2	Ethyl Parathion	ND	79	20	ug/kg	
121-75-5	Malathion	ND	79	20	ug/kg	
298-00-0	Methyl Parathion	ND	79	20	ug/kg	
298-02-2	Phorate	ND	79	20	ug/kg	
299-84-3	Ronnel	ND	79	20	ug/kg	
3689-24-5	Sulfotep	ND	79	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	116%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW3-C**Lab Sample ID:** JA58750-3**Date Sampled:** 10/12/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** SW846 8151 SW846 3550B**Percent Solids:** 83.7**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95323.D	1	10/21/10	TDR	10/15/10	OP46195	GWV3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.65	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.3	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	89%		13-146%
19719-28-9	2,4-DCAA	58%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28456.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28499.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	9470 ^b	4800	680	ug/kg	
75-07-0	Acetaldehyde	65.9	960	56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	117%	120%	18-186%
123-72-8	Butyraldehyde	115%	123%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW3-C		
Lab Sample ID:	JA58750-3	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8081A SW846 3545	Percent Solids:	83.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58380.D	1	11/01/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.62	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.59	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.53	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.53	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.62	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		23-137%
877-09-8	Tetrachloro-m-xylene	79%		23-137%
2051-24-3	Decachlorobiphenyl	98%		22-160%
2051-24-3	Decachlorobiphenyl	96%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.3

Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50319.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	12	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.7	ug/kg	
11096-82-5	Aroclor 1260	ND	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		22-141%
877-09-8	Tetrachloro-m-xylene	85%		22-141%
2051-24-3	Decachlorobiphenyl	113%		18-163%
2051-24-3	Decachlorobiphenyl	118%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Arsenic	2.8	2.4	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Beryllium	0.26	0.24	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Cadmium	< 0.61	0.61	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Chromium	6.1	1.2	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Cobalt	< 6.1	6.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Copper	10.8	3.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Lead	7.2	2.4	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Manganese	308	1.8	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Mercury	< 0.038	0.038	mg/kg	1	11/03/10	11/05/10 JF	SW846 7471A ²	SW846 7471A ⁴
Nickel	10.1	4.9	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Silver	< 0.61	0.61	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Tin	< 6.1	6.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Vanadium	< 6.1	6.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Zinc	28.5	2.4	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW3-C

Lab Sample ID: JA58750-3

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 83.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 14:12	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	6.1	1.7	mg/kg	1	11/01/10 22:43	GT	SW846 6010/7196A M
Cyanide	< 0.25	0.25	mg/kg	1	10/25/10 13:06	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 22	22	mg/kg	1	10/26/10 10:52	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	354		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	83.7		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 14:12	MS	EPA 300/SW846 9056
Total Organic Carbon	7170	1200	mg/kg	1	10/28/10 15:18	SJG	CORP ENG 81M/SW9060M
pH	7.70		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.4

Client Sample ID:	BBNP-CW6-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-4	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100545.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	110%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.4

3

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108267.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Run #	Initial Weight
Run #1	10.4 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.8	1.3	ug/kg	
75-05-8	Acetonitrile	ND	58	14	ug/kg	
107-02-8	Acrolein	ND	29	8.2	ug/kg	
107-13-1	Acrylonitrile	ND	29	0.48	ug/kg	
107-05-1	Allyl chloride	ND	2.9	0.50	ug/kg	
71-43-2	Benzene	ND	0.58	0.20	ug/kg	
100-44-7	Benzyl Chloride	ND	2.9	0.23	ug/kg	
74-97-5	Bromochloromethane	ND	2.9	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.15	ug/kg	
75-25-2	Bromoform	ND	2.9	0.087	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	54	ug/kg	
104-51-8	n-Butylbenzene	ND	2.9	0.22	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.9	0.28	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.9	0.27	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.32	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.20	ug/kg	
75-00-3	Chloroethane	ND	2.9	0.58	ug/kg	
67-66-3	Chloroform	ND	2.9	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.9	0.095	ug/kg	
126-99-8	Chloroprene	ND	2.9	0.64	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.9	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	0.31	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.063	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.58	0.079	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.080	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.58	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	0.38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW6-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-4	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.9	0.075	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.077	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.055	ug/kg	
123-91-1	1,4-Dioxane	ND	72	50	ug/kg	
106-89-8	Epichlorohydrin	ND	58	1.0	ug/kg	
141-78-6	Ethyl Acetate	ND	2.9	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.9	0.19	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.8	0.075	ug/kg	
100-41-4	Ethylbenzene	ND	0.58	0.21	ug/kg	
110-54-3	Hexane	ND	2.9	0.089	ug/kg	
78-83-1	Isobutyl alcohol	ND	29	7.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.9	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	2.9	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.58	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.9	0.47	ug/kg	
74-95-3	Methylene bromide	ND	2.9	0.10	ug/kg	
75-09-2	Methylene chloride	ND	2.9	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.8	0.70	ug/kg	
103-65-1	n-Propylbenzene	ND	2.9	0.15	ug/kg	
100-42-5	Styrene	ND	2.9	0.062	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.9	0.061	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.084	ug/kg	
108-88-3	Toluene	ND	0.58	0.17	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.9		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.074	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.11	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.21	ug/kg	
108-05-4	Vinyl Acetate	ND	5.8	0.61	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	96%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.4

Client Sample ID: BBNP-CW6-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-4	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	



VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	138%		62-138%

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Accutest Laboratories

Report of Analysis

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3.4

Client Sample ID: BBNP-CW6-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-4	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.4
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2255.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	680	62	ug/kg	
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	42	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
62-53-3	Aniline	ND	68	7.2	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
92-87-5	Benzidine	ND	680	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	68	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	4.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	68	16	ug/kg	

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 RL = Reporting Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW6-C		
Lab Sample ID:	JA58750-4	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	68	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.9	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	68	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	68	14	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.1	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW6-C	
Lab Sample ID: JA58750-4	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 83.4
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		30-109%
4165-62-2	Phenol-d5	34%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	45%		28-113%
321-60-8	2-Fluorobiphenyl	42%		38-107%
1718-51-0	Terphenyl-d14	57%		31-116%

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Accutest Laboratories

Report of Analysis

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3.4

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11420.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

Run #	Initial Weight	Final Volume
Run #1	29.7 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	81	20	ug/kg	
333-41-5	Diazinon	ND	81	20	ug/kg	
62-73-7	Dichlorvos	ND	81	20	ug/kg	
60-51-5	Dimethoate	ND	81	20	ug/kg	
298-04-4	Disulfoton	ND	81	40	ug/kg	
56-38-2	Ethyl Parathion	ND	81	20	ug/kg	
121-75-5	Malathion	ND	81	20	ug/kg	
298-00-0	Methyl Parathion	ND	81	20	ug/kg	
298-02-2	Phorate	ND	81	20	ug/kg	
299-84-3	Ronnel	ND	81	20	ug/kg	
3689-24-5	Sulfotep	ND	81	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	104%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

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Accutest Laboratories

Report of Analysis

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3.4

Client Sample ID:	BBNP-CW6-C				
Lab Sample ID:	JA58750-4			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	83.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95324.D	1	10/21/10	TDR	10/15/10	OP46195	GW3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.65	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.3	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	87%		13-146%
19719-28-9	2,4-DCAA	95%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
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Accutest Laboratories

Report of Analysis

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3.4

3.4

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28457.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28500.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	18400 ^b	4800	680	ug/kg	
75-07-0	Acetaldehyde	65.7	960	56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	125%	121%	18-186%
123-72-8	Butyraldehyde	124%	126%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.4

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Client Sample ID:	BBNP-CW6-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-4	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58383.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.62	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		23-137%
877-09-8	Tetrachloro-m-xylene	76%		23-137%
2051-24-3	Decachlorobiphenyl	96%		22-160%
2051-24-3	Decachlorobiphenyl	95%		22-160%

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.4

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50320.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		22-141%
877-09-8	Tetrachloro-m-xylene	78%		22-141%
2051-24-3	Decachlorobiphenyl	108%		18-163%
2051-24-3	Decachlorobiphenyl	110%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	2.9	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.29	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	6.8	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	12.4	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	7.7	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	428	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.036	0.036	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	11.5	4.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	6.6	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	32.7	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

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3.4

Client Sample ID: BBNP-CW6-C

Lab Sample ID: JA58750-4

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 83.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 14:36	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	6.8	1.7	mg/kg	1	11/01/10 22:49	GT	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	10/25/10 13:10	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:53	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	355		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	83.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 14:36	MS	EPA 300/SW846 9056
Total Organic Carbon	7290	1200	mg/kg	1	10/27/10 13:31	SJG	CORP ENG 81M/SW9060M
pH	7.96		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.5



Client Sample ID:	BBNP-CW9-C		Date Sampled:	10/12/10
Lab Sample ID:	JA58750-5		Date Received:	10/13/10
Matrix:	SO - Soil		Percent Solids:	78.3
Method:	DAI BY GC/MS 8260SIM			
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100546.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.32	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	114%		50-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.5

Client Sample ID: BBNP-CW9-C

Lab Sample ID: JA58750-5

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 78.3

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108268.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 11.6 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.5	1.2	ug/kg	
75-05-8	Acetonitrile	ND	55	13	ug/kg	
107-02-8	Acrolein	ND	28	7.9	ug/kg	
107-13-1	Acrylonitrile	ND	28	0.45	ug/kg	
107-05-1	Allyl chloride	ND	2.8	0.47	ug/kg	
71-43-2	Benzene	ND	0.55	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.8	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.8	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.14	ug/kg	
75-25-2	Bromoform	ND	2.8	0.083	ug/kg	
74-83-9	Bromomethane	ND	2.8	0.22	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.5	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	52	ug/kg	
104-51-8	n-Butylbenzene	ND	2.8	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.8	0.27	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.8	0.26	ug/kg	
75-15-0	Carbon disulfide	ND	2.8	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.8	0.31	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.19	ug/kg	
75-00-3	Chloroethane	ND	2.8	0.55	ug/kg	
67-66-3	Chloroform	ND	2.8	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.8	0.091	ug/kg	
126-99-8	Chloroprene	ND	2.8	0.61	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.8	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	0.30	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.061	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.55	0.075	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.8	0.076	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.55	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.8	0.36	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.8	0.13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW9-C		
Lab Sample ID:	JA58750-5	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	78.3
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.8	0.072	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.073	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.053	ug/kg	
123-91-1	1,4-Dioxane	ND	69	48	ug/kg	
106-89-8	Epichlorohydrin	ND	55	0.95	ug/kg	
141-78-6	Ethyl Acetate	ND	2.8	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.8	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.5	0.072	ug/kg	
100-41-4	Ethylbenzene	ND	0.55	0.20	ug/kg	
110-54-3	Hexane	ND	2.8	0.085	ug/kg	
78-83-1	Isobutyl alcohol	ND	28	6.8	ug/kg	
98-82-8	Isopropylbenzene	ND	2.8	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	2.8	0.45	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.55	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.5	0.63	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.8	0.45	ug/kg	
74-95-3	Methylene bromide	ND	2.8	0.097	ug/kg	
75-09-2	Methylene chloride	ND	2.8	0.12	ug/kg	
79-46-9	2-Nitropropane	ND	5.5	0.67	ug/kg	
103-65-1	n-Propylbenzene	ND	2.8	0.14	ug/kg	
100-42-5	Styrene	ND	2.8	0.059	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.8	0.058	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.080	ug/kg	
108-88-3	Toluene	ND	0.55	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.8		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.070	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.8	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.8	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	0.20	ug/kg	
108-05-4	Vinyl Acetate	ND	5.5	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.098	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	94%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW9-C	
Lab Sample ID: JA58750-5	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8260B	Percent Solids: 78.3
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	117%		62-138%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.5

Client Sample ID:	BBNP-CW9-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-5	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2256.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	730	66	ug/kg	
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	44	ug/kg	
95-48-7	2-Methylphenol	ND	73	41	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	36	11	ug/kg	
208-96-8	Acenaphthylene	ND	36	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.4	ug/kg	
62-53-3	Aniline	ND	73	7.6	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.2	ug/kg	
92-87-5	Benzidine	ND	730	140	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
100-51-6	Benzyl Alcohol	ND	73	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	4.2	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	73	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW9-C		
Lab Sample ID:	JA58750-5	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.3
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	36	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	73	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	73	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	73	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	13	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	73	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	73	32	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	ND	36	17	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	
110-86-1	Pyridine	ND	73	15	ug/kg	
91-22-5	Quinoline	ND	180	34	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW9-C		
Lab Sample ID:	JA58750-5	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.3
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-109%
4165-62-2	Phenol-d5	39%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	53%		28-113%
321-60-8	2-Fluorobiphenyl	51%		38-107%
1718-51-0	Terphenyl-d14	68%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.5



Client Sample ID:	BBNP-CW9-C				
Lab Sample ID:	JA58750-5			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	78.3
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11421.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	85	21	ug/kg	
333-41-5	Diazinon	ND	85	21	ug/kg	
62-73-7	Dichlorvos	ND	85	21	ug/kg	
60-51-5	Dimethoate	ND	85	21	ug/kg	
298-04-4	Disulfoton	ND	85	43	ug/kg	
56-38-2	Ethyl Parathion	ND	85	21	ug/kg	
121-75-5	Malathion	ND	85	21	ug/kg	
298-00-0	Methyl Parathion	ND	85	21	ug/kg	
298-02-2	Phorate	ND	85	21	ug/kg	
299-84-3	Ronnel	ND	85	21	ug/kg	
3689-24-5	Sulfotep	ND	85	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	105%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW9-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-5	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8151 SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95227.D	1	10/19/10	TDR	10/15/10	OP46195	GW3331
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	0.70	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.4	ug/kg	
75-99-0	Dalapon	ND	3.6	2.5	ug/kg	
88-85-7	Dinoseb	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	101%		13-146%
19719-28-9	2,4-DCAA	54%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID: BBNP-CW9-C

Lab Sample ID: JA58750-5

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 78.3

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28458.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28501.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	16400 ^b	5100	730	ug/kg	
75-07-0	Acetaldehyde	ND	1000	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	121%	119%	18-186%
123-72-8	Butyraldehyde	122%	124%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.5



Client Sample ID:	BBNP-CW9-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-5	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58384.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.67	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.46	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.72	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.41	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.46	ug/kg	
12789-03-6	Chlordane	ND	37	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.50	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.58	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.52	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.63	ug/kg	
72-20-8	Endrin	ND	1.5	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.51	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.57	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.67	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		23-137%
877-09-8	Tetrachloro-m-xylene	64%		23-137%
2051-24-3	Decachlorobiphenyl	102%		22-160%
2051-24-3	Decachlorobiphenyl	92%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.5

Client Sample ID: BBNP-CW9-C

Lab Sample ID: JA58750-5

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 78.3

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50309.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	25	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.4	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.4	ug/kg	
11096-82-5	Aroclor 1260	ND	37	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		22-141%
877-09-8	Tetrachloro-m-xylene	60%		22-141%
2051-24-3	Decachlorobiphenyl	96%		18-163%
2051-24-3	Decachlorobiphenyl	100%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW9-C

Lab Sample ID: JA58750-5

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 78.3

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	2.6	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	29.5	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.36	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.61	0.61	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	8.6	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	7.0	6.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	14.8	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	10.1	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	438	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.037	0.037	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	13.8	4.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.61	0.61	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.1	6.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	8.1	6.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	38.7	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis



Client Sample ID: BBNP-CW9-C

Lab Sample ID: JA58750-5

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 78.3

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 15:00	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.51	0.51	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	8.6	1.7	mg/kg	1	11/01/10 22:55	GT	SW846 6010/7196A M
Cyanide	< 0.28	0.28	mg/kg	1	10/25/10 13:11	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 24	24	mg/kg	1	10/26/10 10:54	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	350		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	78.3		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 130	130	mg/kg	1	10/28/10 15:00	MS	EPA 300/SW846 9056
Total Organic Carbon	23000	1300	mg/kg	1	10/27/10 13:43	SJG	CORP ENG 81M/SW9060M
pH	7.98		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

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Client Sample ID:	BBNP-CW9-FD	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-6	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100547.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.29	0.092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	124%		50-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.6

Client Sample ID: BBNP-CW9-FD

Lab Sample ID: JA58750-6

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 85.2

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108269.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 10.5 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.6	1.2	ug/kg	
75-05-8	Acetonitrile	ND	56	13	ug/kg	
107-02-8	Acrolein	ND	28	8.0	ug/kg	
107-13-1	Acrylonitrile	ND	28	0.46	ug/kg	
107-05-1	Allyl chloride	ND	2.8	0.48	ug/kg	
71-43-2	Benzene	ND	0.56	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.8	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.8	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.14	ug/kg	
75-25-2	Bromoform	ND	2.8	0.084	ug/kg	
74-83-9	Bromomethane	ND	2.8	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.6	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	53	ug/kg	
104-51-8	n-Butylbenzene	ND	2.8	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.8	0.27	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.8	0.27	ug/kg	
75-15-0	Carbon disulfide	ND	2.8	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.8	0.31	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.19	ug/kg	
75-00-3	Chloroethane	ND	2.8	0.56	ug/kg	
67-66-3	Chloroform	ND	2.8	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.8	0.092	ug/kg	
126-99-8	Chloroprene	ND	2.8	0.62	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.8	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	0.30	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.061	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.56	0.077	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.8	0.077	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.56	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.8	0.37	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.8	0.13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW9-FD		
Lab Sample ID:	JA58750-6	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.8	0.073	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.074	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.054	ug/kg	
123-91-1	1,4-Dioxane	ND	70	48	ug/kg	
106-89-8	Epichlorohydrin	ND	56	0.97	ug/kg	
141-78-6	Ethyl Acetate	ND	2.8	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.8	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.6	0.073	ug/kg	
100-41-4	Ethylbenzene	ND	0.56	0.21	ug/kg	
110-54-3	Hexane	ND	2.8	0.086	ug/kg	
78-83-1	Isobutyl alcohol	ND	28	6.9	ug/kg	
98-82-8	Isopropylbenzene	ND	2.8	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	2.8	0.46	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.56	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.6	0.64	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.8	0.45	ug/kg	
74-95-3	Methylene bromide	ND	2.8	0.098	ug/kg	
75-09-2	Methylene chloride	ND	2.8	0.12	ug/kg	
79-46-9	2-Nitropropane	ND	5.6	0.68	ug/kg	
103-65-1	n-Propylbenzene	ND	2.8	0.14	ug/kg	
100-42-5	Styrene	ND	2.8	0.060	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.8	0.059	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.081	ug/kg	
108-88-3	Toluene	ND	0.56	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.8		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.072	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.8	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.8	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	0.20	ug/kg	
108-05-4	Vinyl Acetate	ND	5.6	0.59	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.099	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	BBNP-CW9-FD		
Lab Sample ID:	JA58750-6	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		74-129%
460-00-4	4-Bromofluorobenzene	113%		62-138%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW9-FD	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-6	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2257.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	670	61	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	57	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
62-53-3	Aniline	ND	67	7.0	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.6	ug/kg	
92-87-5	Benzidine	ND	670	120	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
100-51-6	Benzyl Alcohol	ND	67	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW9-FD		
Lab Sample ID:	JA58750-6	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	9.6	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	67	9.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	7.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	30	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.7	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	29	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
110-86-1	Pyridine	ND	67	13	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	8.9	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW9-FD	
Lab Sample ID: JA58750-6	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 85.2
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-109%
4165-62-2	Phenol-d5	56%		28-108%
118-79-6	2,4,6-Tribromophenol	50%		28-125%
4165-60-0	Nitrobenzene-d5	70%		28-113%
321-60-8	2-Fluorobiphenyl	65%		38-107%
1718-51-0	Terphenyl-d14	79%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW9-FD				
Lab Sample ID:	JA58750-6			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11422.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	78	20	ug/kg	
333-41-5	Diazinon	ND	78	20	ug/kg	
62-73-7	Dichlorvos	ND	78	20	ug/kg	
60-51-5	Dimethoate	ND	78	20	ug/kg	
298-04-4	Disulfoton	ND	78	39	ug/kg	
56-38-2	Ethyl Parathion	ND	78	20	ug/kg	
121-75-5	Malathion	ND	78	20	ug/kg	
298-00-0	Methyl Parathion	ND	78	20	ug/kg	
298-02-2	Phorate	ND	78	20	ug/kg	
299-84-3	Ronnel	ND	78	20	ug/kg	
3689-24-5	Sulfotep	ND	78	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	93%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW9-FD				
Lab Sample ID:	JA58750-6			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95329.D	1	10/22/10	TDR	10/15/10	OP46195	GWV3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.3	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	0.64	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.3	ug/kg	
75-99-0	Dalapon	ND	3.3	2.3	ug/kg	
88-85-7	Dinoseb	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	88%		13-146%
19719-28-9	2,4-DCAA	49%		13-146%

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.6

Client Sample ID: BBNP-CW9-FD

Lab Sample ID: JA58750-6

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 85.2

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28459.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28502.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

Run #	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	12600 ^b	4700	670	ug/kg	
75-07-0	Acetaldehyde	75.5	940	55	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	117%	111%	18-186%
123-72-8	Butyraldehyde	117%	117%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.6



Client Sample ID: BBNP-CW9-FD

Lab Sample ID: JA58750-6

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 85.2

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58385.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.61	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
12789-03-6	Chlordane	ND	34	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.59	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.47	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.61	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		23-137%
877-09-8	Tetrachloro-m-xylene	73%		23-137%
2051-24-3	Decachlorobiphenyl	104%		22-160%
2051-24-3	Decachlorobiphenyl	97%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW9-FD				
Lab Sample ID:	JA58750-6			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8082 SW846 3545			Percent Solids:	85.2
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50323.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	23	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.8	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.6	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		22-141%
877-09-8	Tetrachloro-m-xylene	77%		22-141%
2051-24-3	Decachlorobiphenyl	117%		18-163%
2051-24-3	Decachlorobiphenyl	119%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW9-FD

Lab Sample ID: JA58750-6

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 85.2

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	2.8	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.32	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.59	0.59	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	7.0	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.6	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	12.6	2.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	9.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	370	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.037	0.037	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	12.2	4.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.59	0.59	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 5.9	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	6.9	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	35.2	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW9-FD	Date Sampled: 10/12/10
Lab Sample ID: JA58750-6	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 85.2
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 23	23	mg/kg	1	10/28/10 16:11	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.47	0.47	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	7.0	1.7	mg/kg	1	11/01/10 23:02	GT	SW846 6010/7196A M
Cyanide	< 0.25	0.25	mg/kg	1	10/25/10 13:12	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:54	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	347		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	85.2		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 16:11	MS	EPA 300/SW846 9056
Total Organic Carbon	7600	1200	mg/kg	1	10/28/10 15:29	SJG	CORP ENG 81M/SW9060M
pH	7.94		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

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3

Client Sample ID:	BBNP-CW12-C		
Lab Sample ID:	JA58750-7	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	DAI BY GC/MS 8260SIM	Percent Solids:	85.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100548.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.29	0.092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	95%		50-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108270.D	1	10/24/10	JTP	n/a	n/a	VX4575
Run #2							

	Initial Weight
Run #1	9.9 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.9	1.3	ug/kg	
75-05-8	Acetonitrile	ND	59	14	ug/kg	
107-02-8	Acrolein	ND	29	8.4	ug/kg	
107-13-1	Acrylonitrile	ND	29	0.49	ug/kg	
107-05-1	Allyl chloride	ND	2.9	0.51	ug/kg	
71-43-2	Benzene	ND	0.59	0.20	ug/kg	
100-44-7	Benzyl Chloride	ND	2.9	0.23	ug/kg	
74-97-5	Bromochloromethane	ND	2.9	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.15	ug/kg	
75-25-2	Bromoform	ND	2.9	0.089	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.24	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	150	56	ug/kg	
104-51-8	n-Butylbenzene	ND	2.9	0.22	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.9	0.29	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.9	0.28	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.33	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.20	ug/kg	
75-00-3	Chloroethane	ND	2.9	0.59	ug/kg	
67-66-3	Chloroform	ND	2.9	0.19	ug/kg	
74-87-3	Chloromethane	ND	2.9	0.097	ug/kg	
126-99-8	Chloroprene	ND	2.9	0.65	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.9	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	0.32	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.065	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.59	0.081	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.081	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.59	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	0.39	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW12-C	
Lab Sample ID:	JA58750-7	Date Sampled: 10/12/10
Matrix:	SO - Soil	Date Received: 10/13/10
Method:	SW846 8260B	Percent Solids: 85.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.9	0.077	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.078	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.057	ug/kg	
123-91-1	1,4-Dioxane	ND	74	51	ug/kg	
106-89-8	Epichlorohydrin	ND	59	1.0	ug/kg	
141-78-6	Ethyl Acetate	ND	2.9	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.9	0.19	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.9	0.077	ug/kg	
100-41-4	Ethylbenzene	ND	0.59	0.22	ug/kg	
110-54-3	Hexane	ND	2.9	0.091	ug/kg	
78-83-1	Isobutyl alcohol	ND	29	7.3	ug/kg	
98-82-8	Isopropylbenzene	ND	2.9	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	2.9	0.48	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.59	0.17	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	0.67	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.9	0.48	ug/kg	
74-95-3	Methylene bromide	ND	2.9	0.10	ug/kg	
75-09-2	Methylene chloride	ND	2.9	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.9	0.71	ug/kg	
103-65-1	n-Propylbenzene	ND	2.9	0.15	ug/kg	
100-42-5	Styrene	ND	2.9	0.063	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.9	0.062	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.085	ug/kg	
108-88-3	Toluene	ND	0.59	0.17	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.9		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.075	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.11	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.31	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.19	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.21	ug/kg	
108-05-4	Vinyl Acetate	ND	5.9	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW12-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-7	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 85.8
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	118%		62-138%

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Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW12-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-7	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2270.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	660	60	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	41	ug/kg	
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.6	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.8	ug/kg	
62-53-3	Aniline	ND	66	7.0	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.5	ug/kg	
92-87-5	Benzidine	ND	660	120	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
100-51-6	Benzyl Alcohol	ND	66	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	66	3.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	66	15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW12-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-7	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 85.8
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	66	9.6	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	66	13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	66	8.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	66	7.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	66	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.6	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	66	29	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
110-86-1	Pyridine	ND	66	13	ug/kg	
91-22-5	Quinoline	ND	170	31	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	66	8.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW12-C	
Lab Sample ID: JA58750-7	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 85.8
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		30-109%
4165-62-2	Phenol-d5	44%		28-108%
118-79-6	2,4,6-Tribromophenol	41%		28-125%
4165-60-0	Nitrobenzene-d5	53%		28-113%
321-60-8	2-Fluorobiphenyl	49%		38-107%
1718-51-0	Terphenyl-d14	61%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11423.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	78	19	ug/kg	
333-41-5	Diazinon	ND	78	19	ug/kg	
62-73-7	Dichlorvos	ND	78	19	ug/kg	
60-51-5	Dimethoate	ND	78	19	ug/kg	
298-04-4	Disulfoton	ND	78	39	ug/kg	
56-38-2	Ethyl Parathion	ND	78	19	ug/kg	
121-75-5	Malathion	ND	78	19	ug/kg	
298-00-0	Methyl Parathion	ND	78	19	ug/kg	
298-02-2	Phorate	ND	78	19	ug/kg	
299-84-3	Ronnel	ND	78	19	ug/kg	
3689-24-5	Sulfotep	ND	78	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	97%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW12-C				
Lab Sample ID:	JA58750-7			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	85.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95228.D	1	10/19/10	TDR	10/15/10	OP46195	GWV3331
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.3	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	0.64	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.3	ug/kg	
75-99-0	Dalapon	ND	3.3	2.3	ug/kg	
88-85-7	Dinoseb	ND	17	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	104%		13-146%
19719-28-9	2,4-DCAA	94%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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Accutest Laboratories

Report of Analysis

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3.7

Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28461.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28504.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	9470 ^b	4700	660	ug/kg	
75-07-0	Acetaldehyde	ND	930	55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	90%	94%	18-186%
123-72-8	Butyraldehyde	90%	97%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.7

Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58399.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.61	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.66	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
12789-03-6	Chlordane	ND	34	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.53	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.58	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.47	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.57	ug/kg	
72-20-8	Endrin	ND	1.4	0.47	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.60	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		23-137%
877-09-8	Tetrachloro-m-xylene	93%		23-137%
2051-24-3	Decachlorobiphenyl	105%		22-160%
2051-24-3	Decachlorobiphenyl	103%		22-160%

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Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50355.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1852
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	23	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.8	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.6	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		22-141%
877-09-8	Tetrachloro-m-xylene	75%		22-141%
2051-24-3	Decachlorobiphenyl	74%		18-163%
2051-24-3	Decachlorobiphenyl	79%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW12-C

Lab Sample ID: JA58750-7

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 85.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	2.9	2.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	22.8	22	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.30	0.22	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 11	11	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.56	0.56	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	7.8	1.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.5	5.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	11.4	2.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	7.3	2.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	387	1.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.034	0.034	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	13.0	4.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.2	2.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.56	0.56	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.1	1.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 5.6	5.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	7.3	5.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	34.6	2.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW12-C**Lab Sample ID:** JA58750-7**Matrix:** SO - Soil**Date Sampled:** 10/12/10**Date Received:** 10/13/10**Percent Solids:** 85.8**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 23	23	mg/kg	1	10/28/10 16:35	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.47	0.47	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	7.8	1.6	mg/kg	1	11/01/10 23:08	GT	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	10/25/10 13:13	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:55	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	345		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	85.8		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 16:35	MS	EPA 300/SW846 9056
Total Organic Carbon	8420	1200	mg/kg	1	10/27/10 14:46	SJG	CORP ENG 81M/SW9060M
pH	8.03		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.8



Client Sample ID:	BBNP-CW15-C				
Lab Sample ID:	JA58750-8			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	DAI BY GC/MS 8260SIM			Percent Solids:	83.6
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100549.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.29	0.093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	120%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.8

Client Sample ID: BBNP-CW15-C

Lab Sample ID: JA58750-8

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 83.6

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108271.D	1	10/24/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 9.9 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6.0	1.3	ug/kg	
75-05-8	Acetonitrile	ND	60	14	ug/kg	
107-02-8	Acrolein	ND	30	8.6	ug/kg	
107-13-1	Acrylonitrile	ND	30	0.50	ug/kg	
107-05-1	Allyl chloride	ND	3.0	0.52	ug/kg	
71-43-2	Benzene	ND	0.60	0.21	ug/kg	
100-44-7	Benzyl Chloride	ND	3.0	0.24	ug/kg	
74-97-5	Bromochloromethane	ND	3.0	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	3.0	0.16	ug/kg	
75-25-2	Bromoform	ND	3.0	0.091	ug/kg	
74-83-9	Bromomethane	ND	3.0	0.24	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	150	57	ug/kg	
104-51-8	n-Butylbenzene	ND	3.0	0.23	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.0	0.29	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.0	0.29	ug/kg	
75-15-0	Carbon disulfide	0.31	3.0	0.18	ug/kg	J
56-23-5	Carbon tetrachloride	ND	3.0	0.34	ug/kg	
108-90-7	Chlorobenzene	ND	3.0	0.20	ug/kg	
75-00-3	Chloroethane	ND	3.0	0.60	ug/kg	
67-66-3	Chloroform	ND	3.0	0.19	ug/kg	
74-87-3	Chloromethane	ND	3.0	0.10	ug/kg	
126-99-8	Chloroprene	ND	3.0	0.67	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.0	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	0.33	ug/kg	
124-48-1	Dibromochloromethane	ND	3.0	0.066	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.60	0.083	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.0	0.083	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.60	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.0	0.40	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.0	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.0	0.27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW15-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-8	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.6
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.0	0.079	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	0.080	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	0.058	ug/kg	
123-91-1	1,4-Dioxane	ND	76	52	ug/kg	
106-89-8	Epichlorohydrin	ND	60	1.0	ug/kg	
141-78-6	Ethyl Acetate	ND	3.0	1.2	ug/kg	
60-29-7	Ethyl Ether	ND	3.0	0.20	ug/kg	
97-63-2	Ethyl methacrylate	ND	6.0	0.079	ug/kg	
100-41-4	Ethylbenzene	ND	0.60	0.22	ug/kg	
110-54-3	Hexane	ND	3.0	0.093	ug/kg	
78-83-1	Isobutyl alcohol	ND	30	7.5	ug/kg	
98-82-8	Isopropylbenzene	ND	3.0	0.31	ug/kg	
79-20-9	Methyl Acetate	ND	3.0	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.60	0.17	ug/kg	
80-62-6	Methyl methacrylate	ND	6.0	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.0	0.49	ug/kg	
74-95-3	Methylene bromide	ND	3.0	0.11	ug/kg	
75-09-2	Methylene chloride	ND	3.0	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	6.0	0.73	ug/kg	
103-65-1	n-Propylbenzene	ND	3.0	0.15	ug/kg	
100-42-5	Styrene	ND	3.0	0.065	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.0	0.064	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	3.0	0.088	ug/kg	
108-88-3	Toluene	ND	0.60	0.18	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.0		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.0	0.077	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.11	ug/kg	
79-01-6	Trichloroethene	ND	3.0	0.32	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.0	0.19	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.0	0.26	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.0	0.22	ug/kg	
108-05-4	Vinyl Acetate	ND	6.0	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	3.0	0.11	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	103%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.8

Client Sample ID: BBNP-CW15-C	
Lab Sample ID: JA58750-8	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8260B	Percent Solids: 83.6
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	110%		74-129%
460-00-4	4-Bromofluorobenzene	112%		62-138%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW15-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-8	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.6
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2258.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	680	62	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	42	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
62-53-3	Aniline	ND	68	7.2	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
92-87-5	Benzidine	ND	680	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	68	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	4.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	68	16	ug/kg	

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW15-C	
Lab Sample ID: JA58750-8	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 83.6
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	68	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.8	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	68	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	68	14	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.1	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW15-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-8	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.6
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		30-109%
4165-62-2	Phenol-d5	36%		28-108%
118-79-6	2,4,6-Tribromophenol	41%		28-125%
4165-60-0	Nitrobenzene-d5	48%		28-113%
321-60-8	2-Fluorobiphenyl	48%		38-107%
1718-51-0	Terphenyl-d14	64%		31-116%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.8

Client Sample ID:	BBNP-CW15-C				
Lab Sample ID:	JA58750-8			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	83.6
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11424.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	80	20	ug/kg	
333-41-5	Diazinon	ND	80	20	ug/kg	
62-73-7	Dichlorvos	ND	80	20	ug/kg	
60-51-5	Dimethoate	ND	80	20	ug/kg	
298-04-4	Disulfoton	ND	80	40	ug/kg	
56-38-2	Ethyl Parathion	ND	80	20	ug/kg	
121-75-5	Malathion	ND	80	20	ug/kg	
298-00-0	Methyl Parathion	ND	80	20	ug/kg	
298-02-2	Phorate	ND	80	20	ug/kg	
299-84-3	Ronnel	ND	80	20	ug/kg	
3689-24-5	Sulfotep	ND	80	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	111%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.8

Client Sample ID:	BBNP-CW15-C				
Lab Sample ID:	JA58750-8			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	83.6
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95229.D	1	10/19/10	TDR	10/15/10	OP46195	GW3331
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.65	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.3	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	106%		13-146%
19719-28-9	2,4-DCAA	69%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW15-C				
Lab Sample ID:	JA58750-8			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	83.6
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28462.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2							

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	339	960	140	ug/kg	J
75-07-0	Acetaldehyde	73.8	960	56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	94%		18-186%
123-72-8	Butyraldehyde	95%		18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW15-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-8	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.6
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58386.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.53	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.53	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.62	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		23-137%
877-09-8	Tetrachloro-m-xylene	68%		23-137%
2051-24-3	Decachlorobiphenyl	100%		22-160%
2051-24-3	Decachlorobiphenyl	93%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.8

Client Sample ID: BBNP-CW15-C

Lab Sample ID: JA58750-8

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 83.6

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50324.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		22-141%
877-09-8	Tetrachloro-m-xylene	72%		22-141%
2051-24-3	Decachlorobiphenyl	106%		18-163%
2051-24-3	Decachlorobiphenyl	109%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW15-C

Lab Sample ID: JA58750-8

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 83.6

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	< 0.24	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	4.9	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	6.6	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	4.5	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	152	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.035	0.035	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	8.0	4.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	24.7	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW15-C

Lab Sample ID: JA58750-8

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 83.6

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 17:23	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	4.9	1.7	mg/kg	1	11/01/10 23:14	GT	SW846 6010/7196A M
Cyanide	< 0.25	0.25	mg/kg	1	10/25/10 13:15	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:56	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	352		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	83.6		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 17:23	MS	EPA 300/SW846 9056
Total Organic Carbon	< 1200	1200	mg/kg	1	10/27/10 14:57	SJG	CORP ENG 81M/SW9060M
pH	7.47		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.9



Client Sample ID:	BBNP-CW18-C			Date Sampled:	10/12/10
Lab Sample ID:	JA58750-9			Date Received:	10/13/10
Matrix:	SO - Soil			Percent Solids:	75.4
Method:	DAI BY GC/MS 8260SIM				
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100571.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.33	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	70%		50-150%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.9

Client Sample ID: BBNP-CW18-C

Lab Sample ID: JA58750-9

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 75.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108272.D	1	10/24/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 9.1 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7.3	1.6	ug/kg	
75-05-8	Acetonitrile	ND	73	17	ug/kg	
107-02-8	Acrolein	ND	36	10	ug/kg	
107-13-1	Acrylonitrile	ND	36	0.60	ug/kg	
107-05-1	Allyl chloride	ND	3.6	0.63	ug/kg	
71-43-2	Benzene	ND	0.73	0.25	ug/kg	
100-44-7	Benzyl Chloride	ND	3.6	0.29	ug/kg	
74-97-5	Bromochloromethane	ND	3.6	0.16	ug/kg	
75-27-4	Bromodichloromethane	ND	3.6	0.19	ug/kg	
75-25-2	Bromoform	ND	3.6	0.11	ug/kg	
74-83-9	Bromomethane	ND	3.6	0.29	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.3	1.4	ug/kg	
71-36-3	n-Butyl Alcohol	ND	180	69	ug/kg	
104-51-8	n-Butylbenzene	ND	3.6	0.28	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.6	0.36	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.6	0.35	ug/kg	
75-15-0	Carbon disulfide	ND	3.6	0.22	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.6	0.40	ug/kg	
108-90-7	Chlorobenzene	ND	3.6	0.25	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.73	ug/kg	
67-66-3	Chloroform	ND	3.6	0.23	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.12	ug/kg	
126-99-8	Chloroprene	ND	3.6	0.81	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.6	0.21	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.3	0.39	ug/kg	
124-48-1	Dibromochloromethane	ND	3.6	0.080	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.73	0.10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.6	0.10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.73	0.25	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.6	0.48	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.6	0.17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.6	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW18-C		
Lab Sample ID:	JA58750-9	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	75.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.6	0.095	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.6	0.097	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.6	0.070	ug/kg	
123-91-1	1,4-Dioxane	ND	91	63	ug/kg	
106-89-8	Epichlorohydrin	ND	73	1.3	ug/kg	
141-78-6	Ethyl Acetate	ND	3.6	1.4	ug/kg	
60-29-7	Ethyl Ether	ND	3.6	0.24	ug/kg	
97-63-2	Ethyl methacrylate	ND	7.3	0.095	ug/kg	
100-41-4	Ethylbenzene	ND	0.73	0.27	ug/kg	
110-54-3	Hexane	ND	3.6	0.11	ug/kg	
78-83-1	Isobutyl alcohol	ND	36	9.0	ug/kg	
98-82-8	Isopropylbenzene	ND	3.6	0.38	ug/kg	
79-20-9	Methyl Acetate	ND	3.6	0.60	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.73	0.21	ug/kg	
80-62-6	Methyl methacrylate	ND	7.3	0.83	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.6	0.59	ug/kg	
74-95-3	Methylene bromide	ND	3.6	0.13	ug/kg	
75-09-2	Methylene chloride	ND	3.6	0.16	ug/kg	
79-46-9	2-Nitropropane	ND	7.3	0.88	ug/kg	
103-65-1	n-Propylbenzene	ND	3.6	0.19	ug/kg	
100-42-5	Styrene	ND	3.6	0.078	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.6	0.077	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.6	0.21	ug/kg	
127-18-4	Tetrachloroethene	ND	3.6	0.11	ug/kg	
108-88-3	Toluene	ND	0.73	0.21	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.6		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.6	0.093	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.6	0.13	ug/kg	
79-01-6	Trichloroethene	ND	3.6	0.38	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.6	0.23	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.6	0.31	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.6	0.26	ug/kg	
108-05-4	Vinyl Acetate	ND	7.3	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	3.6	0.13	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	99%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.9

Client Sample ID: BBNP-CW18-C	
Lab Sample ID: JA58750-9	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8260B	Percent Solids: 75.4
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	115%		62-138%

ND = Not detected MDL - Method Detection Limit
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Accutest Laboratories

Report of Analysis

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3.9

Client Sample ID:	BBNP-CW18-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-9	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	75.4
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2259.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	750	69	ug/kg	
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	ND	75	40	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	ND	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.6	ug/kg	
62-53-3	Aniline	ND	75	7.9	ug/kg	
120-12-7	Anthracene	ND	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.4	ug/kg	
92-87-5	Benzidine	ND	750	140	ug/kg	
56-55-3	Benzo(a)anthracene	ND	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	38	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
100-51-6	Benzyl Alcohol	ND	75	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	75	4.4	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	ND	75	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW18-C		
Lab Sample ID:	JA58750-9	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	38	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	75	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	13	ug/kg	
132-64-9	Dibenzofuran	ND	75	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	ND	38	17	ug/kg	
86-73-7	Fluorene	ND	38	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	75	21	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	ND	38	10	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	75	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	ND	38	17	ug/kg	
129-00-0	Pyrene	ND	38	14	ug/kg	
110-86-1	Pyridine	ND	75	15	ug/kg	
91-22-5	Quinoline	ND	190	36	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW18-C	Date Sampled: 10/12/10
Lab Sample ID: JA58750-9	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 75.4
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		30-109%
4165-62-2	Phenol-d5	36%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	50%		28-113%
321-60-8	2-Fluorobiphenyl	47%		38-107%
1718-51-0	Terphenyl-d14	62%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.9

Client Sample ID: BBNP-CW18-C

Lab Sample ID: JA58750-9

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 75.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11427.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	89	22	ug/kg	
333-41-5	Diazinon	ND	89	22	ug/kg	
62-73-7	Dichlorvos	ND	89	22	ug/kg	
60-51-5	Dimethoate	ND	89	22	ug/kg	
298-04-4	Disulfoton	ND	89	44	ug/kg	
56-38-2	Ethyl Parathion	ND	89	22	ug/kg	
121-75-5	Malathion	ND	89	22	ug/kg	
298-00-0	Methyl Parathion	ND	89	22	ug/kg	
298-02-2	Phorate	ND	89	22	ug/kg	
299-84-3	Ronnel	ND	89	22	ug/kg	
3689-24-5	Sulfotep	ND	89	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	101%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.9



Client Sample ID:	BBNP-CW18-C			Date Sampled:	10/12/10
Lab Sample ID:	JA58750-9			Date Received:	10/13/10
Matrix:	SO - Soil			Percent Solids:	75.4
Method:	SW846 8151 SW846 3550B				
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95254.D	1	10/20/10	TDR	10/15/10	OP46195	GWV3332
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	6.0	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	0.72	ug/kg	
93-76-5	2,4,5-T	ND	3.8	1.5	ug/kg	
75-99-0	Dalapon	ND	3.8	2.6	ug/kg	
88-85-7	Dinoseb	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	96%		13-146%
19719-28-9	2,4-DCAA	60%		13-146%

ND = Not detected MDL - Method Detection Limit
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Accutest Laboratories

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3.9

Client Sample ID:	BBNP-CW18-C				
Lab Sample ID:	JA58750-9			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	75.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28463.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28506.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	16300 ^b	5300	750	ug/kg	
75-07-0	Acetaldehyde	103	1100	62	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	140%	134%	18-186%
123-72-8	Butyraldehyde	143%	141%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.9

Client Sample ID:	BBNP-CW18-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-9	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	75.4
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58387.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.6	0.69	ug/kg	
319-84-6	alpha-BHC	ND	1.6	0.48	ug/kg	
319-85-7	beta-BHC	ND	1.6	0.75	ug/kg	
319-86-8	delta-BHC	ND	1.6	0.42	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.6	0.48	ug/kg	
12789-03-6	Chlordane	ND	39	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.6	0.52	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.6	0.61	ug/kg	
60-57-1	Dieldrin	ND	1.6	0.52	ug/kg	
72-54-8	4,4'-DDD	ND	1.6	0.66	ug/kg	
72-55-9	4,4'-DDE	ND	1.6	0.54	ug/kg	
50-29-3	4,4'-DDT	ND	1.6	0.65	ug/kg	
72-20-8	Endrin	ND	1.6	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.6	0.59	ug/kg	
959-98-8	Endosulfan-I	ND	1.6	0.53	ug/kg	
33213-65-9	Endosulfan-II	ND	1.6	0.59	ug/kg	
76-44-8	Heptachlor	ND	1.6	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.6	0.60	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.69	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		23-137%
877-09-8	Tetrachloro-m-xylene	69%		23-137%
2051-24-3	Decachlorobiphenyl	106%		22-160%
2051-24-3	Decachlorobiphenyl	96%		22-160%

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.9

Client Sample ID: BBNP-CW18-C

Lab Sample ID: JA58750-9

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 75.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50325.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	14	ug/kg	
11104-28-2	Aroclor 1221	ND	39	26	ug/kg	
11141-16-5	Aroclor 1232	ND	39	12	ug/kg	
53469-21-9	Aroclor 1242	ND	39	14	ug/kg	
12672-29-6	Aroclor 1248	ND	39	7.7	ug/kg	
11097-69-1	Aroclor 1254	ND	39	9.8	ug/kg	
11096-82-5	Aroclor 1260	ND	39	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		22-141%
877-09-8	Tetrachloro-m-xylene	69%		22-141%
2051-24-3	Decachlorobiphenyl	105%		18-163%
2051-24-3	Decachlorobiphenyl	107%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW18-C

Lab Sample ID: JA58750-9

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 75.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.7	2.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	9.3	2.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	49.6	27	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.53	0.27	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 14	14	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.68	0.68	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	12.3	1.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	10.2	6.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	19.7	3.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	15.6	2.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	627	2.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.038	0.038	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	19.7	5.5	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.7	2.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.68	0.68	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.4	1.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.8	6.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	11.6	6.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	55.5	2.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW18-C

Lab Sample ID: JA58750-9

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 75.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 27	27	mg/kg	1	10/28/10 17:47	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.53	0.53	mg/kg	1	10/28/10 14:02	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	12.3	1.9	mg/kg	1	11/01/10 23:33	GT	SW846 6010/7196A M
Cyanide	< 0.28	0.28	mg/kg	1	10/25/10 13:16	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 26	26	mg/kg	1	10/26/10 10:57	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	327		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	75.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 130	130	mg/kg	1	10/28/10 17:47	MS	EPA 300/SW846 9056
Total Organic Carbon	10500	1300	mg/kg	1	10/28/10 11:07	SJG	CORP ENG 81M/SW9060M
pH	7.27		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

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3.10

3

Client Sample ID:	BBNP-CW21-C				
Lab Sample ID:	JA58750-10			Date Sampled:	10/12/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	DAI BY GC/MS 8260SIM			Percent Solids:	81.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100563.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.31	0.096	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	92% ^a		50-150%

(a) double spiked.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.10



Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108309.D	1	10/25/10	JTP	n/a	n/a	VX4577
Run #2							

Initial Weight

Run #1 10.4 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.9	1.3	ug/kg	
75-05-8	Acetonitrile	ND	59	14	ug/kg	
107-02-8	Acrolein	ND	29	8.4	ug/kg	
107-13-1	Acrylonitrile	ND	29	0.48	ug/kg	
107-05-1	Allyl chloride	ND	2.9	0.51	ug/kg	
71-43-2	Benzene	ND	0.59	0.20	ug/kg	
100-44-7	Benzyl Chloride	ND	2.9	0.23	ug/kg	
74-97-5	Bromochloromethane	ND	2.9	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.15	ug/kg	
75-25-2	Bromoform	ND	2.9	0.089	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.24	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	150	55	ug/kg	
104-51-8	n-Butylbenzene	ND	2.9	0.22	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.9	0.29	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.9	0.28	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.33	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.20	ug/kg	
75-00-3	Chloroethane	ND	2.9	0.59	ug/kg	
67-66-3	Chloroform	ND	2.9	0.19	ug/kg	
74-87-3	Chloromethane	ND	2.9	0.097	ug/kg	
126-99-8	Chloroprene	ND	2.9	0.65	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.9	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	0.32	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.065	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.59	0.081	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.081	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.59	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	0.39	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW21-C		
Lab Sample ID:	JA58750-10	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	81.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.9	0.076	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.078	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.056	ug/kg	
123-91-1	1,4-Dioxane	ND	73	51	ug/kg	
106-89-8	Epichlorohydrin	ND	59	1.0	ug/kg	
141-78-6	Ethyl Acetate	ND	2.9	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.9	0.19	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.9	0.076	ug/kg	
100-41-4	Ethylbenzene	ND	0.59	0.22	ug/kg	
110-54-3	Hexane	ND	2.9	0.091	ug/kg	
78-83-1	Isobutyl alcohol	ND	29	7.3	ug/kg	
98-82-8	Isopropylbenzene	ND	2.9	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	2.9	0.48	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.59	0.17	ug/kg	
80-62-6	Methyl methacrylate	ND	5.9	0.67	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.9	0.48	ug/kg	
74-95-3	Methylene bromide	ND	2.9	0.10	ug/kg	
75-09-2	Methylene chloride	ND	2.9	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.9	0.71	ug/kg	
103-65-1	n-Propylbenzene	ND	2.9	0.15	ug/kg	
100-42-5	Styrene	ND	2.9	0.063	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.9	0.062	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.085	ug/kg	
108-88-3	Toluene	ND	0.59	0.17	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.9		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.075	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.11	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.31	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.19	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.21	ug/kg	
108-05-4	Vinyl Acetate	ND	5.9	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		67-127%
17060-07-0	1,2-Dichloroethane-D4	110%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10



Client Sample ID: BBNP-CW21-C	
Lab Sample ID: JA58750-10	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8260B	Percent Solids: 81.8
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	112%		74-129%
460-00-4	4-Bromofluorobenzene	137%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.10



Client Sample ID:	BBNP-CW21-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-10	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2280.D	1	11/03/10	KP	10/22/10	OP46301	E2P128
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	700	63	ug/kg	
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	42	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
62-53-3	Aniline	ND	70	7.3	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.9	ug/kg	
92-87-5	Benzidine	ND	700	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	70	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW21-C		
Lab Sample ID:	JA58750-10	Date Sampled:	10/12/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.8
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	70	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	70	31	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	
110-86-1	Pyridine	ND	70	14	ug/kg	
91-22-5	Quinoline	ND	170	33	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW21-C	
Lab Sample ID: JA58750-10	Date Sampled: 10/12/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 81.8
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		30-109%
4165-62-2	Phenol-d5	50%		28-108%
118-79-6	2,4,6-Tribromophenol	45%		28-125%
4165-60-0	Nitrobenzene-d5	61%		28-113%
321-60-8	2-Fluorobiphenyl	57%		38-107%
1718-51-0	Terphenyl-d14	68%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.10

Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11428.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	81	20	ug/kg	
333-41-5	Diazinon	ND	81	20	ug/kg	
62-73-7	Dichlorvos	ND	81	20	ug/kg	
60-51-5	Dimethoate	ND	81	20	ug/kg	
298-04-4	Disulfoton	ND	81	40	ug/kg	
56-38-2	Ethyl Parathion	ND	81	20	ug/kg	
121-75-5	Malathion	ND	81	20	ug/kg	
298-00-0	Methyl Parathion	ND	81	20	ug/kg	
298-02-2	Phorate	ND	81	20	ug/kg	
299-84-3	Ronnel	ND	81	20	ug/kg	
3689-24-5	Sulfotep	ND	81	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	106%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW21-C	Date Sampled:	10/12/10
Lab Sample ID:	JA58750-10	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8151 SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95230.D	1	10/19/10	TDR	10/15/10	OP46195	GW3331
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	0.66	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.4	ug/kg	
75-99-0	Dalapon	ND	3.5	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	99%		13-146%
19719-28-9	2,4-DCAA	53%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.10



Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28464.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28507.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	13600 ^b	4900	690	ug/kg	
75-07-0	Acetaldehyde	69.6	980	57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	125%	122%	18-186%
123-72-8	Butyraldehyde	122%	127%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.10

Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58388.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
12789-03-6	Chlordane	ND	36	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		23-137%
877-09-8	Tetrachloro-m-xylene	78%		23-137%
2051-24-3	Decachlorobiphenyl	113%		22-160%
2051-24-3	Decachlorobiphenyl	100%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.10

Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Date Sampled: 10/12/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50326.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.1	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		22-141%
877-09-8	Tetrachloro-m-xylene	72%		22-141%
2051-24-3	Decachlorobiphenyl	104%		18-163%
2051-24-3	Decachlorobiphenyl	107%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW21-C

Lab Sample ID: JA58750-10

Matrix: SO - Soil

Date Sampled: 10/12/10

Date Received: 10/13/10

Percent Solids: 81.8

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	3.0	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.26	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.59	0.59	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	6.6	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.5	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	12.1	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	6.6	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	411	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.038	0.038	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	11.8	4.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.59	0.59	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 5.9	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	6.3	5.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	34.6	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

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Client Sample ID: BBNP-CW21-C**Lab Sample ID:** JA58750-10**Date Sampled:** 10/12/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Percent Solids:** 81.8**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 18:11	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.49	0.49	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	6.6	1.7	mg/kg	1	11/01/10 23:39	GT	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	10/25/10 13:17	NP	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:58	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	332		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	81.8		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 18:11	MS	EPA 300/SW846 9056
Total Organic Carbon	29200	1200	mg/kg	1	10/28/10 11:21	SJG	CORP ENG 81M/SW9060M
pH	7.76		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW5-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-11	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100541.D	1	10/25/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.095	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	88%		50-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108259.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Run #	Initial Weight
Run #1	9.4 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6.4	1.4	ug/kg	
75-05-8	Acetonitrile	ND	64	15	ug/kg	
107-02-8	Acrolein	ND	32	9.1	ug/kg	
107-13-1	Acrylonitrile	ND	32	0.52	ug/kg	
107-05-1	Allyl chloride	ND	3.2	0.55	ug/kg	
71-43-2	Benzene	ND	0.64	0.22	ug/kg	
100-44-7	Benzyl Chloride	ND	3.2	0.25	ug/kg	
74-97-5	Bromochloromethane	ND	3.2	0.14	ug/kg	
75-27-4	Bromodichloromethane	ND	3.2	0.16	ug/kg	
75-25-2	Bromoform	ND	3.2	0.096	ug/kg	
74-83-9	Bromomethane	ND	3.2	0.26	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.4	1.3	ug/kg	
71-36-3	n-Butyl Alcohol	ND	160	60	ug/kg	
104-51-8	n-Butylbenzene	ND	3.2	0.24	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.2	0.31	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.2	0.30	ug/kg	
75-15-0	Carbon disulfide	ND	3.2	0.19	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.2	0.35	ug/kg	
108-90-7	Chlorobenzene	ND	3.2	0.22	ug/kg	
75-00-3	Chloroethane	ND	3.2	0.64	ug/kg	
67-66-3	Chloroform	ND	3.2	0.20	ug/kg	
74-87-3	Chloromethane	ND	3.2	0.11	ug/kg	
126-99-8	Chloroprene	ND	3.2	0.71	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.2	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.4	0.34	ug/kg	
124-48-1	Dibromochloromethane	ND	3.2	0.070	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.64	0.087	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.2	0.088	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.64	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.2	0.42	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.2	0.15	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.2	0.29	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW5-C		
Lab Sample ID:	JA58750-11	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	83.5
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.2	0.083	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.2	0.085	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.2	0.061	ug/kg	
123-91-1	1,4-Dioxane	ND	80	55	ug/kg	
106-89-8	Epichlorohydrin	ND	64	1.1	ug/kg	
141-78-6	Ethyl Acetate	ND	3.2	1.2	ug/kg	
60-29-7	Ethyl Ether	ND	3.2	0.21	ug/kg	
97-63-2	Ethyl methacrylate	ND	6.4	0.083	ug/kg	
100-41-4	Ethylbenzene	ND	0.64	0.24	ug/kg	
110-54-3	Hexane	ND	3.2	0.098	ug/kg	
78-83-1	Isobutyl alcohol	ND	32	7.9	ug/kg	
98-82-8	Isopropylbenzene	ND	3.2	0.33	ug/kg	
79-20-9	Methyl Acetate	ND	3.2	0.52	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.64	0.18	ug/kg	
80-62-6	Methyl methacrylate	ND	6.4	0.73	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.2	0.52	ug/kg	
74-95-3	Methylene bromide	ND	3.2	0.11	ug/kg	
75-09-2	Methylene chloride	ND	3.2	0.14	ug/kg	
79-46-9	2-Nitropropane	ND	6.4	0.77	ug/kg	
103-65-1	n-Propylbenzene	ND	3.2	0.16	ug/kg	
100-42-5	Styrene	ND	3.2	0.068	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.2	0.068	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2	0.19	ug/kg	
127-18-4	Tetrachloroethene	ND	3.2	0.092	ug/kg	
108-88-3	Toluene	ND	0.64	0.19	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.2		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.2	0.082	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.2	0.12	ug/kg	
79-01-6	Trichloroethene	ND	3.2	0.34	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.2	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.2	0.27	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.2	0.23	ug/kg	
108-05-4	Vinyl Acetate	ND	6.4	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	3.2	0.11	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	95%		65-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW5-C	
Lab Sample ID: JA58750-11	Date Sampled: 10/13/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8260B	Percent Solids: 83.5
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	134%		62-138%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW5-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-11	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2261.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	680	62	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	41	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	57	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.8	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
62-53-3	Aniline	ND	68	7.1	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
92-87-5	Benzidine	ND	680	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	68	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	3.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	68	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW5-C	
Lab Sample ID: JA58750-11	Date Sampled: 10/13/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 83.5
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	68	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.8	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	68	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	15	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	68	14	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.0	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW5-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-11	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 83.5
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		30-109%
4165-62-2	Phenol-d5	48%		28-108%
118-79-6	2,4,6-Tribromophenol	44%		28-125%
4165-60-0	Nitrobenzene-d5	58%		28-113%
321-60-8	2-Fluorobiphenyl	57%		38-107%
1718-51-0	Terphenyl-d14	71%		31-116%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11429.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	79	20	ug/kg	
333-41-5	Diazinon	ND	79	20	ug/kg	
62-73-7	Dichlorvos	ND	79	20	ug/kg	
60-51-5	Dimethoate	ND	79	20	ug/kg	
298-04-4	Disulfoton	ND	79	40	ug/kg	
56-38-2	Ethyl Parathion	ND	79	20	ug/kg	
121-75-5	Malathion	ND	79	20	ug/kg	
298-00-0	Methyl Parathion	ND	79	20	ug/kg	
298-02-2	Phorate	ND	79	20	ug/kg	
299-84-3	Ronnel	ND	79	20	ug/kg	
3689-24-5	Sulfotep	ND	79	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	111%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW5-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-11	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8151 SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95330.D	1	10/22/10	TDR	10/15/10	OP46195	GW3334
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.4 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.65	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.3	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	90%		13-146%
19719-28-9	2,4-DCAA	51%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW5-C				
Lab Sample ID:	JA58750-11			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	83.5
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28465.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28508.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	15400 ^b	4800	680	ug/kg	
75-07-0	Acetaldehyde	133	960	56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	127%	123%	18-186%
123-72-8	Butyraldehyde	129%	129%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58389.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		23-137%
877-09-8	Tetrachloro-m-xylene	76%		23-137%
2051-24-3	Decachlorobiphenyl	104%		22-160%
2051-24-3	Decachlorobiphenyl	93%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50316.D	1	10/26/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		22-141%
877-09-8	Tetrachloro-m-xylene	74%		22-141%
2051-24-3	Decachlorobiphenyl	98%		18-163%
2051-24-3	Decachlorobiphenyl	103%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Arsenic	3.1	2.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Barium	25.5	23	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Beryllium	0.33	0.23	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Cadmium	< 0.58	0.58	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Chromium	7.8	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Cobalt	6.7	5.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Copper	14.3	2.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Lead	8.9	2.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Manganese	486	1.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Mercury	< 0.036	0.036	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ² SW846 7471A ⁴
Nickel	13.1	4.7	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Selenium	< 2.3	2.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Silver	< 0.58	0.58	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Tin	< 5.8	5.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Vanadium	7.6	5.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Zinc	36.1	2.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW5-C

Lab Sample ID: JA58750-11

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 83.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 13:00	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/28/10 12:00	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	7.8	1.7	mg/kg	1	11/01/10 22:19	GT	SW846 6010/7196A M
Cyanide	< 0.29	0.29	mg/kg	1	10/20/10 16:20	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 24	24	mg/kg	1	10/26/10 10:48	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	339		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	83.5		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 13:00	MS	EPA 300/SW846 9056
Total Organic Carbon	12600	1200	mg/kg	1	10/27/10 12:21	SJG	CORP ENG 81M/SW9060M
pH	7.66		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW8-C**Lab Sample ID:** JA58750-12**Date Sampled:** 10/13/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** DAI BY GC/MS 8260SIM**Percent Solids:** 79.7**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100564.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.31	0.098	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	81% ^a		50-150%

(a) double spiked.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW8-C

Lab Sample ID: JA58750-12

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 79.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108310.D	1	10/25/10	JTP	n/a	n/a	VX4577
Run #2							

Initial Weight

Run #1 10.9 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.8	1.3	ug/kg	
75-05-8	Acetonitrile	ND	58	14	ug/kg	
107-02-8	Acrolein	ND	29	8.2	ug/kg	
107-13-1	Acrylonitrile	ND	29	0.47	ug/kg	
107-05-1	Allyl chloride	ND	2.9	0.50	ug/kg	
71-43-2	Benzene	ND	0.58	0.20	ug/kg	
100-44-7	Benzyl Chloride	ND	2.9	0.23	ug/kg	
74-97-5	Bromochloromethane	ND	2.9	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.15	ug/kg	
75-25-2	Bromoform	ND	2.9	0.087	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	54	ug/kg	
104-51-8	n-Butylbenzene	ND	2.9	0.22	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.9	0.28	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.9	0.27	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.32	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.20	ug/kg	
75-00-3	Chloroethane	ND	2.9	0.58	ug/kg	
67-66-3	Chloroform	ND	2.9	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.9	0.095	ug/kg	
126-99-8	Chloroprene	ND	2.9	0.64	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.9	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	0.31	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.063	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.58	0.079	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.079	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.58	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	0.38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.26	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW8-C		
Lab Sample ID:	JA58750-12	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	79.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.9	0.075	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.077	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.055	ug/kg	
123-91-1	1,4-Dioxane	ND	72	50	ug/kg	
106-89-8	Epichlorohydrin	ND	58	1.0	ug/kg	
141-78-6	Ethyl Acetate	ND	2.9	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.9	0.19	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.8	0.075	ug/kg	
100-41-4	Ethylbenzene	ND	0.58	0.21	ug/kg	
110-54-3	Hexane	ND	2.9	0.089	ug/kg	
78-83-1	Isobutyl alcohol	ND	29	7.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.9	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	2.9	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.58	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.8	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.9	0.47	ug/kg	
74-95-3	Methylene bromide	ND	2.9	0.10	ug/kg	
75-09-2	Methylene chloride	ND	2.9	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.8	0.70	ug/kg	
103-65-1	n-Propylbenzene	ND	2.9	0.15	ug/kg	
100-42-5	Styrene	ND	2.9	0.062	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.9	0.061	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.083	ug/kg	
108-88-3	Toluene	ND	0.58	0.17	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.9		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.074	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.11	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.21	ug/kg	
108-05-4	Vinyl Acetate	ND	5.8	0.60	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		67-127%
17060-07-0	1,2-Dichloroethane-D4	109%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	BBNP-CW8-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-12	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8260B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	112%		74-129%
460-00-4	4-Bromofluorobenzene	129%		62-138%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW8-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-12	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2281.D	1	11/03/10	KP	10/22/10	OP46301	E2P128
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	710	65	ug/kg	
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	41	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	60	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	ND	71	37	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	ND	36	10	ug/kg	
208-96-8	Acenaphthylene	ND	36	11	ug/kg	
98-86-2	Acetophenone	ND	180	6.3	ug/kg	
62-53-3	Aniline	ND	71	7.5	ug/kg	
120-12-7	Anthracene	ND	36	12	ug/kg	
1912-24-9	Atrazine	ND	180	7.0	ug/kg	
92-87-5	Benzidine	ND	710	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	21	ug/kg	
100-51-6	Benzyl Alcohol	ND	71	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.1	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	71	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW8-C		
Lab Sample ID:	JA58750-12	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	36	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	71	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	71	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	31	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	9.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	12	ug/kg	
78-59-1	Isophorone	ND	71	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.7	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	71	31	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	36	16	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	
110-86-1	Pyridine	ND	71	14	ug/kg	
91-22-5	Quinoline	ND	180	34	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.5	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW8-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-12	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		30-109%
4165-62-2	Phenol-d5	34%		28-108%
118-79-6	2,4,6-Tribromophenol	35%		28-125%
4165-60-0	Nitrobenzene-d5	41%		28-113%
321-60-8	2-Fluorobiphenyl	39%		38-107%
1718-51-0	Terphenyl-d14	53%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW8-C				
Lab Sample ID:	JA58750-12			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	79.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11432.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	83	21	ug/kg	
333-41-5	Diazinon	ND	83	21	ug/kg	
62-73-7	Dichlorvos	ND	83	21	ug/kg	
60-51-5	Dimethoate	ND	83	21	ug/kg	
298-04-4	Disulfoton	ND	83	42	ug/kg	
56-38-2	Ethyl Parathion	ND	83	21	ug/kg	
121-75-5	Malathion	ND	83	21	ug/kg	
298-00-0	Methyl Parathion	ND	83	21	ug/kg	
298-02-2	Phorate	ND	83	21	ug/kg	
299-84-3	Ronnel	ND	83	21	ug/kg	
3689-24-5	Sulfotep	ND	83	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	113%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
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Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW8-C

Lab Sample ID: JA58750-12

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8151 SW846 3550B

Percent Solids: 79.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95331.D	1	10/22/10	TDR	10/15/10	OP46195	GW3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.7	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	0.69	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.4	ug/kg	
75-99-0	Dalapon	ND	3.6	2.5	ug/kg	
88-85-7	Dinoseb	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	81%		13-146%
19719-28-9	2,4-DCAA	51%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.12

Client Sample ID: BBNP-CW8-C

Lab Sample ID: JA58750-12

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 79.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28466.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28509.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	19500 ^b	5000	710	ug/kg	
75-07-0	Acetaldehyde	81.4	1000	59	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	120%	118%	18-186%
123-72-8	Butyraldehyde	121%	124%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

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3.12



Client Sample ID: BBNP-CW8-C

Lab Sample ID: JA58750-12

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8081A SW846 3545

Percent Solids: 79.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58390.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.45	ug/kg	
12789-03-6	Chlordane	ND	36	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.61	ug/kg	
72-20-8	Endrin	ND	1.5	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.65	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		23-137%
877-09-8	Tetrachloro-m-xylene	75%		23-137%
2051-24-3	Decachlorobiphenyl	95%		22-160%
2051-24-3	Decachlorobiphenyl	94%		22-160%

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.12



Client Sample ID:	BBNP-CW8-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-12	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8082 SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50328.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		22-141%
877-09-8	Tetrachloro-m-xylene	72%		22-141%
2051-24-3	Decachlorobiphenyl	99%		18-163%
2051-24-3	Decachlorobiphenyl	101%		18-163%

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 RL = Reporting Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW8-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-12	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 79.7
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.6	2.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Arsenic	2.8	2.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Barium	34.3	26	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Beryllium	0.40	0.26	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Boron	< 13	13	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Cadmium	< 0.64	0.64	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Chromium	10.2	1.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Cobalt	7.6	6.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Copper	15.4	3.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Lead	10.8	2.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Manganese	499	1.9	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Mercury	< 0.039	0.039	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ² SW846 7471A ⁴
Nickel	15.1	5.1	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Selenium	< 2.6	2.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Silver	< 0.64	0.64	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Thallium	< 1.3	1.3	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Tin	< 6.4	6.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Vanadium	8.9	6.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³
Zinc	41.8	2.6	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹ SW846 3050B ³

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis



Client Sample ID: BBNP-CW8-C

Lab Sample ID: JA58750-12

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 79.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 18:35	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.50	0.50	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	10.2	1.8	mg/kg	1	11/01/10 23:45	GT	SW846 6010/7196A M
Cyanide	< 0.30	0.30	mg/kg	1	10/20/10 16:21	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 10:59	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	334		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	79.7		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 18:35	MS	EPA 300/SW846 9056
Total Organic Carbon ^b	10400	1300	mg/kg	1	10/28/10 11:46	SJG	CORP ENG 81M/SW9060M
pH	7.93		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

(b) Multiple injections indicate possible sample non-homogeneity.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.13

**Client Sample ID:** BBNP-CW11-C**Lab Sample ID:** JA58750-13**Date Sampled:** 10/13/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** DAI BY GC/MS 8260SIM**Percent Solids:** 82.7**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100565.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.095	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	145%		50-150%

ND = Not detected MDL - Method Detection Limit

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Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW11-C				
Lab Sample ID:	JA58750-13			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8260B			Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108311.D	1	10/25/10	JTP	n/a	n/a	VX4577
Run #2 ^a	X108344.D	1	10/26/10	JTP	n/a	n/a	VX4578

	Initial Weight
Run #1	10.7 g
Run #2	9.6 g

VOA Appendix IX + STAR List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.7	1.3	ug/kg	
75-05-8	Acetonitrile	ND	57	13	ug/kg	
107-02-8	Acrolein	ND	28	8.1	ug/kg	
107-13-1	Acrylonitrile	ND	28	0.47	ug/kg	
107-05-1	Allyl chloride	ND	2.8	0.49	ug/kg	
71-43-2	Benzene	ND	0.57	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.8	0.22	ug/kg	
74-97-5	Bromochloromethane	ND	2.8	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.15	ug/kg	
75-25-2	Bromoform	ND	2.8	0.085	ug/kg	
74-83-9	Bromomethane	ND	2.8	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.7	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	53	ug/kg	
104-51-8	n-Butylbenzene	ND	2.8	0.21	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.8	0.28	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.8	0.27	ug/kg	
75-15-0	Carbon disulfide	ND	2.8	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.8	0.31	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.19	ug/kg	
75-00-3	Chloroethane	ND	2.8	0.57	ug/kg	
67-66-3	Chloroform	ND	2.8	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.8	0.093	ug/kg	
126-99-8	Chloroprene	ND	2.8	0.63	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.8	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	0.31	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.062	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.57	0.077	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.8	0.078	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.57	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.8	0.37	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.8	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW11-C		
Lab Sample ID:	JA58750-13	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Appendix IX + STAR List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.8	0.073	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.075	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.054	ug/kg	
123-91-1	1,4-Dioxane	ND	71	49	ug/kg	
106-89-8	Epichlorohydrin	ND	57	0.98	ug/kg	
141-78-6	Ethyl Acetate	ND	2.8	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.8	0.18	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.7	0.073	ug/kg	
100-41-4	Ethylbenzene	ND	0.57	0.21	ug/kg	
110-54-3	Hexane	ND	2.8	0.087	ug/kg	
78-83-1	Isobutyl alcohol	ND	28	7.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.8	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	2.8	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.57	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.7	0.64	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.8	0.46	ug/kg	
74-95-3	Methylene bromide	ND	2.8	0.099	ug/kg	
75-09-2	Methylene chloride	ND	2.8	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.7	0.68	ug/kg	
103-65-1	n-Propylbenzene	ND	2.8	0.14	ug/kg	
100-42-5	Styrene	ND	2.8	0.060	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.8	0.060	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.082	ug/kg	
108-88-3	Toluene	ND	0.57	0.16	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.8		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.072	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.8	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.8	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	0.20	ug/kg	
108-05-4	Vinyl Acetate	ND	5.7	0.59	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	113%	67-127%
17060-07-0	1,2-Dichloroethane-D4	114%	128%	65-132%

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

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Client Sample ID: BBNP-CW11-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-13	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 82.7
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Appendix IX + STAR List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%	109%	74-129%
460-00-4	4-Bromofluorobenzene	175%	195%	62-138%

(a) Confirmation run for surrogate recoveries.

ND = Not detected MDL - Method Detection Limit
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Accutest Laboratories

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Client Sample ID:	BBNP-CW11-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-13	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2264.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	690	63	ug/kg	
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	10	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
62-53-3	Aniline	ND	69	7.2	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
92-87-5	Benzidine	ND	690	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	69	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW11-C		
Lab Sample ID:	JA58750-13	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	69	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	69	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	69	14	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW11-C		
Lab Sample ID:	JA58750-13	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		30-109%
4165-62-2	Phenol-d5	35%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	49%		28-113%
321-60-8	2-Fluorobiphenyl	49%		38-107%
1718-51-0	Terphenyl-d14	70%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW11-C				
Lab Sample ID:	JA58750-13			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11433.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	80	20	ug/kg	
333-41-5	Diazinon	ND	80	20	ug/kg	
62-73-7	Dichlorvos	ND	80	20	ug/kg	
60-51-5	Dimethoate	ND	80	20	ug/kg	
298-04-4	Disulfoton	ND	80	40	ug/kg	
56-38-2	Ethyl Parathion	ND	80	20	ug/kg	
121-75-5	Malathion	ND	80	20	ug/kg	
298-00-0	Methyl Parathion	ND	80	20	ug/kg	
298-02-2	Phorate	ND	80	20	ug/kg	
299-84-3	Ronnel	ND	80	20	ug/kg	
3689-24-5	Sulfotep	ND	80	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	111%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW11-C			
Lab Sample ID:	JA58750-13			Date Sampled: 10/13/10
Matrix:	SO - Soil			Date Received: 10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids: 82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95340.D	1	10/22/10	TDR	10/15/10	OP46195	GWV3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	0.66	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.4	ug/kg	
75-99-0	Dalapon	ND	3.5	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	104%		13-146%
19719-28-9	2,4-DCAA	59%		13-146%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW11-C				
Lab Sample ID:	JA58750-13			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28467.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28510.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	10600 ^b	4800	690	ug/kg	
75-07-0	Acetaldehyde	ND	970	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	122%	120%	18-186%
123-72-8	Butyraldehyde	123%	123%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW11-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-13	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58391.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.69	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
12789-03-6	Chlordane	ND	35	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		23-137%
877-09-8	Tetrachloro-m-xylene	70%		23-137%
2051-24-3	Decachlorobiphenyl	101%		22-160%
2051-24-3	Decachlorobiphenyl	92%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW11-C				
Lab Sample ID:	JA58750-13			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8082 SW846 3545			Percent Solids:	82.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50329.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	13	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	7.0	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		22-141%
877-09-8	Tetrachloro-m-xylene	70%		22-141%
2051-24-3	Decachlorobiphenyl	104%		18-163%
2051-24-3	Decachlorobiphenyl	105%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW11-C

Lab Sample ID: JA58750-13

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 82.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Arsenic	3.4	2.3	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Barium	26.8	23	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Beryllium	0.32	0.23	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Boron	< 11	11	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Cadmium	< 0.57	0.57	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Chromium	12.1	1.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Cobalt	6.3	5.7	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Copper	13.4	2.9	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Lead	9.4	2.3	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Manganese	407	1.7	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Mercury	< 0.039	0.039	mg/kg	1	11/03/10	11/05/10 JF	SW846 7471A ²	SW846 7471A ⁴
Nickel	15.9	4.6	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Selenium	< 2.3	2.3	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Silver	< 0.57	0.57	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Tin	< 5.7	5.7	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Vanadium	7.6	5.7	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³
Zinc	36.2	2.3	mg/kg	1	11/01/10	11/01/10 GT	SW846 6010B ¹	SW846 3050B ³

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW11-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-13	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 82.7
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 18:59	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	12.1	1.6	mg/kg	1	11/01/10 23:51	GT	SW846 6010/7196A M
Cyanide	< 0.28	0.28	mg/kg	1	10/20/10 16:23	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 11:01	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	339		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	82.7		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 18:59	MS	EPA 300/SW846 9056
Total Organic Carbon	7740	1200	mg/kg	1	10/28/10 12:24	SJG	CORP ENG 81M/SW9060M
pH	7.96		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

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Client Sample ID:	BBNP-CW14-C		Date Sampled:	10/13/10
Lab Sample ID:	JA58750-14		Date Received:	10/13/10
Matrix:	SO - Soil		Percent Solids:	84.5
Method:	DAI BY GC/MS 8260SIM			
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100566.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	148%		50-150%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW14-C

Lab Sample ID: JA58750-14

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 84.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108312.D	1	10/25/10	JTP	n/a	n/a	VX4577
Run #2							

	Initial Weight
Run #1	9.7 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6.1	1.4	ug/kg	
75-05-8	Acetonitrile	ND	61	14	ug/kg	
107-02-8	Acrolein	ND	31	8.7	ug/kg	
107-13-1	Acrylonitrile	ND	31	0.50	ug/kg	
107-05-1	Allyl chloride	ND	3.1	0.53	ug/kg	
71-43-2	Benzene	ND	0.61	0.21	ug/kg	
100-44-7	Benzyl Chloride	ND	3.1	0.24	ug/kg	
74-97-5	Bromochloromethane	ND	3.1	0.13	ug/kg	
75-27-4	Bromodichloromethane	ND	3.1	0.16	ug/kg	
75-25-2	Bromoform	ND	3.1	0.092	ug/kg	
74-83-9	Bromomethane	ND	3.1	0.25	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.1	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	150	58	ug/kg	
104-51-8	n-Butylbenzene	ND	3.1	0.23	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.1	0.30	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.1	0.29	ug/kg	
75-15-0	Carbon disulfide	ND	3.1	0.19	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.1	0.34	ug/kg	
108-90-7	Chlorobenzene	ND	3.1	0.21	ug/kg	
75-00-3	Chloroethane	ND	3.1	0.61	ug/kg	
67-66-3	Chloroform	ND	3.1	0.19	ug/kg	
74-87-3	Chloromethane	ND	3.1	0.10	ug/kg	
126-99-8	Chloroprene	ND	3.1	0.68	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.1	0.17	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	0.33	ug/kg	
124-48-1	Dibromochloromethane	ND	3.1	0.067	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.61	0.084	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.1	0.084	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.61	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.1	0.40	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.1	0.15	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.1	0.27	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW14-C		
Lab Sample ID:	JA58750-14	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	84.5
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.1	0.079	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.1	0.081	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.1	0.059	ug/kg	
123-91-1	1,4-Dioxane	ND	76	53	ug/kg	
106-89-8	Epichlorohydrin	ND	61	1.1	ug/kg	
141-78-6	Ethyl Acetate	ND	3.1	1.2	ug/kg	
60-29-7	Ethyl Ether	ND	3.1	0.20	ug/kg	
97-63-2	Ethyl methacrylate	ND	6.1	0.079	ug/kg	
100-41-4	Ethylbenzene	ND	0.61	0.23	ug/kg	
110-54-3	Hexane	ND	3.1	0.094	ug/kg	
78-83-1	Isobutyl alcohol	ND	31	7.6	ug/kg	
98-82-8	Isopropylbenzene	ND	3.1	0.32	ug/kg	
79-20-9	Methyl Acetate	ND	3.1	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.61	0.17	ug/kg	
80-62-6	Methyl methacrylate	ND	6.1	0.70	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.1	0.49	ug/kg	
74-95-3	Methylene bromide	ND	3.1	0.11	ug/kg	
75-09-2	Methylene chloride	ND	3.1	0.14	ug/kg	
79-46-9	2-Nitropropane	ND	6.1	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	3.1	0.16	ug/kg	
100-42-5	Styrene	ND	3.1	0.065	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.1	0.065	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.1	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	3.1	0.088	ug/kg	
108-88-3	Toluene	ND	0.61	0.18	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.1		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.1	0.078	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.1	0.11	ug/kg	
79-01-6	Trichloroethene	ND	3.1	0.32	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.1	0.19	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.1	0.26	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.1	0.22	ug/kg	
108-05-4	Vinyl Acetate	ND	6.1	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	3.1	0.11	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		67-127%
17060-07-0	1,2-Dichloroethane-D4	111%		65-132%

ND = Not detected MDL - Method Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	BBNP-CW14-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-14	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	113%		74-129%
460-00-4	4-Bromofluorobenzene	124%		62-138%

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Accutest Laboratories

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Client Sample ID: BBNP-CW14-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-14	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 84.5
Method: SW846 8270C SW846 3550B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2265.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	670	61	ug/kg	
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	57	ug/kg	
87-86-5	Pentachlorophenol	ND	340	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
62-53-3	Aniline	ND	67	7.0	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.6	ug/kg	
92-87-5	Benzidine	ND	670	120	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
100-51-6	Benzyl Alcohol	ND	67	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	BBNP-CW14-C			Date Sampled:	10/13/10
Lab Sample ID:	JA58750-14			Date Received:	10/13/10
Matrix:	SO - Soil			Percent Solids:	84.5
Method:	SW846 8270C SW846 3550B				
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	34	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	9.7	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	67	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	67	9.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	7.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.2	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.7	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	67	30	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	15	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
110-86-1	Pyridine	ND	67	13	ug/kg	
91-22-5	Quinoline	ND	170	32	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	8.9	ug/kg	

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Report of Analysis

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Client Sample ID:	BBNP-CW14-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-14	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	94%		30-109%
4165-62-2	Phenol-d5	78%		28-108%
118-79-6	2,4,6-Tribromophenol	60%		28-125%
4165-60-0	Nitrobenzene-d5	98%		28-113%
321-60-8	2-Fluorobiphenyl	92%		38-107%
1718-51-0	Terphenyl-d14	107%		31-116%

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Accutest Laboratories

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Client Sample ID:	BBNP-CW14-C				
Lab Sample ID:	JA58750-14			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B			Percent Solids:	84.5
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11434.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	78	19	ug/kg	
333-41-5	Diazinon	ND	78	19	ug/kg	
62-73-7	Dichlorvos	ND	78	19	ug/kg	
60-51-5	Dimethoate	ND	78	19	ug/kg	
298-04-4	Disulfoton	ND	78	39	ug/kg	
56-38-2	Ethyl Parathion	ND	78	19	ug/kg	
121-75-5	Malathion	ND	78	19	ug/kg	
298-00-0	Methyl Parathion	ND	78	19	ug/kg	
298-02-2	Phorate	ND	78	19	ug/kg	
299-84-3	Ronnel	ND	78	19	ug/kg	
3689-24-5	Sulfotep	ND	78	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	92%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

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Accutest Laboratories

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Client Sample ID:	BBNP-CW14-C				
Lab Sample ID:	JA58750-14			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	84.5
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95332.D	1	10/22/10	TDR	10/15/10	OP46195	GWV3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	5.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.65	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.3	ug/kg	
75-99-0	Dalapon	ND	3.4	2.4	ug/kg	
88-85-7	Dinoseb	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	80%		13-146%
19719-28-9	2,4-DCAA	44%		13-146%

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Accutest Laboratories

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Client Sample ID: BBNP-CW14-C

Lab Sample ID: JA58750-14

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 84.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28468.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28511.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	20600 ^b	4700	670	ug/kg	
75-07-0	Acetaldehyde	88.5	950	55	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	137%	128%	18-186%
123-72-8	Butyraldehyde	137%	137%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

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Accutest Laboratories

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Client Sample ID:	BBNP-CW14-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-14	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58394.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.62	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
12789-03-6	Chlordane	ND	34	10	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.59	ug/kg	
72-55-9	4,4'-DDE	1.8	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	2.7	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.61	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		23-137%
877-09-8	Tetrachloro-m-xylene	77%		23-137%
2051-24-3	Decachlorobiphenyl	98%		22-160%
2051-24-3	Decachlorobiphenyl	98%		22-160%

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Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW14-C

Lab Sample ID: JA58750-14

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 84.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50330.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	23	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.8	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.7	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		22-141%
877-09-8	Tetrachloro-m-xylene	76%		22-141%
2051-24-3	Decachlorobiphenyl	105%		18-163%
2051-24-3	Decachlorobiphenyl	107%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW14-C

Lab Sample ID: JA58750-14

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 84.5

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Arsenic	2.7	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Barium	< 24	24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Beryllium	0.29	0.24	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cadmium	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Chromium	7.1	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Cobalt	6.2	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Copper	12.9	3.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Lead	7.9	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Manganese	416	1.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Mercury	< 0.036	0.036	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	12.3	4.8	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Silver	< 0.60	0.60	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Tin	< 6.0	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Vanadium	7.1	6.0	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹
Zinc	32.9	2.4	mg/kg	1	11/01/10	11/01/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

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3

Client Sample ID: BBNP-CW14-C**Lab Sample ID:** JA58750-14**Date Sampled:** 10/13/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Percent Solids:** 84.5**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 24	24	mg/kg	1	10/28/10 19:23	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.47	0.47	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	7.1	1.7	mg/kg	1	11/01/10 23:58	GT	SW846 6010/7196A M
Cyanide	< 0.26	0.26	mg/kg	1	10/20/10 16:25	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 22	22	mg/kg	1	10/26/10 11:02	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	336		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	84.5		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 19:23	MS	EPA 300/SW846 9056
Total Organic Carbon	6760	1200	mg/kg	1	10/28/10 12:34	SJG	CORP ENG 81M/SW9060M
pH	8.37		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3.15



Client Sample ID:	BBNP-CW17-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-15	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100567.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.32	0.10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	78% ^a		50-150%

(a) double spiked.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW17-C

Lab Sample ID: JA58750-15

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 78.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108260.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 11.2 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.7	1.3	ug/kg	
75-05-8	Acetonitrile	ND	57	13	ug/kg	
107-02-8	Acrolein	ND	28	8.1	ug/kg	
107-13-1	Acrylonitrile	ND	28	0.47	ug/kg	
107-05-1	Allyl chloride	ND	2.8	0.49	ug/kg	
71-43-2	Benzene	ND	0.57	0.19	ug/kg	
100-44-7	Benzyl Chloride	ND	2.8	0.23	ug/kg	
74-97-5	Bromochloromethane	ND	2.8	0.12	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.15	ug/kg	
75-25-2	Bromoform	ND	2.8	0.086	ug/kg	
74-83-9	Bromomethane	ND	2.8	0.23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.7	1.1	ug/kg	
71-36-3	n-Butyl Alcohol	ND	140	54	ug/kg	
104-51-8	n-Butylbenzene	ND	2.8	0.22	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.8	0.28	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.8	0.27	ug/kg	
75-15-0	Carbon disulfide	ND	2.8	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.8	0.31	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.19	ug/kg	
75-00-3	Chloroethane	ND	2.8	0.57	ug/kg	
67-66-3	Chloroform	ND	2.8	0.18	ug/kg	
74-87-3	Chloromethane	ND	2.8	0.094	ug/kg	
126-99-8	Chloroprene	ND	2.8	0.63	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.8	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	0.31	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.062	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.57	0.078	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.8	0.078	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.57	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.8	0.38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.8	0.14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.8	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW17-C		
Lab Sample ID:	JA58750-15	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.8	0.074	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.075	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.054	ug/kg	
123-91-1	1,4-Dioxane	ND	71	49	ug/kg	
106-89-8	Epichlorohydrin	ND	57	0.98	ug/kg	
141-78-6	Ethyl Acetate	ND	2.8	1.1	ug/kg	
60-29-7	Ethyl Ether	ND	2.8	0.19	ug/kg	
97-63-2	Ethyl methacrylate	ND	5.7	0.074	ug/kg	
100-41-4	Ethylbenzene	ND	0.57	0.21	ug/kg	
110-54-3	Hexane	ND	2.8	0.087	ug/kg	
78-83-1	Isobutyl alcohol	ND	28	7.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.8	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	2.8	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.57	0.16	ug/kg	
80-62-6	Methyl methacrylate	ND	5.7	0.65	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.8	0.46	ug/kg	
74-95-3	Methylene bromide	ND	2.8	0.10	ug/kg	
75-09-2	Methylene chloride	ND	2.8	0.13	ug/kg	
79-46-9	2-Nitropropane	ND	5.7	0.69	ug/kg	
103-65-1	n-Propylbenzene	ND	2.8	0.14	ug/kg	
100-42-5	Styrene	ND	2.8	0.061	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.8	0.060	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.082	ug/kg	
108-88-3	Toluene	ND	0.57	0.17	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	2.8		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.073	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.10	ug/kg	
79-01-6	Trichloroethene	ND	2.8	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.8	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	0.20	ug/kg	
108-05-4	Vinyl Acetate	ND	5.7	0.60	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.10	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW17-C		
Lab Sample ID:	JA58750-15	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	116%		62-138%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW17-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-15	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2266.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	720	66	ug/kg	
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	36	10	ug/kg	
208-96-8	Acenaphthylene	ND	36	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.4	ug/kg	
62-53-3	Aniline	ND	72	7.6	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.1	ug/kg	
92-87-5	Benzidine	ND	720	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
100-51-6	Benzyl Alcohol	ND	72	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.2	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	72	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW17-C		
Lab Sample ID:	JA58750-15	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	36	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	72	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	13	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	72	32	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	ND	36	16	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	
110-86-1	Pyridine	ND	72	14	ug/kg	
91-22-5	Quinoline	ND	180	34	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW17-C		
Lab Sample ID:	JA58750-15	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	39%		28-125%
4165-60-0	Nitrobenzene-d5	59%		28-113%
321-60-8	2-Fluorobiphenyl	57%		38-107%
1718-51-0	Terphenyl-d14	72%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW17-C

Lab Sample ID: JA58750-15

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 78.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11435.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	85	21	ug/kg	
333-41-5	Diazinon	ND	85	21	ug/kg	
62-73-7	Dichlorvos	ND	85	21	ug/kg	
60-51-5	Dimethoate	ND	85	21	ug/kg	
298-04-4	Disulfoton	ND	85	43	ug/kg	
56-38-2	Ethyl Parathion	ND	85	21	ug/kg	
121-75-5	Malathion	ND	85	21	ug/kg	
298-00-0	Methyl Parathion	ND	85	21	ug/kg	
298-02-2	Phorate	ND	85	21	ug/kg	
299-84-3	Ronnel	ND	85	21	ug/kg	
3689-24-5	Sulfotep	ND	85	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	113%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW17-C		
Lab Sample ID:	JA58750-15	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B	Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95333.D	1	10/22/10	TDR	10/15/10	OP46195	GW3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	0.70	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.4	ug/kg	
75-99-0	Dalapon	ND	3.6	2.5	ug/kg	
88-85-7	Dinoseb	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	98%		13-146%
19719-28-9	2,4-DCAA	47%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.15



Client Sample ID:	BBNP-CW17-C				
Lab Sample ID:	JA58750-15			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28469.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28512.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	8570 ^b	5100	720	ug/kg	
75-07-0	Acetaldehyde	79.5	1000	59	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	117%	117%	18-186%
123-72-8	Butyraldehyde	118%	121%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW17-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-15	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58395.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.67	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.46	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.73	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.41	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.46	ug/kg	
12789-03-6	Chlordane	ND	37	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.50	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.58	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.52	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.63	ug/kg	
72-20-8	Endrin	ND	1.5	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.57	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.51	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.57	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.67	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		23-137%
877-09-8	Tetrachloro-m-xylene	69%		23-137%
2051-24-3	Decachlorobiphenyl	88%		22-160%
2051-24-3	Decachlorobiphenyl	82%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW17-C				
Lab Sample ID:	JA58750-15			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8082 SW846 3545			Percent Solids:	78.7
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50331.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	25	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.4	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.4	ug/kg	
11096-82-5	Aroclor 1260	ND	37	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		22-141%
877-09-8	Tetrachloro-m-xylene	68%		22-141%
2051-24-3	Decachlorobiphenyl	89%		18-163%
2051-24-3	Decachlorobiphenyl	91%		18-163%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW17-C

Lab Sample ID: JA58750-15

Matrix: SO - Soil

Date Sampled: 10/13/10

Date Received: 10/13/10

Percent Solids: 78.7

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.6	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Arsenic	3.6	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Barium	41.5	26	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Beryllium	0.41	0.26	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Boron	< 13	13	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cadmium	< 0.64	0.64	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Chromium	8.8	1.3	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cobalt	7.6	6.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Copper	15.5	3.2	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Lead	9.6	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Manganese	406	1.9	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Mercury	< 0.037	0.037	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	14.5	5.1	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Selenium	< 2.6	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Silver	< 0.64	0.64	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Thallium	< 1.3	1.3	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Tin	< 6.4	6.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Vanadium	8.6	6.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Zinc	38.2	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

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Client Sample ID: BBNP-CW17-C	Date Sampled: 10/13/10
Lab Sample ID: JA58750-15	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 78.7
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 19:47	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.51	0.51	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	8.8	1.8	mg/kg	1	11/02/10 00:04	GT	SW846 6010/7196A M
Cyanide	< 0.29	0.29	mg/kg	1	10/20/10 16:26	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 25	25	mg/kg	1	10/26/10 11:03	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	349		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	78.7		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 130	130	mg/kg	1	10/28/10 19:47	MS	EPA 300/SW846 9056
Total Organic Carbon ^b	9090	1300	mg/kg	1	10/28/10 12:59	SJG	CORP ENG 81M/SW9060M
pH	7.91		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

(b) Multiple injections indicate possible sample non-homogeneity.

RL = Reporting Limit

Accutest Laboratories

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Client Sample ID:	BBNP-CW20-C				
Lab Sample ID:	JA58750-16			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	DAI BY GC/MS 8260SIM			Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100568.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.30	0.096	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	67%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3.16

Client Sample ID: BBNP-CW20-C

Lab Sample ID: JA58750-16

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 81.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108261.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 8.9 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.3	6.9	1.5	ug/kg	
75-05-8	Acetonitrile	ND	69	16	ug/kg	
107-02-8	Acrolein	ND	35	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	35	0.57	ug/kg	
107-05-1	Allyl chloride	ND	3.5	0.59	ug/kg	
71-43-2	Benzene	ND	0.69	0.24	ug/kg	
100-44-7	Benzyl Chloride	ND	3.5	0.27	ug/kg	
74-97-5	Bromochloromethane	ND	3.5	0.15	ug/kg	
75-27-4	Bromodichloromethane	ND	3.5	0.18	ug/kg	
75-25-2	Bromoform	ND	3.5	0.10	ug/kg	
74-83-9	Bromomethane	ND	3.5	0.28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.9	1.4	ug/kg	
71-36-3	n-Butyl Alcohol	ND	170	65	ug/kg	
104-51-8	n-Butylbenzene	ND	3.5	0.26	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.5	0.34	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.5	0.33	ug/kg	
75-15-0	Carbon disulfide	ND	3.5	0.21	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.5	0.38	ug/kg	
108-90-7	Chlorobenzene	ND	3.5	0.23	ug/kg	
75-00-3	Chloroethane	ND	3.5	0.69	ug/kg	
67-66-3	Chloroform	ND	3.5	0.22	ug/kg	
74-87-3	Chloromethane	ND	3.5	0.11	ug/kg	
126-99-8	Chloroprene	ND	3.5	0.77	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.5	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.9	0.37	ug/kg	
124-48-1	Dibromochloromethane	ND	3.5	0.076	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.69	0.095	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.5	0.095	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.69	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.5	0.46	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.5	0.16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.5	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW20-C		
Lab Sample ID:	JA58750-16	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.5	0.090	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.5	0.092	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.5	0.066	ug/kg	
123-91-1	1,4-Dioxane	ND	86	60	ug/kg	
106-89-8	Epichlorohydrin	ND	69	1.2	ug/kg	
141-78-6	Ethyl Acetate	ND	3.5	1.3	ug/kg	
60-29-7	Ethyl Ether	ND	3.5	0.23	ug/kg	
97-63-2	Ethyl methacrylate	ND	6.9	0.090	ug/kg	
100-41-4	Ethylbenzene	ND	0.69	0.26	ug/kg	
110-54-3	Hexane	ND	3.5	0.11	ug/kg	
78-83-1	Isobutyl alcohol	ND	35	8.6	ug/kg	
98-82-8	Isopropylbenzene	ND	3.5	0.36	ug/kg	
79-20-9	Methyl Acetate	ND	3.5	0.57	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.69	0.19	ug/kg	
80-62-6	Methyl methacrylate	ND	6.9	0.79	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.5	0.56	ug/kg	
74-95-3	Methylene bromide	ND	3.5	0.12	ug/kg	
75-09-2	Methylene chloride	ND	3.5	0.15	ug/kg	
79-46-9	2-Nitropropane	ND	6.9	0.84	ug/kg	
103-65-1	n-Propylbenzene	ND	3.5	0.18	ug/kg	
100-42-5	Styrene	ND	3.5	0.074	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.5	0.073	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.5	0.20	ug/kg	
127-18-4	Tetrachloroethene	ND	3.5	0.10	ug/kg	
108-88-3	Toluene	ND	0.69	0.20	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.5		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.5	0.088	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.5	0.13	ug/kg	
79-01-6	Trichloroethene	ND	3.5	0.36	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.5	0.22	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.5	0.30	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.5	0.25	ug/kg	
108-05-4	Vinyl Acetate	ND	6.9	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	3.5	0.12	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	BBNP-CW20-C		
Lab Sample ID:	JA58750-16	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW20-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-16	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2267.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	700	64	ug/kg	
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
98-86-2	Acetophenone	ND	180	6.2	ug/kg	
62-53-3	Aniline	ND	70	7.4	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
1912-24-9	Atrazine	ND	180	6.9	ug/kg	
92-87-5	Benzidine	ND	700	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
100-51-6	Benzyl Alcohol	ND	70	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.1	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW20-C		
Lab Sample ID:	JA58750-16	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	35	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	70	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.6	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	70	31	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	
110-86-1	Pyridine	ND	70	14	ug/kg	
91-22-5	Quinoline	ND	180	33	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW20-C	
Lab Sample ID: JA58750-16	Date Sampled: 10/13/10
Matrix: SO - Soil	Date Received: 10/13/10
Method: SW846 8270C SW846 3550B	Percent Solids: 81.4
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		30-109%
4165-62-2	Phenol-d5	46%		28-108%
118-79-6	2,4,6-Tribromophenol	49%		28-125%
4165-60-0	Nitrobenzene-d5	63%		28-113%
321-60-8	2-Fluorobiphenyl	60%		38-107%
1718-51-0	Terphenyl-d14	72%		31-116%

ND = Not detected MDL - Method Detection Limit
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Accutest Laboratories

Report of Analysis

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3.16

Client Sample ID: BBNP-CW20-C

Lab Sample ID: JA58750-16

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 81.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11436.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	81	20	ug/kg	
333-41-5	Diazinon	ND	81	20	ug/kg	
62-73-7	Dichlorvos	ND	81	20	ug/kg	
60-51-5	Dimethoate	ND	81	20	ug/kg	
298-04-4	Disulfoton	ND	81	41	ug/kg	
56-38-2	Ethyl Parathion	ND	81	20	ug/kg	
121-75-5	Malathion	ND	81	20	ug/kg	
298-00-0	Methyl Parathion	ND	81	20	ug/kg	
298-02-2	Phorate	ND	81	20	ug/kg	
299-84-3	Ronnel	ND	81	20	ug/kg	
3689-24-5	Sulfotep	ND	81	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	108%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW20-C				
Lab Sample ID:	JA58750-16			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8151 SW846 3550B			Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95334.D	1	10/22/10	TDR	10/15/10	OP46195	GW3334
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.6	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	0.67	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.4	ug/kg	
75-99-0	Dalapon	ND	3.5	2.4	ug/kg	
88-85-7	Dinoseb	ND	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	29%		13-146%
19719-28-9	2,4-DCAA	179% ^a		13-146%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

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Client Sample ID:	BBNP-CW20-C				
Lab Sample ID:	JA58750-16			Date Sampled:	10/13/10
Matrix:	SO - Soil			Date Received:	10/13/10
Method:	SW846 8315 SW846 8315			Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28470.D	1	10/21/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28513.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	10800 ^b	4900	700	ug/kg	
75-07-0	Acetaldehyde	111	980	57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	134%	128%	18-186%
123-72-8	Butyraldehyde	136%	132%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

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Accutest Laboratories

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Client Sample ID:	BBNP-CW20-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-16	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58396.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
12789-03-6	Chlordane	ND	36	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		23-137%
877-09-8	Tetrachloro-m-xylene	68%		23-137%
2051-24-3	Decachlorobiphenyl	98%		22-160%
2051-24-3	Decachlorobiphenyl	93%		22-160%

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Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW20-C

Lab Sample ID: JA58750-16

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 81.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50327.D	1	10/27/10	TDR	10/26/10	OP46353	G3G1851
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.1	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		22-141%
877-09-8	Tetrachloro-m-xylene	68%		22-141%
2051-24-3	Decachlorobiphenyl	100%		18-163%
2051-24-3	Decachlorobiphenyl	103%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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Report of Analysis

Client Sample ID: BBNP-CW20-C

Lab Sample ID: JA58750-16

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 81.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Arsenic	3.4	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Barium	27.4	24	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Beryllium	0.36	0.24	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cadmium	< 0.59	0.59	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Chromium	8.2	1.2	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cobalt	8.4	5.9	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Copper	13.0	3.0	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Lead	10.1	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Manganese	381	1.8	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Mercury	< 0.038	0.038	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	15.0	4.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Silver	< 0.59	0.59	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Tin	< 5.9	5.9	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Vanadium	7.4	5.9	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Zinc	43.3	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	BBNP-CW20-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-16	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	81.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 20:59	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.49	0.49	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	8.2	1.7	mg/kg	1	11/02/10 00:10	GT	SW846 6010/7196A M
Cyanide	< 0.26	0.26	mg/kg	1	10/20/10 16:27	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 23	23	mg/kg	1	10/26/10 11:04	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	335		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	81.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 120	120	mg/kg	1	10/28/10 20:59	MS	EPA 300/SW846 9056
Total Organic Carbon	27700	1200	mg/kg	1	10/30/10 11:25	SJG	CORP ENG 81M/SW9060M
pH	7.34		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

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Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	DAI BY GC/MS 8260SIM		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100569.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.31	0.098	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	60%		50-150%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108262.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2 ^a	X108313.D	1	10/25/10	JTP	n/a	n/a	VX4577

	Initial Weight
Run #1	9.2 g
Run #2	9.9 g

VOA Appendix IX + STAR List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6.9	1.5	ug/kg	
75-05-8	Acetonitrile	ND	69	16	ug/kg	
107-02-8	Acrolein	ND	34	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	34	0.57	ug/kg	
107-05-1	Allyl chloride	ND	3.4	0.59	ug/kg	
71-43-2	Benzene	ND	0.69	0.23	ug/kg	
100-44-7	Benzyl Chloride	ND	3.4	0.27	ug/kg	
74-97-5	Bromochloromethane	ND	3.4	0.15	ug/kg	
75-27-4	Bromodichloromethane	ND	3.4	0.18	ug/kg	
75-25-2	Bromoform	ND	3.4	0.10	ug/kg	
74-83-9	Bromomethane	ND	3.4	0.28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.9	1.4	ug/kg	
71-36-3	n-Butyl Alcohol	ND	170	65	ug/kg	
104-51-8	n-Butylbenzene	ND	3.4	0.26	ug/kg	
135-98-8	sec-Butylbenzene	ND	3.4	0.34	ug/kg	
98-06-6	tert-Butylbenzene	ND	3.4	0.33	ug/kg	
75-15-0	Carbon disulfide	ND	3.4	0.21	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.4	0.38	ug/kg	
108-90-7	Chlorobenzene	ND	3.4	0.23	ug/kg	
75-00-3	Chloroethane	ND	3.4	0.69	ug/kg	
67-66-3	Chloroform	ND	3.4	0.22	ug/kg	
74-87-3	Chloromethane	ND	3.4	0.11	ug/kg	
126-99-8	Chloroprene	ND	3.4	0.76	ug/kg	
95-49-8	o-Chlorotoluene	ND	3.4	0.20	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.9	0.37	ug/kg	
124-48-1	Dibromochloromethane	ND	3.4	0.076	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.69	0.094	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.4	0.095	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.69	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.4	0.45	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.4	0.16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.4	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW23-C	
Lab Sample ID:	JA58750-17	Date Sampled: 10/13/10
Matrix:	SO - Soil	Date Received: 10/13/10
Method:	SW846 8260B	Percent Solids: 79.1
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Appendix IX + STAR List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	3.4	0.089	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.4	0.091	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.4	0.066	ug/kg	
123-91-1	1,4-Dioxane	ND	86	59	ug/kg	
106-89-8	Epichlorohydrin	ND	69	1.2	ug/kg	
141-78-6	Ethyl Acetate	ND	3.4	1.3	ug/kg	
60-29-7	Ethyl Ether	ND	3.4	0.22	ug/kg	
97-63-2	Ethyl methacrylate	ND	6.9	0.089	ug/kg	
100-41-4	Ethylbenzene	ND	0.69	0.25	ug/kg	
110-54-3	Hexane	ND	3.4	0.11	ug/kg	
78-83-1	Isobutyl alcohol	ND	34	8.5	ug/kg	
98-82-8	Isopropylbenzene	ND	3.4	0.36	ug/kg	
79-20-9	Methyl Acetate	ND	3.4	0.57	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.69	0.19	ug/kg	
80-62-6	Methyl methacrylate	ND	6.9	0.78	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.4	0.56	ug/kg	
74-95-3	Methylene bromide	ND	3.4	0.12	ug/kg	
75-09-2	Methylene chloride	ND	3.4	0.15	ug/kg	
79-46-9	2-Nitropropane	ND	6.9	0.83	ug/kg	
103-65-1	n-Propylbenzene	ND	3.4	0.18	ug/kg	
100-42-5	Styrene	ND	3.4	0.074	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.4	0.073	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.4	0.20	ug/kg	
127-18-4	Tetrachloroethene	ND	3.4	0.10	ug/kg	
108-88-3	Toluene	ND	0.69	0.20	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	3.4		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.4	0.088	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.4	0.13	ug/kg	
79-01-6	Trichloroethene	ND	3.4	0.36	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.4	0.22	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	3.4	0.30	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3.4	0.25	ug/kg	
108-05-4	Vinyl Acetate	ND	6.9	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	3.4	0.12	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	120%	67-127%
17060-07-0	1,2-Dichloroethane-D4	97%	115%	65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Appendix IX + STAR List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	106%	98%	74-129%
460-00-4	4-Bromofluorobenzene	143%	198%	62-138%

(a) Confirmation run for surrogate recoveries.

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270C SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2268.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	720	65	ug/kg	
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	36	10	ug/kg	
208-96-8	Acenaphthylene	ND	36	11	ug/kg	
98-86-2	Acetophenone	ND	180	6.3	ug/kg	
62-53-3	Aniline	ND	72	7.5	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.1	ug/kg	
92-87-5	Benzidine	ND	720	130	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
100-51-6	Benzyl Alcohol	ND	72	15	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.2	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	72	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW23-C		
Lab Sample ID:	JA58750-17	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.1
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	36	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	72	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	17	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	12	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	72	32	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	36	16	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	
110-86-1	Pyridine	ND	72	14	ug/kg	
91-22-5	Quinoline	ND	180	34	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW23-C		
Lab Sample ID:	JA58750-17	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.1
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-109%
4165-62-2	Phenol-d5	41%		28-108%
118-79-6	2,4,6-Tribromophenol	40%		28-125%
4165-60-0	Nitrobenzene-d5	53%		28-113%
321-60-8	2-Fluorobiphenyl	48%		38-107%
1718-51-0	Terphenyl-d14	58%		31-116%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C		
Lab Sample ID:	JA58750-17	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8141B SW846 3550B	Percent Solids:	79.1
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11439.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	84	21	ug/kg	
333-41-5	Diazinon	ND	84	21	ug/kg	
62-73-7	Dichlorvos	ND	84	21	ug/kg	
60-51-5	Dimethoate	ND	84	21	ug/kg	
298-04-4	Disulfoton	ND	84	42	ug/kg	
56-38-2	Ethyl Parathion	ND	84	21	ug/kg	
121-75-5	Malathion	ND	84	21	ug/kg	
298-00-0	Methyl Parathion	ND	84	21	ug/kg	
298-02-2	Phorate	ND	84	21	ug/kg	
299-84-3	Ronnel	ND	84	21	ug/kg	
3689-24-5	Sulfotep	ND	84	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	95%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8151 SW846 3550B		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95231.D	1	10/19/10	TDR	10/15/10	OP46195	GW3331
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	5.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	0.69	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.4	ug/kg	
75-99-0	Dalapon	ND	3.6	2.5	ug/kg	
88-85-7	Dinoseb	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	87%		13-146%
19719-28-9	2,4-DCAA	51%		13-146%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C		
Lab Sample ID:	JA58750-17	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8315 SW846 8315	Percent Solids:	79.1
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28472.D	1	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28515.D	10	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	17800 ^b	10000	1400	ug/kg	
75-07-0	Acetaldehyde	99.9	1000	59	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	107%	111%	18-186%
123-72-8	Butyraldehyde	107%	120%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW23-C	Date Sampled:	10/13/10
Lab Sample ID:	JA58750-17	Date Received:	10/13/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8081A SW846 3545		
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58397.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.66	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.46	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.72	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.46	ug/kg	
12789-03-6	Chlordane	ND	37	11	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.50	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.58	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.51	ug/kg	
50-29-3	4,4'-DDT	1.9	1.5	0.62	ug/kg	
72-20-8	Endrin	ND	1.5	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.56	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.66	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	34%		23-137%
877-09-8	Tetrachloro-m-xylene	29%		23-137%
2051-24-3	Decachlorobiphenyl	77%		22-160%
2051-24-3	Decachlorobiphenyl	69%		22-160%

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW23-C

Lab Sample ID: JA58750-17

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 79.1

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50385.D	1	10/28/10	TDR	10/26/10	OP46353	G3G1852
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	24	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.3	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.3	ug/kg	
11096-82-5	Aroclor 1260	ND	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	27%		22-141%
877-09-8	Tetrachloro-m-xylene	27%		22-141%
2051-24-3	Decachlorobiphenyl	67%		18-163%
2051-24-3	Decachlorobiphenyl	71%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BBNP-CW23-C

Lab Sample ID: JA58750-17

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 79.1

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Arsenic	2.6	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Barium	29.6	24	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Beryllium	0.34	0.24	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Boron	< 12	12	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cadmium	< 0.61	0.61	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Chromium	8.7	1.2	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cobalt	7.8	6.1	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Copper	14.3	3.1	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Lead	8.8	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Manganese	529	1.8	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Mercury	< 0.038	0.038	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	15.0	4.9	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Selenium	< 2.4	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Silver	< 0.61	0.61	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Thallium	< 1.2	1.2	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Tin	< 6.1	6.1	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Vanadium	8.2	6.1	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Zinc	41.7	2.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Client Sample ID: BBNP-CW23-C**Lab Sample ID:** JA58750-17**Matrix:** SO - Soil**Date Sampled:** 10/13/10**Date Received:** 10/13/10**Percent Solids:** 79.1**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 25	25	mg/kg	1	10/28/10 21:22	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.51	0.51	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	8.7	1.7	mg/kg	1	11/02/10 00:16	GT	SW846 6010/7196A M
Cyanide	< 0.29	0.29	mg/kg	1	10/20/10 16:28	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 24	24	mg/kg	1	10/26/10 11:04	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	334		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	79.1		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 130	130	mg/kg	1	10/28/10 21:22	MS	EPA 300/SW846 9056
Total Organic Carbon	15100	1300	mg/kg	1	10/28/10 13:20	SJG	CORP ENG 81M/SW9060M
pH	7.92		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW20-C-FD**Lab Sample ID:** JA58750-18**Date Sampled:** 10/13/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Method:** DAI BY GC/MS 8260SIM**Percent Solids:** 59.4**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H100570.D	1	10/26/10	KLS	n/a	n/a	EH4373
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.42	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	81% ^a		50-150%

(a) double spiked.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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3

Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8260B

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X108263.D	1	10/23/10	JTP	n/a	n/a	VX4575
Run #2							

Initial Weight

Run #1 8.9 g

Run #2

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.2	9.5	2.1	ug/kg	
75-05-8	Acetonitrile	ND	95	22	ug/kg	
107-02-8	Acrolein	ND	47	14	ug/kg	
107-13-1	Acrylonitrile	ND	47	0.78	ug/kg	
107-05-1	Allyl chloride	ND	4.7	0.81	ug/kg	
71-43-2	Benzene	ND	0.95	0.32	ug/kg	
100-44-7	Benzyl Chloride	ND	4.7	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.21	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	0.24	ug/kg	
75-25-2	Bromoform	ND	4.7	0.14	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.5	1.9	ug/kg	
71-36-3	n-Butyl Alcohol	ND	240	89	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	0.36	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	0.46	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	0.45	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	0.29	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.32	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.95	ug/kg	
67-66-3	Chloroform	ND	4.7	0.30	ug/kg	
74-87-3	Chloromethane	ND	4.7	0.16	ug/kg	
126-99-8	Chloroprene	ND	4.7	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	9.5	0.51	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	0.10	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.95	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.95	0.33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.7	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.7	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.7	0.42	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BBNP-CW20-C-FD		
Lab Sample ID:	JA58750-18	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8260B	Percent Solids:	59.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	4.7	0.12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.091	ug/kg	
123-91-1	1,4-Dioxane	ND	120	82	ug/kg	
106-89-8	Epichlorohydrin	ND	95	1.6	ug/kg	
141-78-6	Ethyl Acetate	ND	4.7	1.8	ug/kg	
60-29-7	Ethyl Ether	ND	4.7	0.31	ug/kg	
97-63-2	Ethyl methacrylate	ND	9.5	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	0.95	0.35	ug/kg	
110-54-3	Hexane	ND	4.7	0.15	ug/kg	
78-83-1	Isobutyl alcohol	ND	47	12	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	0.49	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	0.78	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.95	0.27	ug/kg	
80-62-6	Methyl methacrylate	ND	9.5	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	0.77	ug/kg	
74-95-3	Methylene bromide	ND	4.7	0.17	ug/kg	
75-09-2	Methylene chloride	ND	4.7	0.21	ug/kg	
79-46-9	2-Nitropropane	ND	9.5	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	0.24	ug/kg	
100-42-5	Styrene	ND	4.7	0.10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	0.28	ug/kg	
127-18-4	Tetrachloroethene	ND	4.7	0.14	ug/kg	
108-88-3	Toluene	ND	0.95	0.28	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	4.7		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.17	ug/kg	
79-01-6	Trichloroethene	ND	4.7	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	0.30	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.41	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.34	ug/kg	
108-05-4	Vinyl Acetate	ND	9.5	0.99	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	102%		65-132%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BBNP-CW20-C-FD	Date Sampled: 10/13/10
Lab Sample ID: JA58750-18	Date Received: 10/13/10
Matrix: SO - Soil	Percent Solids: 59.4
Method: SW846 8260B	
Project: Bell Bend Nuclear Power Plant, Salem Township, PA	

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8270C SW846 3550B

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2269.D	1	11/02/10	NAP	10/22/10	OP46301	E2P127
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	960	88	ug/kg	
95-57-8	2-Chlorophenol	ND	240	49	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	48	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	77	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	81	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	960	59	ug/kg	
95-48-7	2-Methylphenol	ND	96	55	ug/kg	
	3&4-Methylphenol	ND	96	61	ug/kg	
88-75-5	2-Nitrophenol	ND	240	51	ug/kg	
100-02-7	4-Nitrophenol	ND	480	81	ug/kg	
87-86-5	Pentachlorophenol	ND	480	82	ug/kg	
108-95-2	Phenol	ND	96	51	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	240	50	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	56	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	45	ug/kg	
83-32-9	Acenaphthene	ND	48	14	ug/kg	
208-96-8	Acenaphthylene	ND	48	15	ug/kg	
98-86-2	Acetophenone	ND	240	8.5	ug/kg	
62-53-3	Aniline	ND	96	10	ug/kg	
120-12-7	Anthracene	ND	48	17	ug/kg	
1912-24-9	Atrazine	ND	240	9.5	ug/kg	
92-87-5	Benzidine	ND	960	180	ug/kg	
56-55-3	Benzo(a)anthracene	ND	48	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	48	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	48	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	48	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	48	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	96	28	ug/kg	
100-51-6	Benzyl Alcohol	ND	96	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	96	5.6	ug/kg	
106-47-8	4-Chloroaniline	ND	240	15	ug/kg	
86-74-8	Carbazole	ND	96	22	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW20-C-FD		
Lab Sample ID:	JA58750-18	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	59.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	48	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	96	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	96	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	96	14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	96	14	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	96	20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	96	13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	96	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	96	21	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	96	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	240	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	48	16	ug/kg	
132-64-9	Dibenzofuran	ND	96	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	96	11	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	96	23	ug/kg	
84-66-2	Diethyl phthalate	ND	96	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	96	42	ug/kg	
206-44-0	Fluoranthene	ND	48	21	ug/kg	
86-73-7	Fluorene	ND	48	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	96	16	ug/kg	
87-68-3	Hexachlorobutadiene	ND	48	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	960	49	ug/kg	
67-72-1	Hexachloroethane	ND	240	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	48	17	ug/kg	
78-59-1	Isophorone	ND	96	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	96	27	ug/kg	
88-74-4	2-Nitroaniline	ND	240	21	ug/kg	
99-09-2	3-Nitroaniline	ND	240	19	ug/kg	
100-01-6	4-Nitroaniline	ND	240	19	ug/kg	
91-20-3	Naphthalene	ND	48	13	ug/kg	
98-95-3	Nitrobenzene	ND	96	14	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	96	42	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	96	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	29	ug/kg	
85-01-8	Phenanthrene	ND	48	22	ug/kg	
129-00-0	Pyrene	19.6	48	18	ug/kg	J
110-86-1	Pyridine	ND	96	19	ug/kg	
91-22-5	Quinoline	ND	240	45	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	96	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID:	BBNP-CW20-C-FD		
Lab Sample ID:	JA58750-18	Date Sampled:	10/13/10
Matrix:	SO - Soil	Date Received:	10/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	59.4
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		30-109%
4165-62-2	Phenol-d5	53%		28-108%
118-79-6	2,4,6-Tribromophenol	59%		28-125%
4165-60-0	Nitrobenzene-d5	65%		28-113%
321-60-8	2-Fluorobiphenyl	61%		38-107%
1718-51-0	Terphenyl-d14	79%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8141B SW846 3550B

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	ZZ11440.D	1	10/20/10	AFL	10/19/10	F:OP34745	F:GZZ438
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	10.0 ml
Run #2		

OP Pesticide List

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	110	28	ug/kg	
333-41-5	Diazinon	ND	110	28	ug/kg	
62-73-7	Dichlorvos	ND	110	28	ug/kg	
60-51-5	Dimethoate	ND	110	28	ug/kg	
298-04-4	Disulfoton	ND	110	57	ug/kg	
56-38-2	Ethyl Parathion	ND	110	28	ug/kg	
121-75-5	Malathion	ND	110	28	ug/kg	
298-00-0	Methyl Parathion	ND	110	28	ug/kg	
298-02-2	Phorate	ND	110	28	ug/kg	
299-84-3	Ronnel	ND	110	28	ug/kg	
3689-24-5	Sulfotep	ND	110	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
115-86-6	Triphenyl phosphate	115%		48-133%

(a) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8151 SW846 3550B

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW95253.D	1	10/20/10	TDR	10/15/10	OP46195	GW3332
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	24	7.6	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	4.8	0.92	ug/kg	
93-76-5	2,4,5-T	ND	4.8	1.9	ug/kg	
75-99-0	Dalapon	ND	4.8	3.3	ug/kg	
88-85-7	Dinoseb	ND	24	6.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	96%		13-146%
19719-28-9	2,4-DCAA	48%		13-146%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8315 SW846 8315

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	VU28473.D	1	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1288
Run #2 ^a	VU28516.D	5	10/22/10	AMA	10/18/10	M:OP22983	M:GVU1289

	Initial Weight	Final Volume
Run #1	25.0 g	1.0 ml
Run #2	25.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
50-00-0	Formaldehyde	12000 ^b	6700	960	ug/kg	
75-07-0	Acetaldehyde	127	1300	79	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
123-72-8	Butyraldehyde	102%	100%	18-186%
123-72-8	Butyraldehyde	102%	106%	18-186%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	BBNP-CW20-C-FD			Date Sampled:	10/13/10
Lab Sample ID:	JA58750-18			Date Received:	10/13/10
Matrix:	SO - Soil			Percent Solids:	59.4
Method:	SW846 8081A SW846 3545				
Project:	Bell Bend Nuclear Power Plant, Salem Township, PA				

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G58398.D	1	11/02/10	OPM	10/26/10	OP46352	G1G2128
Run #2							

Run #	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.9	0.87	ug/kg	
319-84-6	alpha-BHC	ND	1.9	0.60	ug/kg	
319-85-7	beta-BHC	ND	1.9	0.94	ug/kg	
319-86-8	delta-BHC	ND	1.9	0.53	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	0.60	ug/kg	
12789-03-6	Chlordane	ND	49	14	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.9	0.65	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.9	0.76	ug/kg	
60-57-1	Dieldrin	ND	1.9	0.65	ug/kg	
72-54-8	4,4'-DDD	ND	1.9	0.83	ug/kg	
72-55-9	4,4'-DDE	ND	1.9	0.67	ug/kg	
50-29-3	4,4'-DDT	ND	1.9	0.82	ug/kg	
72-20-8	Endrin	ND	1.9	0.67	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.9	0.74	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	0.66	ug/kg	
33213-65-9	Endosulfan-II	ND	1.9	0.74	ug/kg	
76-44-8	Heptachlor	ND	1.9	0.88	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	0.75	ug/kg	
72-43-5	Methoxychlor	ND	1.9	0.87	ug/kg	
8001-35-2	Toxaphene	ND	24	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		23-137%
877-09-8	Tetrachloro-m-xylene	79%		23-137%
2051-24-3	Decachlorobiphenyl	96%		22-160%
2051-24-3	Decachlorobiphenyl	98%		22-160%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 1 of 1

3.18

3

Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Method: SW846 8082 SW846 3545

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G50386.D	1	10/28/10	TDR	10/26/10	OP46353	G3G1852
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	49	17	ug/kg	
11104-28-2	Aroclor 1221	ND	49	32	ug/kg	
11141-16-5	Aroclor 1232	ND	49	16	ug/kg	
53469-21-9	Aroclor 1242	ND	49	17	ug/kg	
12672-29-6	Aroclor 1248	ND	49	9.7	ug/kg	
11097-69-1	Aroclor 1254	ND	49	12	ug/kg	
11096-82-5	Aroclor 1260	ND	49	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		22-141%
877-09-8	Tetrachloro-m-xylene	77%		22-141%
2051-24-3	Decachlorobiphenyl	93%		18-163%
2051-24-3	Decachlorobiphenyl	102%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BBNP-CW20-C-FD

Lab Sample ID: JA58750-18

Date Sampled: 10/13/10

Matrix: SO - Soil

Date Received: 10/13/10

Percent Solids: 59.4

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 3.5	3.5	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Arsenic	4.4	3.5	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Barium	49.7	35	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Beryllium	0.61	0.35	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Boron	< 17	17	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cadmium	< 0.87	0.87	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Chromium	11.2	1.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Cobalt	9.3	8.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Copper	19.2	4.4	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Lead	13.5	3.5	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Manganese	532	2.6	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Mercury	< 0.050	0.050	mg/kg	1	11/03/10	11/05/10	JF	SW846 7471A ²
Nickel	17.6	7.0	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Selenium	< 3.5	3.5	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Silver	< 0.87	0.87	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Thallium	< 1.7	1.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Tin	< 8.7	8.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Vanadium	9.5	8.7	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹
Zinc	52.6	3.5	mg/kg	1	11/01/10	11/02/10	GT	SW846 6010B ¹

(1) Instrument QC Batch: MA25275

(2) Instrument QC Batch: MA25293

(3) Prep QC Batch: MP55422

(4) Prep QC Batch: MP55478

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.18

3

Client Sample ID: BBNP-CW20-C-FD**Lab Sample ID:** JA58750-18**Date Sampled:** 10/13/10**Matrix:** SO - Soil**Date Received:** 10/13/10**Percent Solids:** 59.4**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 33	33	mg/kg	1	10/28/10 21:46	MS	EPA 300/SW846 9056
Chromium, Hexavalent	< 0.67	0.67	mg/kg	1	10/28/10 14:54	BD	SW846 3060A/7196A
Chromium, Trivalent ^a	11.2	2.4	mg/kg	1	11/02/10 00:23	GT	SW846 6010/7196A M
Cyanide	< 0.36	0.36	mg/kg	1	10/20/10 16:29	VA	SW846 9012 M/LACHAT
Nitrogen, Nitrate + Nitrite	< 32	32	mg/kg	1	10/26/10 11:05	NP	EPA 353.2 M/LACHAT
Redox Potential Vs H2	328		mv	1	10/25/10	RI	ASTM D1498-76M
Solids, Percent	59.4		%	1	11/01/10	DK	SM18 2540G
Sulfate	< 170	170	mg/kg	1	10/28/10 21:46	MS	EPA 300/SW846 9056
Total Organic Carbon	31300	1700	mg/kg	1	10/28/10 14:00	SJG	CORP ENG 81M/SW9060M
pH	7.24		su	1	10/25/10	RI	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ENSR

CHAIN OF CUSTODY RECORD

JA58750+X Page 1 of 2

Client/Project Name: UNE BBN PP			Project Location: Susquehanna River			Analysis Requested			Container Type P - Plastic A - Amber Glass G - Clear Glass V - VOA Vial O - Other E - Encore		Preservation 1 - HCl, 4" 2 - H2SO4, 4" 3 - HNO3, 4" 4 - NaOH, 4" 5 - NaOH/H2Ac, 4" 6 - Na2S2O3, 4" 7 - 4"							
Project Number: 60160208			Field Logbook No.: BBNPP-SP-1															
Sampler (Print Name)/(Affiliation): Mike Hauser / AECOM			Chain of Custody Tape Nos.:															
Signature: 			Send Results/Report to: DION LEWIS			TAT: Normal												
Field Sample No./Identification	Date	Time	COMP	GRAB	Sample Container (Size/Mat'l)	Matrix	Preserv.	Field Filtered	VOC	Ethylene Glycol	TCDD Dioxin	Formaldehyde	Organophos. Pest.	Combined Chemistry	Archive VOC	Archive	Lab I.D.	Remarks
BBNP-CW1-C	10/12/10	10:26	X		A/5 6/2	SD	no filter	N	X	X	X	X	X	X	X	X	-1	UTC43,
BBNP-CW2-C	10/12/10	10:10	X			SD			X	X	X	X	X	X	X	X	-2	1484,
BBNP-CW3-C	10/12/10	12:02	X			SD			X	X	X	X	X	X	X	X	-3	4059,
BBNP-CW6-C	10/12/10	12:40	X			SD			X	X	X	X	X	X	X	X	-4	19M3,
BBNP-CW9-C	10/12/10	14:23	X			SD			X	X	X	X	X	X	X	X	-5	19M4,
BBNP-CW9-C-FD	10/12/10	14:23	X			SD			X	X	X	X	X	X	X	X	-6	503,
BBNP-CW12-C	10/12/10	14:51	X			SD			X	X	X	X	X	X	X	X	-7	WLC39
BBNP-CW15-C	10/12/10	15:44	X			SD			X	X	X	X	X	X	X	X	-8	
BBNP-CW18-C	10/12/10	16:11	X			SD			X	X	X	X	X	X	X	X	-9	
BBNP-CW21-C	10/12/10	16:29	X			SD			X	X	X	X	X	X	X	X	-10	
T101310					V/3	AQ			X									
D.I. slurry voc vials frozen storage																		
Date: 10/13/10 Time: 03:27 Initials: KW Field Kits Received																		
Relinquished by: (Print Name)/(Affiliation) Mike Hauser / AECOM			Date: 10/13/10			Received by: (Print Name)/(Affiliation) Anil Patel			Date: 10/13/10			Analytical Laboratory (Destination): SEACS Intact						
Signature:			Time: 14:54			Signature:			Time: 10/13/10			Time: 3:10 P.M.			6 coolers			
Relinquished by: (Print Name)/(Affiliation) AP Patel			Date: 10/13/10			Received by: (Print Name)/(Affiliation) A			Date: 10/13/10			Time: 3:10 P.M.			5.2, 3.7, 5.8, 4.6, 4.1, 2.9			
Signature:			Time: 1900			Signature:			Date: 10/13/10			Time: 3:10 P.M.						
Relinquished by: (Print Name)/(Affiliation) AP Patel			Date: 10-13-10			Received by: (Print Name)/(Affiliation) Priority			Date: 10/13/10			Time: 3:10 P.M.			Sample Shipped Via:			
Signature:			Time: 19:00			Signature:			Date: 10/13/10			Time: 3:10 P.M.			UPS FedEx Courier Other			
															Temp blank			
															Yes No			

C:\GRAPHICS\FORMS\Chain of Custody\COCDNA - C-000001 - AECOM\26_3MCP.doc

White: Original (to Lab)

Yellow: Lab

Pink: Sampler

Serial No. 01924

JA58750: Chain of Custody

Page 1 of 11

ENSR CHAIN OF CUSTODY RECORD

Client/Project Name: UNE BBNPP Project Location: Susquehanna River

Project Number: 60160208 Field Logbook No.: BBNPP-SP-1

Sampler (Print Name)/(Affiliation): Mike Hauser/AECOM Chain of Custody Tape Nos.:

Signature: [Signature] Send Results/Report to: DION LEWIS TAT: NORMAL

Analysis Requested: VOCs, Ethylene Glycol, TCDD Dioxin, Formaldehyde, Organic Phos. Pest., Combined Chemistry, Archive Vols, Archive

Container Type: P - Plastic, A - Amber Glass, G - Clear Glass, V - VOA Vial, O - Other, E - Encore

Preservation: 1 - HCl, 4", 2 - H2SO4, 4", 3 - HNO3, 4", 4 - NaOH, 4", 5 - NaOH/ZnAc, 4", 6 - Na2S2O3, 4", 7 - 4"

Matrix Codes: DW - Drinking Water, WW - Wastewater, GW - Groundwater, SW - Surface Water, ST - Storm Water, W - Water, S - Soil, SL - Sludge, SD - Sediment, SO - Solid, A - Air, L - Liquid, P - Product

Field Sample No./Identification	Date	Time	C O M P	G R A B	Sample Container (Size/Mat'l)	Matrix	Preserv.	Field Filtered	VOCs	Ethylene Glycol	TCDD Dioxin	Formaldehyde	Organic Phos. Pest.	Combined Chemistry	Archive Vols	Archive	Lab I.D.	Remarks
BBNP-CW5-C	10/13/10	08:25	X		ALS, G1/3	SD	med/10	N	X	X	X	X	X	X	X	X		
BBNP-CW5-C-MS	10/13/10	08:25	X			SD			X	X	X	X	X	X	X	X	11	
BBNP-CW5-C-MSD	10/13/10	08:25	X			SD			X	X	X	X	X	X	X	X		
BBNP-CW8-C	10/13/10	08:55	X			SD			X	X	X	X	X	X	X	X	12	
BBNP-CW11-C	10/13/10	09:25	X			SD			X	X	X	X	X	X	X	X	13	
BBNP-CW14-C	10/13/10	09:41	X			SD			X	X	X	X	X	X	X	X	14	
BBNP-CW17-C	10/13/10	10:25	X			SD			X	X	X	X	X	X	X	X	15	
BBNP-CW20-C	10/13/10	11:15	X			SD			X	X	X	X	X	X	X	X	16	
BBNP-CW23-C	10/13/10	11:58	X			SD			X	X	X	X	X	X	X	X	17	
BBNP-CW20-C-FD	10/13/10	11:15	X			SD			X	X	X	X	X	X	X	X	18	

Relinquished by: (Print Name)/(Affiliation) Mike Hauser/AECOM Date: 10/13/10 Time: 19:50

Signature: [Signature] Received by: (Print Name)/(Affiliation) Anil Patel Date: 10/13/10 Time: 3:10 P.M.

Relinquished by: (Print Name)/(Affiliation) [Signature] Date: 10-15-10 Time: 19:00

Signature: [Signature] Received by: (Print Name)/(Affiliation) [Signature] Date: [] Time: []

Relinquished by: (Print Name)/(Affiliation) [Signature] Date: [] Time: []

Signature: [Signature] Received by: (Print Name)/(Affiliation) [Signature] Date: [] Time: []

Sample Shipped Via: UPS FedEx Courier Other Temp blank Yes No

JA58750
COC

SAMPLE #	MEOH VIAL	D.I. VIAL	D.I. VIAL
JA58750-1	108	305	306
-2	110	363	364
-3	111	361	362
-4	84	367	368
-5	106	301	302
-6	98	365	366
-7	99	371	372
-8	100	307	308
-9	105	303	337
-10	91	309	310
-11	82, 104, 107	311, 312, 313	314, 321, 322
-12	109	369	370
-13	83	323	329
-14	97	328	329
-15	86	330	340
-16	102	331	332
-17	81	315	316
-18	103	317	318
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JA58750: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA58750 Client: ENSR-NY? Immediate Client Services Action Required: Yes
Date / Time Received: 10/13/2010 1900 Delivery Method: Other Courier Client Service Action Required at Login: No
Project: UNE BBNPP No. Coolers: 6 Airbill #'s:

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐ 3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐ 4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: Infrared gun
3. Cooler media: Ice (bag)

Quality Control Preservation

Y N N/A

1. Trip Blank present / cooler: ☐ ☐ ☒
2. Trip Blank listed on COC: ☐ ☐ ☒
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☒

Comments

1. TB "T101310" NOT REC'D
2. "COMBINED CHEMISTRY" MEANS WHAT?
COPIES NOT CIRC'D EXCEPT SUB

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☐ ☒
3. Condition of sample: Intact

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear: ☐ ☒
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA58750: Chain of Custody

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Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA58750

CSR: Tammy McCloskey

Response Date 10/14/2010

Response: 1. Client is still in field and may have this trip blank still. If so they will submit.
2. "Combined Chemistry" is: AB8270AP9SL, H8151STD, P8081PESTCL, P8082PCB, XXCRA, CHL, CN, NO32, SO4, CR3, TOC, SB, AS, BA, BE, B, CD, CO, CU, PB, MN, HG, NI, SE, AG, TI, SN, V, ZN

All above per Dion Lewis.

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Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA58750: Chain of Custody
Page 5 of 11

Job Change Order: JA58750_11/4/2010

Requested Date:	11/4/2010	Received Date:	10/13/2010
Account Name:	AECOM, INC.	Due Date:	11/3/2010
Project Description:	Bell Bend Nuclear Power Plant, Salem Township,	Deliverable:	FULT1
CSR:	TM	TAT (Days):	14

Sample #:
JA58750-1 through 18, 11S, 11D

Change: relog for XXCRAR

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Below Changes

Dion Lewis/Andrea Mischel

Date: 11/4/2010

JA58750: Chain of Custody

Page 6 of 11

Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Job Change Order:JA58750^{xf} 11/8/2010**Requested Date:** 11/8/2010**Received Date:** 10/13/2010**Account Name:** AECOM, INC.**Due Date:** 11/3/2010**Project Description:** Bell Bend Nuclear Power Plant, Salem Township,**Deliverable:** FULT1**CSR:** TM**TAT (Days):** 21**Sample #:**
JA58750-all "R"**Change:** please move all "R" samples for XXCRAR to an "R" job**Above Changes**

Dion Lewis

Date: 11/8/2010**JA58750: Chain of Custody**
Page 7 of 11

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Job Change Order: JA58750R_11/18/2010

Requested Date:	11/18/2010	Received Date:	10/13/2010
Account Name:	AECOM, INC.	Due Date:	11/18/2010
Project Description:	Bell Bend Nuclear Power Plant, Salem Township,	Deliverable:	FULT1
CSR:	TM	TAT (Days):	14

Sample #:
JA58750R-11R

Change: please relog on a separate job for FE2/7, SULFS, TOC

BBNP-CW5-C

Above Changes

Andrea
Andrea Mischel

Date: 11/18/2010

JA58750: Chain of Custody
Page 8 of 11

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Job Change Order: JA58750_12/20/2010

Requested	12/20/2010	Received Date:	10/13/2010
Account Name:	AECOM, INC.	Due Date:	12/20/2010
Project	Bell Bend Nuclear Power Plant, Salem Township,	Deliverable:	FULT1
CSR:	MJ	TAT (Days):	14
Sample #:	JA58750-All	Change:	Relog/retrieve for ABR8270SL, VR8260SL, PR8081CHL, and H8151DALAPON, make DD 12/21

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JA58750: Chain of Custody

Above Changes Per: Tammy

Date: 12/20/2010

Page 9 of 11

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Job Change Order: JA58750_12/16/2010

Requested Date:	12/16/2010	Received Date:	10/13/2010
Account Name:	AECOM, INC.	Due Date:	11/3/2010
Project Description:	Bell Bend Nuclear Power Plant, Salem Township,	Deliverable:	FULT1
CSR:	TM	TAT (Days):	2

Sample #: JA58750-all
Change: relog/retrieve on original job for TL

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Above Changes

Andrea Mischel

Date: 12/16/2010

JA58750: Chain of Custody

Page 10 of 11

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Job Change Order: JA58750_12/20/2010

Requested	12/20/2010	Received Date:	10/13/2010
Account Name:	AECOM, INC.	Due Date:	12/20/2010
Project	Bell Bend Nuclear Power Plant, Salem Township,	Deliverable:	FULT1
CSR:	MJ	TAT (Days):	14

Sample #:
JA58750-All

Change: Relog/retrieve for ABR8270SL, VR8260SL,
PR8081CHL, and H8151DALAPON, make DD 12/21

JA58750: Chain of Custody

Above Changes Per: Tammy

Date: 12/20/2010

Page 11 of 11

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-1 Collected: 12-OCT-10 10:26 By: MH Received: 13-OCT-10 By: MPC BBNP-CW1-C						
JA58750-1	SW846 8151	19-OCT-10 12:53	TDR	15-OCT-10	GGP	H8151STD
JA58750-1	SW846 8141B	20-OCT-10 10:22	AFL	19-OCT-10	AFL	P8141SL
JA58750-1	SW846 8315	21-OCT-10 18:13	AMA	18-OCT-10		LC+ ACHD
JA58750-1	SW846 8315	22-OCT-10 10:30	AMA	18-OCT-10		LC8315FORM
JA58750-1	SW846 8260B	23-OCT-10 21:22	JTP			V8260AP9SL
JA58750-1	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-1	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-1	SW846 9012 M/LACHAT	25-OCT-10 13:04	NP	22-OCT-10	BC	CN
JA58750-1	DAI BY GC/MS 8260SIM	26-OCT-10 20:00	KLS			D8260SIMEGLY
JA58750-1	EPA 353.2 M/LACHAT	26-OCT-10 10:49	NP	20-OCT-10	ST	NO32
JA58750-1	SW846 8082	26-OCT-10 21:56	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-1	CORP ENG 81M/SW9000	27-OCT-10 12:57	SJG	27-OCT-10	SJG	TOC
JA58750-1	EPA 300/SW846 9056	28-OCT-10 13:24	MS	27-OCT-10	MS	CHL,SO4
JA58750-1	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-1	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-1	SW846 6010B	01-NOV-10 22:31	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-1	SW846 6010/7196A M	01-NOV-10 22:31	GT			CR3
JA58750-1	SW846 8081A	01-NOV-10 23:02	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-1	SW846 8270C	02-NOV-10 11:12	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-1	SW846 7471A	05-NOV-10 10:32	JF	03-NOV-10	JW	HG
JA58750-2 Collected: 12-OCT-10 10:10 By: MH Received: 13-OCT-10 By: MPC BBNP-CW2-C						
JA58750-2	SW846 8141B	20-OCT-10 10:57	AFL	19-OCT-10	AFL	P8141SL
JA58750-2	SW846 8315	21-OCT-10 18:34	AMA	18-OCT-10		LC+ ACHD
JA58750-2	SW846 8151	21-OCT-10 20:33	TDR	15-OCT-10	GGP	H8151STD
JA58750-2	SW846 8315	22-OCT-10 10:51	AMA	18-OCT-10		LC8315FORM
JA58750-2	SW846 8260B	23-OCT-10 21:52	JTP			V8260AP9SL
JA58750-2	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-2	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-2	SW846 9012 M/LACHAT	25-OCT-10 13:05	NP	22-OCT-10	BC	CN
JA58750-2	DAI BY GC/MS 8260SIM	26-OCT-10 20:15	KLS			D8260SIMEGLY
JA58750-2	EPA 353.2 M/LACHAT	26-OCT-10 10:51	NP	20-OCT-10	ST	NO32
JA58750-2	EPA 300/SW846 9056	28-OCT-10 13:48	MS	27-OCT-10	MS	CHL,SO4
JA58750-2	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-2	CORP ENG 81M/SW9050B	28-OCT-10 15:07	SJG	28-OCT-10	SJG	TOC
JA58750-2	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-2	SW846 6010B	01-NOV-10 22:37	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-2	SW846 6010/7196A M	01-NOV-10 22:37	GT			CR3
JA58750-2	SW846 8081A	01-NOV-10 23:18	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-2	SW846 8270C	02-NOV-10 11:38	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-2	SW846 8082	03-NOV-10 18:31	AZ	03-NOV-10	AML	P8082PCBAO
JA58750-2	SW846 7471A	05-NOV-10 10:16	JF	03-NOV-10	JW	HG
JA58750-3 Collected: 12-OCT-10 12:02 By: MH Received: 13-OCT-10 By: MPC BBNP-CW3-C						
JA58750-3	SW846 8141B	20-OCT-10 11:26	AFL	19-OCT-10	AFL	P8141SL
JA58750-3	SW846 8315	21-OCT-10 18:55	AMA	18-OCT-10		LC+ ACHD
JA58750-3	SW846 8151	21-OCT-10 20:55	TDR	15-OCT-10	GGP	H8151STD
JA58750-3	SW846 8315	22-OCT-10 11:12	AMA	18-OCT-10		LC8315FORM
JA58750-3	SW846 8260B	23-OCT-10 22:21	JTP			V8260AP9SL
JA58750-3	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-3	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-3	SW846 9012 M/LACHAT	25-OCT-10 13:06	NP	22-OCT-10	BC	CN
JA58750-3	DAI BY GC/MS 8260SDM	24-OCT-10 20:31	KLS			D8260SIMEGLY
JA58750-3	EPA 353.2 M/LACHAT	26-OCT-10 10:52	NP	20-OCT-10	ST	NO32
JA58750-3	SW846 8082	26-OCT-10 22:26	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-3	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-3	EPA 300/SW846 9056	28-OCT-10 14:12	MS	27-OCT-10	MS	CHL,SO4
JA58750-3	CORP ENG 81M/SW9050B	28-OCT-10 15:18	SJG	28-OCT-10	SJG	TOC
JA58750-3	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-3	SW846 6010B	01-NOV-10 22:43	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-3	SW846 6010/7196A M	01-NOV-10 22:43	GT			CR3
JA58750-3	SW846 8081A	01-NOV-10 23:33	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-3	SW846 8270C	02-NOV-10 12:03	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-3	SW846 7471A	05-NOV-10 10:18	JF	03-NOV-10	JW	HG
JA58750-4 Collected: 12-OCT-10 12:40 By: MH Received: 13-OCT-10 By: MPC BBNP-CW6-C						
JA58750-4	SW846 8141B	20-OCT-10 11:55	AFL	19-OCT-10	AFL	P8141SL
JA58750-4	SW846 8315	21-OCT-10 19:16	AMA	18-OCT-10		LC+ ACHD

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-4	SW846 8151	21-OCT-10 21:29	TDR	15-OCT-10	GGP	H8151STD
JA58750-4	SW846 8315	22-OCT-10 11:32	AMA	18-OCT-10		LC8315FORM
JA58750-4	SW846 8260B	23-OCT-10 22:50	JTP			V8260AP9SL
JA58750-4	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-4	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-4	SW846 9012 M/LACHAT	25-OCT-10 13:10	NP	22-OCT-10	BC	CN
JA58750-4	DAI BY GC/MS 8260S	25-OCT-10 21:11	KLS			D8260SIMEGLY
JA58750-4	EPA 353.2 M/LACHAT	26-OCT-10 10:53	NP	20-OCT-10	ST	NO32
JA58750-4	SW846 8082	26-OCT-10 22:41	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-4	CORP ENG 81M/SW9000	26-OCT-10 13:31	SJG	27-OCT-10	SJG	TOC
JA58750-4	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-4	EPA 300/SW846 9056	28-OCT-10 14:36	MS	27-OCT-10	MS	CHL,SO4
JA58750-4	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-4	SW846 6010B	01-NOV-10 22:49	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-4	SW846 6010/7196A M	01-NOV-10 22:49	GT			CR3
JA58750-4	SW846 8081A	02-NOV-10 00:18	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-4	SW846 8270C	02-NOV-10 12:29	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-4	SW846 7471A	05-NOV-10 10:19	JF	03-NOV-10	JW	HG
JA58750-5 Collected: 12-OCT-10 14:23 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW9-C						
JA58750-5	SW846 8151	19-OCT-10 13:37	TDR	15-OCT-10	GGP	H8151STD
JA58750-5	SW846 8141B	20-OCT-10 12:25	AFL	19-OCT-10	AFL	P8141SL
JA58750-5	SW846 8315	21-OCT-10 19:37	AMA	18-OCT-10		LC+ ACHD
JA58750-5	SW846 8315	22-OCT-10 11:53	AMA	18-OCT-10		LC8315FORM
JA58750-5	SW846 8260B	23-OCT-10 23:20	JTP			V8260AP9SL
JA58750-5	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-5	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-5	SW846 9012 M/LACHAT	25-OCT-10 13:11	NP	22-OCT-10	BC	CN
JA58750-5	DAI BY GC/MS 8260S	25-OCT-10 21:19	KLS			D8260SIMEGLY
JA58750-5	EPA 353.2 M/LACHAT	26-OCT-10 10:54	NP	20-OCT-10	ST	NO32
JA58750-5	SW846 8082	26-OCT-10 19:10	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-5	CORP ENG 81M/SW9000	26-OCT-10 13:43	SJG	27-OCT-10	SJG	TOC
JA58750-5	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-5	EPA 300/SW846 9056	28-OCT-10 15:00	MS	27-OCT-10	MS	CHL,SO4
JA58750-5	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-5	SW846 6010B	01-NOV-10 22:55	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-5	SW846 6010/7196A M	01-NOV-10 22:55	GT			CR3
JA58750-5	SW846 8081A	02-NOV-10 00:33	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-5	SW846 8270C	02-NOV-10 12:55	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-5	SW846 7471A	05-NOV-10 10:20	JF	03-NOV-10	JW	HG
JA58750-6 Collected: 12-OCT-10 14:23 By: MH Received: 13-OCT-10 By: MPC BBNP-CW9-FD						
JA58750-6	SW846 8141B	20-OCT-10 12:54	AFL	19-OCT-10	AFL	P8141SL
JA58750-6	SW846 8315	21-OCT-10 19:58	AMA	18-OCT-10		LC+ ACHD
JA58750-6	SW846 8151	22-OCT-10 00:41	TDR	15-OCT-10	GGP	H8151STD
JA58750-6	SW846 8315	22-OCT-10 12:14	AMA	18-OCT-10		LC8315FORM
JA58750-6	SW846 8260B	23-OCT-10 23:48	JTP			V8260AP9SL
JA58750-6	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-6	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-6	SW846 9012 M/LACHAT	25-OCT-10 13:12	NP	22-OCT-10	BC	CN
JA58750-6	DAI BY GC/MS 8260SDM	25-OCT-10 21:34	KLS			D8260SIMEGLY
JA58750-6	EPA 353.2 M/LACHAT	26-OCT-10 10:54	NP	20-OCT-10	ST	NO32
JA58750-6	SW846 8082	26-OCT-10 23:57	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-6	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-6	CORP ENG 81M/SW9050	28-OCT-10 15:29	SJG	28-OCT-10	SJG	TOC
JA58750-6	EPA 300/SW846 9056	28-OCT-10 16:11	MS	27-OCT-10	MS	CHL,SO4
JA58750-6	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-6	SW846 6010B	01-NOV-10 23:02	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-6	SW846 6010/7196A M	01-NOV-10 23:02	GT			CR3
JA58750-6	SW846 8081A	02-NOV-10 00:48	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-6	SW846 8270C	02-NOV-10 13:20	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-6	SW846 7471A	05-NOV-10 10:24	JF	03-NOV-10	JW	HG
JA58750-7 Collected: 12-OCT-10 14:51 By: MH Received: 13-OCT-10 By: MPC BBNP-CW12-C						
JA58750-7	SW846 8151	19-OCT-10 13:54	TDR	15-OCT-10	GGP	H8151STD
JA58750-7	SW846 8141B	20-OCT-10 13:23	AFL	19-OCT-10	AFL	P8141SL
JA58750-7	SW846 8315	21-OCT-10 20:40	AMA	18-OCT-10		LC+ ACHD
JA58750-7	SW846 8315	22-OCT-10 12:56	AMA	18-OCT-10		LC8315FORM
JA58750-7	SW846 8260B	24-OCT-10 00:18	JTP			V8260AP9SL
JA58750-7	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-7	SW846 9045C,D	25-OCT-10	RI			PH

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-7	SW846 9012 M/LACHAT	25-OCT-10 13:13	NP	22-OCT-10	BC	CN
JA58750-7	DAI BY GC/MS 8260SIM	24-OCT-10 21:50	KLS			D8260SIMEGLY
JA58750-7	EPA 353.2 M/LACHAT	26-OCT-10 10:55	NP	20-OCT-10	ST	NO32
JA58750-7	SW846 8082	27-OCT-10 14:43	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-7	CORP ENG 81M/SW9050	27-OCT-10 14:46	SJG	27-OCT-10	SJG	TOC
JA58750-7	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-7	EPA 300/SW846 9056	28-OCT-10 16:35	MS	27-OCT-10	MS	CHL,SO4
JA58750-7	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-7	SW846 6010B	01-NOV-10 23:08	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-7	SW846 6010/7196A M	01-NOV-10 23:08	GT			CR3
JA58750-7	SW846 8081A	02-NOV-10 04:20	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-7	SW846 8270C	02-NOV-10 21:07	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-7	SW846 7471A	05-NOV-10 10:26	JF	03-NOV-10	JW	HG
JA58750-8 Collected: 12-OCT-10 15:49 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW15-C						
JA58750-8	SW846 8151	19-OCT-10 14:26	TDR	15-OCT-10	GGP	H8151STD
JA58750-8	SW846 8141B	20-OCT-10 13:53	AFL	19-OCT-10	AFL	P8141SL
JA58750-8	SW846 8315	21-OCT-10 21:01	AMA	18-OCT-10		LC+ ACHD,LC8315FORM
JA58750-8	SW846 8260B	24-OCT-10 00:47	JTP			V8260AP9SL
JA58750-8	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-8	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-8	SW846 9012 M/LACHAT	25-OCT-10 13:15	NP	22-OCT-10	BC	CN
JA58750-8	DAI BY GC/MS 8260SIM	24-OCT-10 22:05	KLS			D8260SIMEGLY
JA58750-8	EPA 353.2 M/LACHAT	26-OCT-10 10:56	NP	20-OCT-10	ST	NO32
JA58750-8	SW846 8082	27-OCT-10 00:12	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-8	CORP ENG 81M/SW9050	27-OCT-10 14:57	SJG	27-OCT-10	SJG	TOC
JA58750-8	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-8	EPA 300/SW846 9056	28-OCT-10 17:23	MS	27-OCT-10	MS	CHL,SO4
JA58750-8	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-8	SW846 6010B	01-NOV-10 23:14	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-8	SW846 6010/7196A M	01-NOV-10 23:14	GT			CR3
JA58750-8	SW846 8081A	02-NOV-10 01:03	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-8	SW846 8270C	02-NOV-10 13:46	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-8	SW846 7471A	05-NOV-10 10:27	JF	03-NOV-10	JW	HG

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-9 Collected: 12-OCT-10 16:11 By: MH Received: 13-OCT-10 By: MPC BBNP-CW18-C						
JA58750-9	SW846 8151	20-OCT-10 13:16	TDR	15-OCT-10	GGP	H8151STD
JA58750-9	SW846 8141B	20-OCT-10 15:21	AFL	19-OCT-10	AFL	P8141SL
JA58750-9	SW846 8315	21-OCT-10 21:22	AMA	18-OCT-10		LC+ ACHD
JA58750-9	SW846 8315	22-OCT-10 13:38	AMA	18-OCT-10		LC8315FORM
JA58750-9	SW846 8260B	24-OCT-10 01:16	JTP			V8260AP9SL
JA58750-9	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-9	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-9	SW846 9012 M/LACHAT	25-OCT-10 13:16	NP	22-OCT-10	BC	CN
JA58750-9	EPA 353.2 M/LACHAT	26-OCT-10 10:57	NP	20-OCT-10	ST	NO32
JA58750-9	DAI BY GC/MS 8260SDM	26-OCT-10 12:18	KLS			D8260SIMEGLY
JA58750-9	SW846 8082	27-OCT-10 00:27	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-9	CORP ENG 81M/SW9028M	28-OCT-10 11:07	SJG	28-OCT-10	SJG	TOC
JA58750-9	SW846 3060A/7196A	28-OCT-10 14:02	BD	27-OCT-10	RI	XCRA
JA58750-9	EPA 300/SW846 9056	28-OCT-10 17:47	MS	27-OCT-10	MS	CHL,SO4
JA58750-9	SM18 2540G	01-NOV-10	DK			SOL104
JA58750-9	SW846 6010B	01-NOV-10 23:33	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-9	SW846 6010/7196A M	01-NOV-10 23:33	GT			CR3
JA58750-9	SW846 8081A	02-NOV-10 01:18	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-9	SW846 8270C	02-NOV-10 14:12	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-9	SW846 7471A	05-NOV-10 10:29	JF	03-NOV-10	JW	HG
JA58750-10 Collected: 12-OCT-10 16:29 By: MH Received: 13-OCT-10 By: MPC BBNP-CW21-C						
JA58750-10	SW846 8151	19-OCT-10 14:56	TDR	15-OCT-10	GGP	H8151STD
JA58750-10	SW846 8141B	20-OCT-10 15:50	AFL	19-OCT-10	AFL	P8141SL
JA58750-10	SW846 8315	21-OCT-10 21:43	AMA	18-OCT-10		LC+ ACHD
JA58750-10	SW846 8315	22-OCT-10 13:59	AMA	18-OCT-10		LC8315FORM
JA58750-10	ASTM D1498-76M	25-OCT-10	RI			EH
JA58750-10	SW846 9045C,D	25-OCT-10	RI			PH
JA58750-10	SW846 9012 M/LACHAT	25-OCT-10 13:17	NP	22-OCT-10	BC	CN
JA58750-10	SW846 8260B	25-OCT-10 18:19	JTP			V8260AP9SL
JA58750-10	DAI BY GC/MS 8260SDM	26-OCT-10 10:13	KLS			D8260SIMEGLY
JA58750-10	EPA 353.2 M/LACHAT	26-OCT-10 10:58	NP	20-OCT-10	ST	NO32
JA58750-10	SW846 8082	27-OCT-10 00:42	TDR	26-OCT-10	AML	P8082PCBAO

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-10 CORP ENG 81M/SW9056		28-OCT-10 11:21	SJG	28-OCT-10	SJG	TOC
JA58750-10 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-10 EPA 300/SW846 9056		28-OCT-10 18:11	MS	27-OCT-10	MS	CHL,SO4
JA58750-10 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-10 SW846 6010B		01-NOV-10 23:39	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-10 SW846 6010/7196A M		01-NOV-10 23:39	GT			CR3
JA58750-10 SW846 8081A		02-NOV-10 01:34	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-10 SW846 8270C		03-NOV-10 13:50	KP	22-OCT-10	SK	AB8270PPTCL11
JA58750-10 SW846 7471A		05-NOV-10 10:30	JF	03-NOV-10	JW	HG
JA58750-11 Collected: 13-OCT-10 08:25 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW5-C						
JA58750-11 SW846 9012 M/LACHAT		20-OCT-10 16:20	VA	19-OCT-10	BC	CN
JA58750-11 SW846 8141B		20-OCT-10 16:20	AFL	19-OCT-10	AFL	P8141SL
JA58750-11 SW846 8315		21-OCT-10 22:03	AMA	18-OCT-10		LC+ ACHD
JA58750-11 SW846 8151		22-OCT-10 01:00	TDR	15-OCT-10	GGP	H8151STD
JA58750-11 SW846 8315		22-OCT-10 14:20	AMA	18-OCT-10		LC8315FORM
JA58750-11 SW846 8260B		23-OCT-10 18:57	JTP			V8260AP9SL
JA58750-11 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-11 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-11 DAI BY GC/MS 8260SLM		26-OCT-10 19:45	KLS			D8260SIMEGLY
JA58750-11 EPA 353.2 M/LACHAT		26-OCT-10 10:48	NP	20-OCT-10	ST	NO32
JA58750-11 SW846 8082		26-OCT-10 21:41	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-11 CORP ENG 81M/SW9056		28-OCT-10 12:21	SJG	27-OCT-10	SJG	TOC
JA58750-11 SW846 3060A/7196A		28-OCT-10 12:00	BD	27-OCT-10	RI	XCRA
JA58750-11 EPA 300/SW846 9056		28-OCT-10 13:00	MS	27-OCT-10	MS	CHL,SO4
JA58750-11 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-11 SW846 6010B		01-NOV-10 22:19	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-11 SW846 6010/7196A M		01-NOV-10 22:19	GT			CR3
JA58750-11 SW846 8081A		02-NOV-10 01:49	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-11 SW846 8270C		02-NOV-10 15:59	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-11 SW846 7471A		05-NOV-10 10:15	JF	03-NOV-10	JW	HG
JA58750-12 Collected: 13-OCT-10 08:55 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW8-C						
JA58750-12 SW846 9012 M/LACHAT		20-OCT-10 16:21	VA	19-OCT-10	BC	CN

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-12 SW846 8141B		20-OCT-10 17:48	AFL	19-OCT-10	AFL	P8141SL
JA58750-12 SW846 8315		21-OCT-10 22:24	AMA	18-OCT-10		LC+ ACHD
JA58750-12 SW846 8151		22-OCT-10 01:31	TDR	15-OCT-10	GGP	H8151STD
JA58750-12 SW846 8315		22-OCT-10 14:41	AMA	18-OCT-10		LC8315FORM
JA58750-12 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-12 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-12 SW846 8260B		25-OCT-10 18:48	JTP			V8260AP9SL
JA58750-12 DAI BY GC/MS 8260SDM		26-OCT-10 10:32	KLS			D8260SIMEGLY
JA58750-12 EPA 353.2 M/LACHAT		26-OCT-10 10:59	NP	20-OCT-10	ST	NO32
JA58750-12 SW846 8082		27-OCT-10 01:12	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-12 CORP ENG 81M/SW9000		28-OCT-10 11:46	SJG	28-OCT-10	SJG	TOC
JA58750-12 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-12 EPA 300/SW846 9056		28-OCT-10 18:35	MS	27-OCT-10	MS	CHL,SO4
JA58750-12 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-12 SW846 6010B		01-NOV-10 23:45	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-12 SW846 6010/7196A M		01-NOV-10 23:45	GT			CR3
JA58750-12 SW846 8081A		02-NOV-10 02:04	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-12 SW846 8270C		03-NOV-10 14:16	KP	22-OCT-10	SK	AB8270PPTCL11
JA58750-12 SW846 7471A		05-NOV-10 10:33	JF	03-NOV-10	JW	HG
JA58750-13 Collected: 13-OCT-10 09:25 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW11-C						
JA58750-13 SW846 9012 M/LACHAT		20-OCT-10 16:23	VA	19-OCT-10	BC	CN
JA58750-13 SW846 8141B		20-OCT-10 18:18	AFL	19-OCT-10	AFL	P8141SL
JA58750-13 SW846 8315		21-OCT-10 22:45	AMA	18-OCT-10		LC+ ACHD
JA58750-13 SW846 8151		22-OCT-10 06:47	TDR	15-OCT-10	GGP	H8151STD
JA58750-13 SW846 8315		22-OCT-10 15:01	AMA	18-OCT-10		LC8315FORM
JA58750-13 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-13 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-13 SW846 8260B		25-OCT-10 19:17	JTP			V8260AP9SL
JA58750-13 SW846 8260B		26-OCT-10 10:40	JTP			V8260AP9SL
JA58750-13 DAI BY GC/MS 8260SDM		26-OCT-10 10:48	KLS			D8260SIMEGLY
JA58750-13 EPA 353.2 M/LACHAT		26-OCT-10 11:01	NP	20-OCT-10	ST	NO32
JA58750-13 SW846 8082		27-OCT-10 01:27	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-13 CORP ENG 81M/SW9000		28-OCT-10 12:24	SJG	28-OCT-10	SJG	TOC
JA58750-13 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-13 EPA 300/SW846 9056		28-OCT-10 18:59	MS	27-OCT-10	MS	CHL,SO4
JA58750-13 SM18 2540G		01-NOV-10	DK			SOL104

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-13 SW846 6010B		01-NOV-10 23:51	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-13 SW846 6010/7196A M		01-NOV-10 23:51	GT			CR3
JA58750-13 SW846 8081A		02-NOV-10 02:19	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-13 SW846 8270C		02-NOV-10 17:16	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-13 SW846 7471A		05-NOV-10 10:34	JF	03-NOV-10	JW	HG
JA58750-14 Collected: 13-OCT-10 10:01 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW14-C						
JA58750-14 SW846 9012 M/LACHA		20-OCT-10 16:25	VA	19-OCT-10	BC	CN
JA58750-14 SW846 8141B		20-OCT-10 18:47	AFL	19-OCT-10	AFL	P8141SL
JA58750-14 SW846 8315		21-OCT-10 23:06	AMA	18-OCT-10		LC+ ACHD
JA58750-14 SW846 8151		22-OCT-10 02:03	TDR	15-OCT-10	GGP	H8151STD
JA58750-14 SW846 8315		22-OCT-10 15:22	AMA	18-OCT-10		LC8315FORM
JA58750-14 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-14 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-14 SW846 8260B		25-OCT-10 19:47	JTP			V8260AP9SL
JA58750-14 EPA 353.2 M/LACHA		26-OCT-10 11:02	NP	20-OCT-10	ST	NO32
JA58750-14 DAI BY GC/MS 8260SD		26-OCT-10 11:08	KLS			D8260SIMEGLY
JA58750-14 SW846 8082		27-OCT-10 01:42	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-14 CORP ENG 81M/SW9038		28-OCT-10 12:34	SJG	28-OCT-10	SJG	TOC
JA58750-14 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-14 EPA 300/SW846 9056		28-OCT-10 19:23	MS	27-OCT-10	MS	CHL,SO4
JA58750-14 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-14 SW846 6010B		01-NOV-10 23:58	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-14 SW846 6010/7196A M		01-NOV-10 23:58	GT			CR3
JA58750-14 SW846 8081A		02-NOV-10 03:04	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-14 SW846 8270C		02-NOV-10 17:42	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-14 SW846 7471A		05-NOV-10 10:36	JF	03-NOV-10	JW	HG
JA58750-15 Collected: 13-OCT-10 10:25 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW17-C						
JA58750-15 SW846 9012 M/LACHA		20-OCT-10 16:26	VA	19-OCT-10	BC	CN
JA58750-15 SW846 8141B		20-OCT-10 19:16	AFL	19-OCT-10	AFL	P8141SL
JA58750-15 SW846 8315		21-OCT-10 23:27	AMA	18-OCT-10		LC+ ACHD
JA58750-15 SW846 8151		22-OCT-10 02:42	TDR	15-OCT-10	GGP	H8151STD
JA58750-15 SW846 8315		22-OCT-10 15:43	AMA	18-OCT-10		LC8315FORM

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-15 SW846 8260B		23-OCT-10 19:26	JTP			V8260AP9SL
JA58750-15 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-15 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-15 EPA 353.2 M/LACHAT		26-OCT-10 11:03	NP	20-OCT-10	ST	NO32
JA58750-15 DAI BY GC/MS 8260S		26-OCT-10 11:17	KLS			D8260SIMEGLY
JA58750-15 SW846 8082		27-OCT-10 01:57	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-15 CORP ENG 81M/SW9030M		28-OCT-10 12:59	SJG	28-OCT-10	SJG	TOC
JA58750-15 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-15 EPA 300/SW846 9056		28-OCT-10 19:47	MS	27-OCT-10	MS	CHL,SO4
JA58750-15 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-15 SW846 6010B		02-NOV-10 00:04	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-15 SW846 6010/7196A M		02-NOV-10 00:04	GT			CR3
JA58750-15 SW846 8081A		02-NOV-10 03:19	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-15 SW846 8270C		02-NOV-10 18:07	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-15 SW846 7471A		05-NOV-10 10:37	JF	03-NOV-10	JW	HG
JA58750-16 Collected: 13-OCT-10 11:15 By: MH Received: 13-OCT-10 By: MPC						
BBNP-CW20-C						
JA58750-16 SW846 9012 M/LACHAT		20-OCT-10 16:27	VA	19-OCT-10	BC	CN
JA58750-16 SW846 8141B		20-OCT-10 19:46	AFL	19-OCT-10	AFL	P8141SL
JA58750-16 SW846 8315		21-OCT-10 23:48	AMA	18-OCT-10		LC+ ACHD
JA58750-16 SW846 8151		22-OCT-10 03:08	TDR	15-OCT-10	GGP	H8151STD
JA58750-16 SW846 8315		22-OCT-10 16:04	AMA	18-OCT-10		LC8315FORM
JA58750-16 SW846 8260B		23-OCT-10 19:55	JTP			V8260AP9SL
JA58750-16 ASTM D1498-76M		25-OCT-10	RI			EH
JA58750-16 SW846 9045C,D		25-OCT-10	RI			PH
JA58750-16 EPA 353.2 M/LACHAT		26-OCT-10 11:04	NP	20-OCT-10	ST	NO32
JA58750-16 DAI BY GC/MS 8260S		26-OCT-10 11:32	KLS			D8260SIMEGLY
JA58750-16 SW846 8082		27-OCT-10 00:57	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-16 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-16 EPA 300/SW846 9056		28-OCT-10 20:59	MS	27-OCT-10	MS	CHL,SO4
JA58750-16 CORP ENG 81M/SW9030M		30-OCT-10 11:25	SJG	30-OCT-10	SJG	TOC
JA58750-16 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-16 SW846 6010B		02-NOV-10 00:10	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-16 SW846 6010/7196A M		02-NOV-10 00:10	GT			CR3
JA58750-16 SW846 8081A		02-NOV-10 03:35	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-16 SW846 8270C		02-NOV-10 18:33	NAP	22-OCT-10	SK	AB8270PPTCL11

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-16 SW846 7471A		05-NOV-10 10:41	JF	03-NOV-10 JW	HG	
JA58750-17 Collected: 13-OCT-10 11:58 By: MH Received: 13-OCT-10 By: MPC BBNP-CW23-C						
JA58750-17 SW846 8151		19-OCT-10 15:27	TDR	15-OCT-10 GGP	H8151STD	
JA58750-17 SW846 9012 M/LACHA		20-OCT-10 16:28	VA	19-OCT-10 BC	CN	
JA58750-17 SW846 8141B		20-OCT-10 21:14	AFL	19-OCT-10 AFL	P8141SL	
JA58750-17 SW846 8315		22-OCT-10 00:30	AMA	18-OCT-10	LC+ ACHD	
JA58750-17 SW846 8315		22-OCT-10 16:46	AMA	18-OCT-10	LC8315FORM	
JA58750-17 SW846 8260B		23-OCT-10 20:25	JTP		V8260AP9SL	
JA58750-17 ASTM D1498-76M		25-OCT-10	RI		EH	
JA58750-17 SW846 9045C,D		25-OCT-10	RI		PH	
JA58750-17 SW846 8260B		25-OCT-10 20:16	JTP		V8260AP9SL	
JA58750-17 EPA 353.2 M/LACHA		26-OCT-10 11:04	NP	20-OCT-10 ST	NO32	
JA58750-17 DAI BY GC/MS 8260SD		26-OCT-10 11:47	KLS		D8260SIMEGLY	
JA58750-17 SW846 8082		28-OCT-10 00:35	TDR	26-OCT-10 AML	P8082PCBAO	
JA58750-17 CORP ENG 81M/SW90810		28-OCT-10 13:20	SJG	28-OCT-10 SJG	TOC	
JA58750-17 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10 RI	XCRA	
JA58750-17 EPA 300/SW846 9056		28-OCT-10 21:22	MS	27-OCT-10 MS	CHL,SO4	
JA58750-17 SM18 2540G		01-NOV-10	DK		SOL104	
JA58750-17 SW846 6010B		02-NOV-10 00:16	GT	01-NOV-10 VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN	
JA58750-17 SW846 6010/7196A M		02-NOV-10 00:16	GT		CR3	
JA58750-17 SW846 8081A		02-NOV-10 03:50	OPM	26-OCT-10 AML	P8081PESTTCL	
JA58750-17 SW846 8270C		02-NOV-10 19:24	NAP	22-OCT-10 SK	AB8270PPTCL11	
JA58750-17 SW846 7471A		05-NOV-10 10:43	JF	03-NOV-10 JW	HG	
JA58750-18 Collected: 13-OCT-10 11:15 By: MH Received: 13-OCT-10 By: MPC BBNP-CW20-C-FD						
JA58750-18 SW846 8151		20-OCT-10 12:45	TDR	15-OCT-10 GGP	H8151STD	
JA58750-18 SW846 9012 M/LACHA		20-OCT-10 16:29	VA	19-OCT-10 BC	CN	
JA58750-18 SW846 8141B		20-OCT-10 21:43	AFL	19-OCT-10 AFL	P8141SL	
JA58750-18 SW846 8315		22-OCT-10 00:51	AMA	18-OCT-10	LC+ ACHD	
JA58750-18 SW846 8315		22-OCT-10 17:07	AMA	18-OCT-10	LC8315FORM	
JA58750-18 SW846 8260B		23-OCT-10 20:53	JTP		V8260AP9SL	
JA58750-18 ASTM D1498-76M		25-OCT-10	RI		EH	
JA58750-18 SW846 9045C,D		25-OCT-10	RI		PH	
JA58750-18 EPA 353.2 M/LACHA		26-OCT-10 11:05	NP	20-OCT-10 ST	NO32	

Internal Sample Tracking Chronicle

AECOM, INC.

Job No: JA58750

Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-18 DAI BY GC/MS 8260S		26-OCT-10 12:03	KLS			D8260SIMEGLY
JA58750-18 SW846 8082		28-OCT-10 00:50	TDR	26-OCT-10	AML	P8082PCBAO
JA58750-18 CORP ENG 81M/SW9056		28-OCT-10 14:00	SJG	28-OCT-10	SJG	TOC
JA58750-18 SW846 3060A/7196A		28-OCT-10 14:54	BD	27-OCT-10	RI	XCRA
JA58750-18 EPA 300/SW846 9056		28-OCT-10 21:46	MS	27-OCT-10	MS	CHL,SO4
JA58750-18 SM18 2540G		01-NOV-10	DK			SOL104
JA58750-18 SW846 6010B		02-NOV-10 00:23	GT	01-NOV-10	VK	AG,AS,B,BA,BE,CD,CO,CR,CU, MN,NI,PB,SB,SE,SN,V,ZN
JA58750-18 SW846 6010/7196A M		02-NOV-10 00:23	GT			CR3
JA58750-18 SW846 8081A		02-NOV-10 04:05	OPM	26-OCT-10	AML	P8081PESTTCL
JA58750-18 SW846 8270C		02-NOV-10 20:16	NAP	22-OCT-10	SK	AB8270PPTCL11
JA58750-18 SW846 7471A		05-NOV-10 10:44	JF	03-NOV-10	JW	HG

Accutest Internal Chain of Custody

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-1.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-1.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-1.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-1.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-1.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-1.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-1.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-1.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-1.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-1.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-1.1	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-1.1	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-1.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-1.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-1.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-1.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-1.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-1.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-1.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-1.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-1.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-1.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-1.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-1.1
JA58750-1.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-1.1
JA58750-1.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-1.1.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-1.1.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-1.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-1.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-1.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-1.1.2	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-1.1
JA58750-1.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-1.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-1.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-1.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-1.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-1.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-1.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-1.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-1.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage

Accutest Internal Chain of Custody

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-1.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-1.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-1.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-1.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-1.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-1.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-1.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-1.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-1.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-1.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-1.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-1.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-1.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-1.2.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-1.2
JA58750-1.2.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-1.2
JA58750-1.2.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-1.2.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-1.2.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-1.2.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-1.2.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-1.2.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-1.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-1.2
JA58750-1.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-1.2
JA58750-1.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-1.2.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-1.2.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-1.2.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-1.2.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-1.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-1.2.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-1.2
JA58750-1.2.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-1.2
JA58750-1.2.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-1.2.3	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-1.2.3	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-1.2.3	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-1.2.3	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-1.2.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-1.2.4	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-1.2
JA58750-1.2.4	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-1.2

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-1.2.4	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-1.2.4	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-1.2.4	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-1.2.4	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-1.2.5	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-1.2
JA58750-1.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-1.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-1.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-1.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-1.6	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-1.6	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-1.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-1.8	Secured Storage	Adam Scott	10/15/10 06:43	Retrieve from Storage
JA58750-1.8	Adam Scott	Nirali Patel	10/15/10 08:12	Custody Transfer
JA58750-1.8	Nirali Patel	Secured Storage	10/15/10 10:24	Return to Storage
JA58750-1.8	Secured Storage	Adam Scott	10/19/10 15:19	Retrieve from Storage
JA58750-1.8	Adam Scott	Barbara Clark	10/19/10 15:20	Custody Transfer
JA58750-1.8	Barbara Clark	Secured Storage	10/19/10 15:27	Return to Storage
JA58750-1.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-1.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-1.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-1.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-2.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-2.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-2.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-2.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-2.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-2.1	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-2.1	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-2.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-2.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-2.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-2.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-2.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-2.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-2.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-2.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-2.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-2.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-2.1	Secured Storage	Adam Scott	11/03/10 15:13	Retrieve from Storage
JA58750-2.1	Adam Scott	AnnMarie Luisi	11/03/10 15:19	Custody Transfer
JA58750-2.1	AnnMarie Luisi	Secured Storage	11/03/10 15:30	Return to Storage
JA58750-2.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-2.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-2.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-2.1.1	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-2.1
JA58750-2.1.2	AnnMarie Luisi	Organics Prep	11/03/10 15:19	Extract from JA58750-2.1
JA58750-2.1.2	Organics Prep	AnnMarie Luisi	11/03/10 15:33	Extract from JA58750-2.1
JA58750-2.1.2	AnnMarie Luisi	Extract Storage	11/03/10 15:34	Return to Storage
JA58750-2.1.2	Extract Storage	Anna Zuk	11/03/10 16:45	Retrieve from Storage
JA58750-2.1.2	Anna Zuk	GCOA	11/03/10 16:45	Load on Instrument
JA58750-2.1.2	GCOA	Toya Dagena Raffington	11/12/10 17:17	Unload from Instrument
JA58750-2.1.2	Toya Dagena Raffington	Extract Freezer	11/12/10 17:17	Return to Storage
JA58750-2.1.2	Extract Freezer		12/14/10 09:00	Disposed
JA58750-2.1.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-2.1
JA58750-2.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-2.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-2.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-2.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-2.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-2.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-2.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-2.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-2.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-2.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-2.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-2.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-2.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-2.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-2.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-2.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-2.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-2.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-2.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage

Bottle was returned to secure storage, but inadvertently not scanned.

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-2.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-2.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-2.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-2.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-2.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-2.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-2.2
JA58750-2.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-2.2
JA58750-2.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-2.2.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-2.2.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-2.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-2.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-2.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-2.2.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-2.2
JA58750-2.2.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-2.2
JA58750-2.2.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-2.2.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-2.2.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-2.2.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-2.2.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-2.2.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-2.2.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-2.2
JA58750-2.2.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-2.2
JA58750-2.2.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-2.2.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-2.2.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-2.2.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-2.2.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-2.2.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-2.2.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-2.2
JA58750-2.2.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-2.2
JA58750-2.2.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-2.2.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-2.2.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-2.2.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-2.2.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-2.2.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-2.2.5	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-2.2
JA58750-2.2.5	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-2.2

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-2.2.5	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-2.2.5	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-2.2.5	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-2.2.5	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-2.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-2.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-2.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-2.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-2.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-2.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-2.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-2.8	Secured Storage	Adam Scott	10/15/10 06:43	Retrieve from Storage
JA58750-2.8	Adam Scott	Nirali Patel	10/15/10 08:12	Custody Transfer
JA58750-2.8	Nirali Patel	Secured Storage	10/15/10 10:24	Return to Storage
JA58750-2.11	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-2.11	Juntae Park	GCMSh	10/23/10 17:35	Load on Instrument
JA58750-2.11	GCMSh	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-2.11	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-3.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-3.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-3.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-3.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-3.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-3.1	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-3.1	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-3.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-3.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-3.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-3.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-3.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-3.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-3.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-3.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-3.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-3.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-3.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-3.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-3.1.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-3.1
JA58750-3.1.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-3.1
JA58750-3.1.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-3.1.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-3.1.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-3.1.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-3.1.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-3.1.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-3.1.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-3.1
JA58750-3.1.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-3.1
JA58750-3.1.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-3.1.2	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-3.1.2	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-3.1.2	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-3.1.2	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-3.1.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-3.1.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-3.1
JA58750-3.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-3.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-3.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-3.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-3.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-3.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-3.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-3.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-3.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-3.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-3.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-3.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-3.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-3.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-3.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-3.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-3.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-3.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-3.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-3.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-3.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer

Accutest Internal Chain of Custody

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-3.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-3.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-3.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-3.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-3.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-3.2
JA58750-3.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-3.2
JA58750-3.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-3.2.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-3.2.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-3.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-3.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-3.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-3.2.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-3.2
JA58750-3.2.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-3.2
JA58750-3.2.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-3.2.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-3.2.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-3.2.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-3.2.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-3.2.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-3.2.3	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-3.2
JA58750-3.2.3	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-3.2
JA58750-3.2.3	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-3.2.3	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-3.2.3	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-3.2.3	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-3.2.4	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-3.2
JA58750-3.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-3.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-3.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-3.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-3.6	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-3.6	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-3.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-3.8	Secured Storage	Adam Scott	10/15/10 06:43	Retrieve from Storage

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-3.8	Adam Scott	Nirali Patel	10/15/10 08:12	Custody Transfer
JA58750-3.8	Nirali Patel	Secured Storage	10/15/10 10:24	Return to Storage
JA58750-3.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-3.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-3.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-3.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-4.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-4.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-4.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-4.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-4.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-4.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-4.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-4.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-4.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-4.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-4.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-4.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-4.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-4.1	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-4.1	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-4.1	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-4.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-4.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-4.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-4.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-4.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-4.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-4.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-4.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-4.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-4.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-4.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-4.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-4.1
JA58750-4.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-4.1
JA58750-4.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-4.1.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-4.1.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-4.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-4.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-4.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-4.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-4.1
JA58750-4.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-4.1
JA58750-4.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-4.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-4.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-4.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-4.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-4.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-4.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-4.1
JA58750-4.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-4.1
JA58750-4.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-4.1.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-4.1.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-4.1.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-4.1.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-4.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-4.1.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-4.1
JA58750-4.1.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-4.1
JA58750-4.1.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-4.1.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-4.1.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-4.1.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-4.1.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-4.1.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-4.1.5	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-4.1
JA58750-4.1.6	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-4.1
JA58750-4.1.6	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-4.1
JA58750-4.1.6	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-4.1.6	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-4.1.6	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-4.1.6	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-4.1.7	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-4.1
JA58750-4.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-4.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-4.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage

Analyst unavailable for custody transfer.

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-4.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-4.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-4.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-4.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-4.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-4.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-4.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-4.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-4.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-4.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-4.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-4.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-4.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-4.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-4.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-4.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-4.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-4.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-4.7	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-4.7	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-4.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-4.8	Secured Storage	Adam Scott	10/15/10 06:43	Retrieve from Storage
JA58750-4.8	Adam Scott	Nirali Patel	10/15/10 08:12	Custody Transfer
JA58750-4.8	Nirali Patel	Secured Storage	10/15/10 10:24	Return to Storage
JA58750-4.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-4.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-4.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-4.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-5.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-5.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-5.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-5.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-5.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-5.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-5.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-5.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-5.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-5.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-5.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-5.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-5.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-5.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-5.1
JA58750-5.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-5.1
JA58750-5.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-5.1.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-5.1.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-5.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-5.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-5.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-5.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-5.1
JA58750-5.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-5.1
JA58750-5.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-5.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-5.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-5.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-5.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-5.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-5.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-5.1
JA58750-5.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-5.1
JA58750-5.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-5.1.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-5.1.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-5.1.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-5.1.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-5.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-5.1.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-5.1
JA58750-5.1.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-5.1
JA58750-5.1.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-5.1.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-5.1.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-5.1.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-5.1.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-5.1.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-5.1.5	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-5.1
JA58750-5.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-5.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-5.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-5.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-5.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-5.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-5.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-5.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-5.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-5.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-5.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-5.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-5.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-5.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-5.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-5.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-5.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-5.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-5.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-5.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-5.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-5.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-5.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-5.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-5.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-5.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-5.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-5.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-5.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-5.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-5.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-5.2.1	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-5.2
JA58750-5.2.1	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-5.2
JA58750-5.2.1	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-5.2.1	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-5.2.1	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-5.2.1	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-5.2.2	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-5.2
JA58750-5.3	Nick Popow		10/14/10 15:57	Subcontract

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-5.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-5.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-5.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-5.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-5.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-5.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-5.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-5.10	Juntae Park	GCMSh	10/23/10 17:35	Load on Instrument
JA58750-5.10	GCMSh	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-5.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-6.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-6.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-6.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-6.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-6.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-6.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-6.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-6.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-6.1	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-6.1	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-6.1	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-6.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-6.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-6.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-6.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-6.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-6.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-6.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-6.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-6.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-6.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-6.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-6.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-6.1
JA58750-6.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-6.1
JA58750-6.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-6.1.1	Extract Storage	Toya Dagen Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-6.1.1	Toya Dagen Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-6.1.1	GCWW	Toya Dagen Raffington	10/25/10 08:58	Unload from Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-6.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-6.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-6.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-6.1
JA58750-6.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-6.1
JA58750-6.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-6.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-6.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-6.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-6.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-6.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-6.1.3	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-6.1
JA58750-6.1.3	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-6.1
JA58750-6.1.3	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-6.1.3	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-6.1.3	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-6.1.3	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-6.1.4	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-6.1
JA58750-6.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-6.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-6.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
JA58750-6.2	Analyst unavailable for custody transfer.			
JA58750-6.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-6.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-6.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-6.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-6.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-6.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-6.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-6.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-6.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-6.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-6.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-6.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-6.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-6.2	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-6.2	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-6.2	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-6.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-6.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-6.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-6.2.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-6.2
JA58750-6.2.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-6.2
JA58750-6.2.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-6.2.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-6.2.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-6.2.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-6.2.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-6.2.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-6.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-6.2
JA58750-6.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-6.2
JA58750-6.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-6.2.2	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-6.2.2	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-6.2.2	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-6.2.2	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-6.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-6.2.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-6.2
JA58750-6.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-6.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-6.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-6.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-6.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-6.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-6.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-6.8	Nick Popow		10/18/10 15:23	Subcontract
JA58750-6.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-6.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-6.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-6.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-7.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-7.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-7.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-7.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-7.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-7.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-7.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-7.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-7.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-7.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-7.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-7.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-7.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-7.1	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-7.1	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-7.1	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-7.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-7.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-7.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-7.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-7.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-7.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-7.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-7.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-7.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-7.1
JA58750-7.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-7.1
JA58750-7.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-7.1.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-7.1.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-7.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-7.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-7.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-7.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-7.1
JA58750-7.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-7.1
JA58750-7.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-7.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-7.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-7.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-7.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-7.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-7.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-7.1
JA58750-7.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-7.1
JA58750-7.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-7.1.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-7.1.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-7.1.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-7.1.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-7.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-7.1.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-7.1
JA58750-7.1.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-7.1
JA58750-7.1.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-7.1.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-7.1.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-7.1.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-7.1.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-7.1.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-7.1.5	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-7.1
JA58750-7.1.6	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-7.1
JA58750-7.1.6	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-7.1
JA58750-7.1.6	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-7.1.6	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-7.1.6	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-7.1.6	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-7.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-7.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-7.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-7.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-7.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-7.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-7.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-7.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-7.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-7.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-7.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-7.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-7.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-7.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-7.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-7.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-7.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-7.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-7.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-7.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-7.2.1	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-7.2
JA58750-7.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-7.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-7.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-7.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-7.7	Kristi Schollenberger	GCMSSH	10/22/10 18:19	Load on Instrument
JA58750-7.7	GCMSSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-7.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-7.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-7.10	Juntae Park	GCMSSX	10/23/10 17:35	Load on Instrument
JA58750-7.10	GCMSSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-7.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-8.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-8.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-8.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-8.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-8.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-8.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-8.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-8.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-8.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-8.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-8.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-8.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-8.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-8.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-8.1.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-8.1
JA58750-8.1.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-8.1
JA58750-8.1.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-8.1.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-8.1.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-8.1.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-8.1.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-8.1.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-8.1.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-8.1
JA58750-8.1.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-8.1

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-8.1.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-8.1.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-8.1.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-8.1.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-8.1.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-8.1.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-8.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-8.1
JA58750-8.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-8.1
JA58750-8.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-8.1.3	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-8.1.3	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-8.1.3	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-8.1.3	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-8.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-8.1.4	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-8.1
JA58750-8.1.5	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-8.1
JA58750-8.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-8.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-8.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-8.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-8.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-8.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-8.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-8.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-8.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-8.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-8.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-8.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-8.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-8.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-8.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-8.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-8.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-8.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-8.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-8.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-8.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-8.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-8.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-8.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-8.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-8.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-8.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-8.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-8.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-8.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-8.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-8.2
JA58750-8.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-8.2
JA58750-8.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-8.2.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-8.2.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-8.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-8.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-8.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-8.2.2	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-8.2
JA58750-8.2.2	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-8.2
JA58750-8.2.2	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-8.2.2	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-8.2.2	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-8.2.2	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-8.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-8.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-8.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-8.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-8.7	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-8.7	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-8.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-8.8	Nick Popow		10/18/10 15:23	Subcontract
JA58750-8.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-8.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-8.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-8.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-9.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-9.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-9.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-9.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-9.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-9.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-9.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-9.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-9.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-9.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-9.1	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-9.1	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-9.1	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-9.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-9.1
JA58750-9.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-9.1
JA58750-9.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-9.1.1	Extract Storage	Toya Dagena Raffington	10/20/10 12:34	Retrieve from Storage
JA58750-9.1.1	Toya Dagena Raffington	GCWW	10/20/10 12:34	Load on Instrument
JA58750-9.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-9.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-9.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-9.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-9.1
JA58750-9.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-9.1
JA58750-9.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-9.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-9.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-9.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-9.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-9.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-9.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-9.1
JA58750-9.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-9.1
JA58750-9.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-9.1.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-9.1.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-9.1.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-9.1.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-9.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-9.1.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-9.1
JA58750-9.1.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-9.1
JA58750-9.1.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-9.1.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-9.1.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-9.1.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-9.1.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-9.1.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-9.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-9.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-9.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-9.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-9.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-9.2	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-9.2	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-9.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-9.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-9.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-9.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-9.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-9.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-9.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-9.2	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-9.2	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-9.2	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-9.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-9.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-9.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-9.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-9.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-9.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-9.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-9.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-9.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-9.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-9.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-9.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-9.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-9.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-9.2.1	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-9.2
JA58750-9.2.2	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-9.2
JA58750-9.2.2	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-9.2
JA58750-9.2.2	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-9.2.2	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-9.2.2	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-9.2.2	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-9.2.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-9.2
JA58750-9.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-9.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-9.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-9.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-9.7	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-9.7	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-9.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-9.8	Nick Popow		10/18/10 15:23	Subcontract
JA58750-9.10	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-9.10	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-9.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-9.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-10.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-10.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-10.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-10.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-10.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-10.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-10.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-10.1	Shirley Grzybowski	Barbara Clark	10/22/10 12:51	Custody Transfer
JA58750-10.1	Barbara Clark	Secured Storage	10/22/10 15:22	Return to Storage
JA58750-10.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-10.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-10.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-10.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-10.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-10.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-10.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-10.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-10.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-10.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-10.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-10.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-10.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-10.1
JA58750-10.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-10.1
JA58750-10.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-10.1.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-10.1.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-10.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-10.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-10.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-10.1.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-10.1
JA58750-10.1.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-10.1
JA58750-10.1.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-10.1.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-10.1.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-10.1.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-10.1.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-10.1.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-10.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-10.1
JA58750-10.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-10.1
JA58750-10.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-10.1.3	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-10.1.3	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-10.1.3	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-10.1.3	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-10.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-10.1.4	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-10.1
JA58750-10.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-10.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-10.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-10.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-10.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-10.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-10.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-10.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-10.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-10.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-10.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-10.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-10.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-10.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-10.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-10.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-10.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-10.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-10.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-10.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-10.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-10.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-10.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-10.2.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-10.2
JA58750-10.2.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-10.2
JA58750-10.2.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-10.2.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-10.2.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-10.2.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-10.2.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-10.2.1	Extract Freezer	Krutika Patel	11/03/10 13:36	Retrieve from Storage
JA58750-10.2.1	Krutika Patel	GCMS2P	11/03/10 13:36	Load on Instrument
JA58750-10.2.1	GCMS2P	Krutika Patel	11/04/10 12:51	Unload from Instrument
JA58750-10.2.1	Krutika Patel	Extract Freezer	11/04/10 12:51	Return to Storage
JA58750-10.2.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-10.2.2	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-10.2
JA58750-10.2.2	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-10.2
JA58750-10.2.2	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-10.2.2	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-10.2.2	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-10.2.2	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-10.2.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-10.2
JA58750-10.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-10.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-10.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-10.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-10.6	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-10.6	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-10.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-10.8	Nick Popow		10/18/10 15:23	Subcontract
JA58750-10.10	Secured Storage	Dong, Mei	10/25/10 14:57	Retrieve from Storage
JA58750-10.10	Dong, Mei	GCMSX	10/25/10 14:57	Load on Instrument
JA58750-10.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-10.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-11.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-11.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-11.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-11.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-11.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-11.1	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-11.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-11.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-11.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-11.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-11.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-11.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-11.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-11.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-11.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-11.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-11.1.1	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-11.1
JA58750-11.1.2	Rie Iwasaki	GenChem Digestion	10/27/10 11:46	Digestate from JA58750-11.1
JA58750-11.1.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:47	Digestate from JA58750-11.1
JA58750-11.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-11.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-11.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-11.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-11.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-11.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-11.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-11.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-11.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-11.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-11.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-11.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-11.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-11.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-11.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-11.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-11.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-11.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-11.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-11.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-11.2	Secured Storage	Todd Shoemaker	12/02/10 08:07	Retrieve from Storage
JA58750-11.2	Todd Shoemaker	Sarvadaman Tripathi	12/02/10 08:33	Custody Transfer
JA58750-11.2	Sarvadaman Tripathi	Secured Storage	12/02/10 16:16	Return to Storage
JA58750-11.2.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-11.2
JA58750-11.2.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-11.2
JA58750-11.2.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-11.2.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-11.2.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-11.2.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-11.2.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-11.2.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-11.2.2	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-11.2
JA58750-11.2.2	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-11.2
JA58750-11.2.2	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-11.2.2	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-11.2.2	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-11.2.2	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-11.2.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-11.2
JA58750-11.2.4	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-11.2
JA58750-11.3	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-11.3	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-11.3	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-11.3	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-11.3	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-11.3	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-11.3	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-11.3	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-11.3	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-11.3	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-11.3	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-11.3	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-11.3	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-11.3	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-11.3	Shirley Grzybowski	Secured Storage	10/25/10 14:10	Return to Storage
JA58750-11.3	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-11.3	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-11.3	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-11.3	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-11.3	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-11.3.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-11.3
JA58750-11.3.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-11.3
JA58750-11.3.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-11.3.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-11.3.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-11.3.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-11.3.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-11.3.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-11.3.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-11.3
JA58750-11.3.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-11.3
JA58750-11.3.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-11.3.2	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-11.3.2	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-11.3.2	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-11.3.2	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-11.3.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-11.3.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-11.3
JA58750-11.4	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-11.4	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-11.4	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-11.4	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-11.4	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-11.4	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-11.4	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-11.4	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-11.4	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-11.4	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-11.4	Shirley Grzybowski	Secured Storage	10/25/10 14:10	Return to Storage
JA58750-11.4	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-11.4	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-11.4	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-11.4.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-11.4
JA58750-11.4.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-11.4
JA58750-11.4.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-11.4.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-11.4.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-11.4.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-11.4.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-11.4.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-11.7	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.8	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.9	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.10	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.11	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.13	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.14	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.15	Nick Popow		10/14/10 15:57	Subcontract
JA58750-11.18	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-11.18	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-11.18	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-11.18	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-11.22	Secured Storage	Adam Scott	11/22/10 06:51	Retrieve from Storage
JA58750-11.22	Adam Scott	Shirley Grzybowski	11/22/10 07:18	Custody Transfer
JA58750-11.22	Shirley Grzybowski	Secured Storage	11/22/10 15:10	Return to Storage
JA58750-11.28	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-11.28	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-11.28	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-11.28	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-11.29	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-11.29	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-11.29	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-11.29	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-11.30	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-11.30	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-11.30	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-11.30	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-12.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-12.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-12.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-12.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-12.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-12.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-12.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-12.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-12.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-12.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-12.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-12.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-12.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-12.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-12.1
JA58750-12.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-12.1
JA58750-12.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-12.1.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-12.1.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-12.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-12.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-12.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-12.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-12.1
JA58750-12.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-12.1
JA58750-12.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-12.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-12.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-12.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-12.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-12.1.2	Extract Freezer	Krutika Patel	11/03/10 13:36	Retrieve from Storage
JA58750-12.1.2	Krutika Patel	GCMS2P	11/03/10 13:36	Load on Instrument
JA58750-12.1.2	GCMS2P	Krutika Patel	11/04/10 12:51	Unload from Instrument
JA58750-12.1.2	Krutika Patel	Extract Freezer	11/04/10 12:51	Return to Storage
JA58750-12.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-12.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-12.1

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-12.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-12.1
JA58750-12.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-12.1.3	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-12.1.3	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-12.1.3	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-12.1.3	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-12.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-12.1.4	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-12.1
JA58750-12.1.4	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-12.1
JA58750-12.1.4	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-12.1.4	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-12.1.4	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-12.1.4	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-12.1.4	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-12.1.4	Extract Freezer		12/06/10 09:00	Disposed
JA58750-12.1.5	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-12.1
JA58750-12.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-12.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-12.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-12.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-12.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-12.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-12.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-12.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-12.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-12.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-12.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-12.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-12.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-12.2	Secured Storage	Zethan Reyes	10/27/10 10:20	Retrieve from Storage
JA58750-12.2	Zethan Reyes	Melissa Smith	10/27/10 10:22	Custody Transfer
JA58750-12.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-12.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-12.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-12.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-12.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-12.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-12.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-12.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-12.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-12.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-12.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-12.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-12.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-12.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-12.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-12.2.1	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-12.2
JA58750-12.2.1	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-12.2
JA58750-12.2.1	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-12.2.1	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-12.2.1	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-12.2.1	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-12.2.2	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-12.2
JA58750-12.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-12.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-12.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-12.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-12.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-12.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-12.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-12.10	Secured Storage	Dong, Mei	10/25/10 14:57	Retrieve from Storage
JA58750-12.10	Dong, Mei	GCMSh	10/25/10 14:57	Load on Instrument
JA58750-12.10	GCMSh	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-12.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-13.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-13.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-13.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-13.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-13.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-13.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-13.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-13.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-13.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-13.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-13.1	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-13.1	Secured Storage	Steven Kim	10/22/10 14:55	Retrieve from Storage
JA58750-13.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-13.1	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-13.1	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-13.1	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-13.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-13.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-13.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-13.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-13.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-13.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-13.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-13.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-13.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-13.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-13.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-13.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-13.1
JA58750-13.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-13.1
JA58750-13.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-13.1.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-13.1.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-13.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-13.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-13.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-13.1.2	Steven Kim	Organics Prep	10/22/10 20:17	Extract from JA58750-13.1
JA58750-13.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-13.1
JA58750-13.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-13.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-13.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-13.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-13.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-13.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-13.1.3	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-13.1
JA58750-13.1.3	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-13.1
JA58750-13.1.3	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-13.1.3	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-13.1.3	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-13.1.3	Metals Digestate Storage		01/10/11 09:00	Disposed

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-13.1.4	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-13.1
JA58750-13.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-13.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-13.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-13.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-13.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-13.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-13.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-13.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-13.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-13.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-13.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-13.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-13.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-13.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-13.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-13.2.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-13.2
JA58750-13.2.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-13.2
JA58750-13.2.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-13.2.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-13.2.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-13.2.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-13.2.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-13.2.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-13.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-13.2
JA58750-13.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-13.2
JA58750-13.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-13.2.2	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-13.2.2	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-13.2.2	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-13.2.2	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-13.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-13.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-13.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-13.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-13.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-13.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-13.7	GCM SH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-13.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-13.8	Secured Storage	Rie Iwasaki	10/27/10 11:46	Retrieve from Storage
JA58750-13.8	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-13.8.1	Rie Iwasaki	GenChem Digestion	10/27/10 11:46	Digestate from JA58750-13.8
JA58750-13.10	Secured Storage	Dong, Mei	10/25/10 14:57	Retrieve from Storage
JA58750-13.10	Dong, Mei	GCMSX	10/25/10 14:57	Load on Instrument
JA58750-13.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-13.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-13.11	Secured Storage	Juntae Park	10/26/10 11:59	Retrieve from Storage
JA58750-13.11	Juntae Park	GCMSX	10/26/10 11:59	Load on Instrument
JA58750-13.11	GCMSX	Juntae Park	10/27/10 09:28	Unload from Instrument
JA58750-13.11	Juntae Park	Secured Storage	10/27/10 09:28	Return to Storage
JA58750-14.1	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-14.1	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-14.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-14.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-14.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-14.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-14.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-14.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-14.1	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-14.1	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-14.1	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-14.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-14.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-14.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-14.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-14.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-14.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-14.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-14.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-14.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-14.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-14.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-14.1.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-14.1
JA58750-14.1.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-14.1

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-14.1.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-14.1.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-14.1.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-14.1.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-14.1.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-14.1.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-14.1.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-14.1
JA58750-14.1.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-14.1
JA58750-14.1.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-14.1.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-14.1.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-14.1.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-14.1.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-14.1.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-14.1.3	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-14.1
JA58750-14.1.3	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-14.1
JA58750-14.1.3	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-14.1.3	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-14.1.3	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-14.1.3	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-14.1.4	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-14.1
JA58750-14.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-14.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-14.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-14.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-14.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-14.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-14.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-14.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-14.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-14.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-14.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-14.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-14.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-14.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-14.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-14.2	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-14.2	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-14.2	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-14.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-14.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-14.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-14.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-14.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-14.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-14.2.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-14.2
JA58750-14.2.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-14.2
JA58750-14.2.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-14.2.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-14.2.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-14.2.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-14.2.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-14.2.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-14.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-14.2
JA58750-14.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-14.2
JA58750-14.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-14.2.2	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-14.2.2	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-14.2.2	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-14.2.2	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-14.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-14.2.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-14.2
JA58750-14.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-14.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-14.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-14.6	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-14.6	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-14.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-14.10	Secured Storage	Jianhua Li	10/21/10 16:35	Retrieve from Storage
JA58750-14.10	Jianhua Li	GCMSV	10/21/10 16:35	Load on Instrument
JA58750-14.10	GCMSV	Jianhua Li	10/22/10 10:25	Unload from Instrument
JA58750-14.10	Jianhua Li	Secured Storage	10/22/10 10:25	Return to Storage
JA58750-14.10	Secured Storage	Dong, Mei	10/25/10 14:57	Retrieve from Storage
JA58750-14.10	Dong, Mei	GCMSX	10/25/10 14:57	Load on Instrument
JA58750-14.10	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-14.10	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-15.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-15.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-15.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-15.1	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-15.1	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-15.1	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-15.1	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-15.1	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-15.1	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-15.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-15.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-15.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-15.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-15.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-15.1.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-15.1
JA58750-15.1.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-15.1
JA58750-15.1.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-15.1.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-15.1.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-15.1.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-15.1.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-15.1.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-15.1.2	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-15.1
JA58750-15.1.2	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-15.1
JA58750-15.1.2	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-15.1.2	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-15.1.2	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-15.1.2	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-15.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-15.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-15.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-15.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-15.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-15.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-15.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-15.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-15.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-15.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-15.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-15.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-15.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-15.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-15.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-15.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-15.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-15.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-15.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-15.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-15.2	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-15.2	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-15.2	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-15.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-15.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-15.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-15.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-15.2
JA58750-15.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-15.2
JA58750-15.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-15.2.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-15.2.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-15.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-15.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-15.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-15.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-15.2
JA58750-15.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-15.2
JA58750-15.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-15.2.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-15.2.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-15.2.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-15.2.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-15.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-15.2.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-15.2
JA58750-15.2.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-15.2
JA58750-15.2.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-15.2.3	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-15.2.3	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-15.2.3	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-15.2.3	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-15.2.3	Extract Freezer		12/06/10 09:00	Disposed

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample/Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-15.2.4	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-15.2
JA58750-15.2.5	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-15.2
JA58750-15.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-15.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-15.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-15.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-15.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-15.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-15.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-15.10	Secured Storage	Jianhua Li	10/21/10 16:35	Retrieve from Storage
JA58750-15.10	Jianhua Li	GCMSV	10/21/10 16:35	Load on Instrument
JA58750-15.10	GCMSV	Jianhua Li	10/22/10 10:25	Unload from Instrument
JA58750-15.10	Jianhua Li	Secured Storage	10/22/10 10:25	Return to Storage
JA58750-15.11	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-15.11	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-15.11	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-15.11	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-16.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-16.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-16.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-16.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-16.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-16.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-16.1	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-16.1	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-16.1	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-16.1	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-16.1	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-16.1	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-16.1.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-16.1
JA58750-16.1.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-16.1
JA58750-16.1.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-16.1.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-16.1.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-16.1.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-16.1.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-16.1.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-16.1.2	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-16.1
JA58750-16.1.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-16.1
JA58750-16.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-16.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-16.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-16.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-16.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-16.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-16.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-16.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-16.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-16.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-16.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-16.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-16.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-16.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-16.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-16.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-16.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-16.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-16.2	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-16.2	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-16.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-16.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-16.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-16.2	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-16.2	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-16.2	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-16.2	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-16.2	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-16.2	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-16.2	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-16.2	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-16.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-16.2
JA58750-16.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-16.2
JA58750-16.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-16.2.1	Extract Storage	Toya Dagena Raffington	10/21/10 16:33	Retrieve from Storage
JA58750-16.2.1	Toya Dagena Raffington	GCWW	10/21/10 16:33	Load on Instrument
JA58750-16.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-16.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-16.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-16.2.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-16.2
JA58750-16.2.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-16.2
JA58750-16.2.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-16.2.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-16.2.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-16.2.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-16.2.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-16.2.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-16.2.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-16.2
JA58750-16.2.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-16.2
JA58750-16.2.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-16.2.3	Extract Storage	Toya Dagena Raffington	10/26/10 16:21	Retrieve from Storage
JA58750-16.2.3	Toya Dagena Raffington	GC3G	10/26/10 16:21	Load on Instrument
JA58750-16.2.3	GC3G	Toya Dagena Raffington	10/27/10 09:04	Unload from Instrument
JA58750-16.2.3	Toya Dagena Raffington	Extract Freezer	10/27/10 09:04	Return to Storage
JA58750-16.2.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-16.2.4	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-16.2
JA58750-16.2.4	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-16.2
JA58750-16.2.4	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-16.2.4	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-16.2.4	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-16.2.4	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-16.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-16.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-16.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-16.7	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-16.7	Kristi Schollenberger	GCMSh	10/22/10 18:19	Load on Instrument
JA58750-16.7	GCMSh	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-16.7	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-16.10	Secured Storage	Jianhua Li	10/21/10 16:35	Retrieve from Storage
JA58750-16.10	Jianhua Li	GCMSV	10/21/10 16:35	Load on Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-16.10	GCMSV	Jianhua Li	10/22/10 10:25	Unload from Instrument
JA58750-16.10	Jianhua Li	Secured Storage	10/22/10 10:25	Return to Storage
JA58750-16.11	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-16.11	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-16.11	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-16.11	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-17.1	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-17.1	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-17.1	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-17.1	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-17.1	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-17.1	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-17.1	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-17.1	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-17.1	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-17.1	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-17.1	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-17.1	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-17.1	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-17.1	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-17.1	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-17.1	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-17.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-17.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-17.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-17.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-17.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-17.1	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage
JA58750-17.1	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-17.1	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-17.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-17.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-17.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-17.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-17.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-17.1.1	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-17.1
JA58750-17.1.1	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-17.1
JA58750-17.1.1	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-17.1.1	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-17.1.1	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-17.1.1	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-17.1.1	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-17.1.1	Extract Freezer		12/06/10 09:00	Disposed
JA58750-17.1.2	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-17.1
JA58750-17.1.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-17.1
JA58750-17.1.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-17.1.2	Extract Storage	Toya Dagena Raffington	10/27/10 15:03	Retrieve from Storage
JA58750-17.1.2	Toya Dagena Raffington	GC3G	10/27/10 15:03	Load on Instrument
JA58750-17.1.2	GC3G	Toya Dagena Raffington	10/29/10 10:17	Unload from Instrument
JA58750-17.1.2	Toya Dagena Raffington	Extract Freezer	10/29/10 10:17	Return to Storage
JA58750-17.1.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-17.1.3	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-17.1
JA58750-17.1.4	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-17.1
JA58750-17.1.4	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-17.1
JA58750-17.1.4	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-17.1.4	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-17.1.4	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-17.1.4	Metals Digestate Storage		01/10/11 09:00	Disposed
JA58750-17.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-17.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-17.2	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-17.2	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-17.2	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-17.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-17.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-17.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-17.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-17.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-17.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-17.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-17.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-17.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-17.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-17.2
JA58750-17.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-17.2
JA58750-17.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-17.2.1	Extract Storage	Toya Dagena Raffington	10/19/10 10:52	Retrieve from Storage
JA58750-17.2.1	Toya Dagena Raffington	GCWW	10/19/10 10:52	Load on Instrument
JA58750-17.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample. Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-17.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-17.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-17.2.2	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-17.2
JA58750-17.2.2	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-17.2
JA58750-17.2.2	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-17.2.2	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-17.2.2	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-17.2.2	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-17.2.2	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-17.2.2	Extract Freezer		12/02/10 09:00	Disposed
JA58750-17.2.3	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-17.2
JA58750-17.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-17.4	Nick Popow		10/14/10 15:57	Subcontract
JA58750-17.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-17.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-17.6	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-17.6	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-17.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-17.10	Secured Storage	Jianhua Li	10/21/10 16:35	Retrieve from Storage
JA58750-17.10	Jianhua Li	GCMSV	10/21/10 16:35	Load on Instrument
JA58750-17.10	GCMSV	Jianhua Li	10/22/10 10:25	Unload from Instrument
JA58750-17.10	Jianhua Li	Secured Storage	10/22/10 10:25	Return to Storage
JA58750-17.11	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-17.11	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-17.11	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-17.11	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage
JA58750-18.1	Secured Storage	Zethan Reyes	10/22/10 11:24	Retrieve from Storage
JA58750-18.1	Zethan Reyes	Steven Kim	10/22/10 12:46	Custody Transfer
JA58750-18.1	Steven Kim	Secured Storage	10/22/10 21:15	Return to Storage
JA58750-18.1	Secured Storage	AnnMarie Luisi	10/26/10 06:28	Retrieve from Storage
JA58750-18.1	AnnMarie Luisi	Secured Storage	10/26/10 12:27	Return to Storage
JA58750-18.1	Secured Storage	Adam Scott	10/27/10 06:41	Retrieve from Storage
JA58750-18.1	Adam Scott	Rie Iwasaki	10/27/10 08:42	Custody Transfer
JA58750-18.1	Rie Iwasaki	Secured Storage	10/27/10 13:02	Return to Storage
JA58750-18.1	Secured Storage	Halden McCloskey	10/29/10 17:33	Retrieve from Storage

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-18.1	Halden McCloskey	Jay Sen	10/29/10 17:35	Custody Transfer
JA58750-18.1	Jay Sen	Secured Storage	10/29/10 20:36	Return to Storage
JA58750-18.1	Secured Storage	Todd Shoemaker	11/01/10 08:24	Retrieve from Storage
JA58750-18.1	Todd Shoemaker	Vidya Krishnan	11/01/10 08:25	Custody Transfer
JA58750-18.1	Secured Storage	Zethan Reyes	11/01/10 13:41	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JA58750-18.1	Zethan Reyes	Daniel Klawunn	11/01/10 13:42	Custody Transfer
JA58750-18.1	Daniel Klawunn	Secured Storage	11/01/10 15:52	Return to Storage
JA58750-18.1.1	Steven Kim	Organics Prep	10/22/10 12:52	Extract from JA58750-18.1
JA58750-18.1.1	Organics Prep	Steven Kim	10/22/10 23:38	Extract from JA58750-18.1
JA58750-18.1.1	Steven Kim	Extract Storage	10/22/10 23:38	Return to Storage
JA58750-18.1.1	Extract Storage	Nina Pandya	11/02/10 10:32	Retrieve from Storage
JA58750-18.1.1	Nina Pandya	GCMS2P	11/02/10 10:32	Load on Instrument
JA58750-18.1.1	GCMS2P	Krutika Patel	11/03/10 13:35	Unload from Instrument
JA58750-18.1.1	Krutika Patel	Extract Freezer	11/03/10 13:36	Return to Storage
JA58750-18.1.1	Extract Freezer		12/02/10 09:00	Disposed
JA58750-18.1.2	AnnMarie Luisi	Organics Prep	10/26/10 06:30	Extract from JA58750-18.1
JA58750-18.1.2	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-18.1
JA58750-18.1.2	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-18.1.2	Extract Storage	Owen McKenna	11/01/10 17:26	Retrieve from Storage
JA58750-18.1.2	Owen McKenna	GC1G	11/01/10 17:26	Load on Instrument
JA58750-18.1.2	GC1G	Owen McKenna	11/05/10 16:55	Unload from Instrument
JA58750-18.1.2	Owen McKenna	Extract Freezer	11/05/10 16:55	Return to Storage
JA58750-18.1.2	Extract Freezer		12/06/10 09:00	Disposed
JA58750-18.1.3	AnnMarie Luisi	Organics Prep	10/26/10 06:31	Extract from JA58750-18.1
JA58750-18.1.3	Organics Prep	AnnMarie Luisi	10/26/10 15:07	Extract from JA58750-18.1
JA58750-18.1.3	AnnMarie Luisi	Extract Storage	10/26/10 15:07	Return to Storage
JA58750-18.1.3	Extract Storage	Toya Dagena Raffington	10/27/10 15:03	Retrieve from Storage
JA58750-18.1.3	Toya Dagena Raffington	GC3G	10/27/10 15:03	Load on Instrument
JA58750-18.1.3	GC3G	Toya Dagena Raffington	10/29/10 10:17	Unload from Instrument
JA58750-18.1.3	Toya Dagena Raffington	Extract Freezer	10/29/10 10:17	Return to Storage
JA58750-18.1.3	Extract Freezer		12/06/10 09:00	Disposed
JA58750-18.1.4	Rie Iwasaki	GenChem Digestion	10/27/10 11:45	Digestate from JA58750-18.1
JA58750-18.1.5	Vidya Krishnan	Metals Digestion	11/01/10 12:03	Digestate from JA58750-18.1
JA58750-18.1.5	Metals Digestion	Vidya Krishnan	11/01/10 12:03	Digestate from JA58750-18.1
JA58750-18.1.5	Vidya Krishnan	Metals Digestate Storage	11/01/10 12:03	Return to Storage
JA58750-18.1.5	Metals Digestate Storage	Gulcag Temizau	11/01/10 16:34	Retrieve from Storage
JA58750-18.1.5	Gulcag Temizau	Metals Digestate Storage	11/01/10 16:35	Return to Storage
JA58750-18.1.5	Metals Digestate Storage		01/10/11 09:00	Disposed

Accutest Internal Chain of Custody

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA
Received: 10/13/10

Sample, Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-18.2	Secured Storage	George Paunovski	10/15/10 16:17	Retrieve from Storage
JA58750-18.2	George Paunovski	Secured Storage	10/15/10 18:18	Return to Storage
JA58750-18.2	Secured Storage	Zethan Reyes	10/19/10 08:34	Retrieve from Storage
JA58750-18.2	Zethan Reyes	Barbara Clark	10/19/10 08:36	Custody Transfer
JA58750-18.2	Barbara Clark	Secured Storage	10/19/10 12:45	Return to Storage
JA58750-18.2	Secured Storage	Todd Shoemaker	10/20/10 08:26	Retrieve from Storage
JA58750-18.2	Todd Shoemaker	Sarvadaman Tripathi	10/20/10 08:31	Custody Transfer
JA58750-18.2	Shirley Grzybowski	Secured Storage	10/21/10 07:08	Return to Storage
Analyst unavailable for custody transfer.				
JA58750-18.2	Secured Storage	Adam Scott	10/22/10 06:15	Retrieve from Storage
JA58750-18.2	Adam Scott	Shirley Grzybowski	10/22/10 07:06	Custody Transfer
JA58750-18.2	Shirley Grzybowski	Secured Storage	10/22/10 14:28	Return to Storage
JA58750-18.2	Secured Storage	Adam Scott	10/23/10 06:42	Retrieve from Storage
JA58750-18.2	Adam Scott	Shirley Grzybowski	10/23/10 06:51	Custody Transfer
JA58750-18.2	Shirley Grzybowski	Secured Storage	10/23/10 12:49	Return to Storage
JA58750-18.2	Secured Storage	Adam Scott	10/25/10 06:28	Retrieve from Storage
JA58750-18.2	Adam Scott	Shirley Grzybowski	10/25/10 07:07	Custody Transfer
JA58750-18.2	Shirley Grzybowski	Rie Iwasaki	10/25/10 10:53	Custody Transfer
JA58750-18.2	Rie Iwasaki	Secured Storage	10/25/10 13:22	Return to Storage
JA58750-18.2	Secured Storage	Todd Shoemaker	10/27/10 08:44	Retrieve from Storage
JA58750-18.2	Todd Shoemaker	Melissa Smith	10/27/10 08:47	Custody Transfer
JA58750-18.2	Melissa Smith	Secured Storage	10/27/10 16:35	Return to Storage
JA58750-18.2	Secured Storage	Todd Shoemaker	11/03/10 08:11	Retrieve from Storage
JA58750-18.2	Todd Shoemaker	Jieyu Wang	11/03/10 08:13	Custody Transfer
JA58750-18.2	Jieyu Wang	Secured Storage	11/03/10 15:56	Return to Storage
JA58750-18.2	Secured Storage	Todd Shoemaker	11/09/10 08:44	Retrieve from Storage
JA58750-18.2	Todd Shoemaker	Vaidehi Amin	11/09/10 08:47	Custody Transfer
JA58750-18.2	Vaidehi Amin	Secured Storage	11/09/10 15:36	Return to Storage
JA58750-18.2.1	George Paunovski	Organics Prep	10/15/10 16:18	Extract from JA58750-18.2
JA58750-18.2.1	Organics Prep	George Paunovski	10/15/10 23:50	Extract from JA58750-18.2
JA58750-18.2.1	George Paunovski	Extract Storage	10/15/10 23:51	Return to Storage
JA58750-18.2.1	Extract Storage	Toya Dagena Raffington	10/20/10 12:34	Retrieve from Storage
JA58750-18.2.1	Toya Dagena Raffington	GCWW	10/20/10 12:34	Load on Instrument
JA58750-18.2.1	GCWW	Toya Dagena Raffington	10/25/10 08:58	Unload from Instrument
JA58750-18.2.1	Toya Dagena Raffington	Extract Freezer	10/25/10 08:58	Return to Storage
JA58750-18.2.1	Extract Freezer		11/25/10 09:00	Disposed
JA58750-18.2.2	Vaidehi Amin	GenChem Digestion	11/09/10 11:38	Digestate from JA58750-18.2
JA58750-18.3	Nick Popow		10/14/10 15:57	Subcontract
JA58750-18.4	Nick Popow		10/14/10 15:57	Subcontract

Accutest Internal Chain of Custody

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Received: 10/13/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58750-18.5	Nick Popow		10/14/10 15:57	Subcontract
JA58750-18.6	Secured Storage	Kristi Schollenberger	10/22/10 18:19	Retrieve from Storage
JA58750-18.6	Kristi Schollenberger	GCMSH	10/22/10 18:19	Load on Instrument
JA58750-18.6	GCMSH	Kristi Schollenberger	10/25/10 19:14	Unload from Instrument
JA58750-18.6	Kristi Schollenberger	Secured Storage	10/25/10 19:14	Return to Storage
JA58750-18.10	Secured Storage	Jianhua Li	10/21/10 16:35	Retrieve from Storage
JA58750-18.10	Jianhua Li	GCMSV	10/21/10 16:35	Load on Instrument
JA58750-18.10	GCMSV	Jianhua Li	10/22/10 10:25	Unload from Instrument
JA58750-18.10	Jianhua Li	Secured Storage	10/22/10 10:25	Return to Storage
JA58750-18.11	Secured Storage	Juntae Park	10/23/10 17:35	Retrieve from Storage
JA58750-18.11	Juntae Park	GCMSX	10/23/10 17:35	Load on Instrument
JA58750-18.11	GCMSX	Juntae Park	10/26/10 11:53	Unload from Instrument
JA58750-18.11	Juntae Park	Secured Storage	10/26/10 11:53	Return to Storage

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
EH4373-MB	H100537.D	1	10/25/10	KLS	n/a	n/a	EH4373

The QC reported here applies to the following samples:

Method: DAI BY GC/MS 8260SIM

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-11

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.25	0.079	mg/kg	

CAS No.	Surrogate Recoveries	Limits
111-27-3	Hexanol	113% ^a 50-150%

(a) Surrogate added twice.

5.1.1
5

Method Blank Summary

Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
EH4373-MB2	H100560.D	1	10/26/10	KLS	n/a	n/a	EH4373

The QC reported here applies to the following samples: Method: DAI BY GC/MS 8260SIM

JA58750-9, JA58750-10, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Result	RL	MDL	Units	Q
107-21-1	Ethylene Glycol	ND	0.25	0.079	mg/kg	

CAS No.	Surrogate Recoveries	Limits
111-27-3	Hexanol	128% 50-150%

5.12
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Method Blank Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-MB	X108254.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
75-05-8	Acetonitrile	ND	100	24	ug/kg	
107-02-8	Acrolein	ND	50	14	ug/kg	
107-13-1	Acrylonitrile	ND	50	0.82	ug/kg	
107-05-1	Allyl chloride	ND	5.0	0.86	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	0.40	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.22	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
71-36-3	n-Butyl Alcohol	ND	250	94	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
126-99-8	Chloroprene	ND	5.0	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
123-91-1	1,4-Dioxane	ND	130	86	ug/kg	

Method Blank Summary

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-MB	X108254.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Result	RL	MDL	Units	Q
106-89-8	Epichlorohydrin	ND	100	1.7	ug/kg	
141-78-6	Ethyl Acetate	ND	5.0	1.9	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	0.33	ug/kg	
97-63-2	Ethyl methacrylate	ND	10	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
110-54-3	Hexane	ND	5.0	0.15	ug/kg	
78-83-1	Isobutyl alcohol	ND	50	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
80-62-6	Methyl methacrylate	ND	10	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.18	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
79-46-9	2-Nitropropane	ND	10	1.2	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	5.0		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.32	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
108-05-4	Vinyl Acetate	ND	10	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 67-127%

Method Blank Summary

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-MB	X108254.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	106%	65-132%
2037-26-5	Toluene-D8	108%	74-129%
460-00-4	4-Bromofluorobenzene	109%	62-138%

5.1.3
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Method Blank Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-MB	X108301.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:**Method:** SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
75-05-8	Acetonitrile	ND	100	24	ug/kg	
107-02-8	Acrolein	ND	50	14	ug/kg	
107-13-1	Acrylonitrile	ND	50	0.82	ug/kg	
107-05-1	Allyl chloride	ND	5.0	0.86	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	0.40	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.22	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
71-36-3	n-Butyl Alcohol	ND	250	94	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
126-99-8	Chloroprene	ND	5.0	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
123-91-1	1,4-Dioxane	ND	130	86	ug/kg	

5.1.4
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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-MB	X108301.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	Result	RL	MDL	Units	Q
106-89-8	Epichlorohydrin	ND	100	1.7	ug/kg	
141-78-6	Ethyl Acetate	ND	5.0	1.9	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	0.33	ug/kg	
97-63-2	Ethyl methacrylate	ND	10	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
110-54-3	Hexane	ND	5.0	0.15	ug/kg	
78-83-1	Isobutyl alcohol	ND	50	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
80-62-6	Methyl methacrylate	ND	10	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.18	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
79-46-9	2-Nitropropane	ND	10	1.2	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
108-70-3	1,3,5-Trichlorobenzene	ND	5.0		ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.32	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
108-05-4	Vinyl Acetate	ND	10	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	103% 67-127%

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-MB	X108301.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Surrogate Recoveries	Limits
17060-07-0	1,2-Dichloroethane-D4	118% 65-132%
2037-26-5	Toluene-D8	114% 74-129%
460-00-4	4-Bromofluorobenzene	115% 62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
EH4373-BS	H100538.D	1	10/25/10	KLS	n/a	n/a	EH4373

The QC reported here applies to the following samples:

Method: DAI BY GC/MS 8260SIM

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
107-21-1	Ethylene Glycol	5	2.8	56	39-120

CAS No.	Surrogate Recoveries	BSP	Limits
111-27-3	Hexanol	86% ^a	50-150%

(a) Surrogate added twice.

Blank Spike Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
EH4373-BS2	H100561.D	1	10/26/10	KLS	n/a	n/a	EH4373

The QC reported here applies to the following samples:**Method:** DAI BY GC/MS 8260SIM

JA58750-9, JA58750-10, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
107-21-1	Ethylene Glycol	5	3.6	72	39-120

CAS No.	Surrogate Recoveries	BSP	Limits
111-27-3	Hexanol	124%	50-150%

5.2.2

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-BS	X108255.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:**Method:** SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	41.0	82	45-168
75-05-8	Acetonitrile	500	419	84	60-143
107-02-8	Acrolein	500	538	108	20-198
107-13-1	Acrylonitrile	250	205	82	61-140
107-05-1	Allyl chloride	50	47.0	94	60-141
71-43-2	Benzene	50	47.9	96	78-120
100-44-7	Benzyl Chloride		53.7		50-150 ^a
74-97-5	Bromochloromethane	50	51.3	103	76-123
75-27-4	Bromodichloromethane	50	56.5	113	76-129
75-25-2	Bromoform	50	57.4	115	70-141
74-83-9	Bromomethane	50	40.1	80	57-142
78-93-3	2-Butanone (MEK)	50	47.2	94	59-140
71-36-3	n-Butyl Alcohol	2500	2600	104	58-145
104-51-8	n-Butylbenzene	50	53.8	108	64-129
135-98-8	sec-Butylbenzene	50	50.2	100	73-123
98-06-6	tert-Butylbenzene	50	50.7	101	71-128
75-15-0	Carbon disulfide	50	46.1	92	64-140
56-23-5	Carbon tetrachloride	50	58.2	116	66-151
108-90-7	Chlorobenzene	50	51.2	102	80-117
75-00-3	Chloroethane	50	36.9	74	60-142
67-66-3	Chloroform	50	49.0	98	75-122
74-87-3	Chloromethane	50	41.7	83	56-140
126-99-8	Chloroprene	50	54.0	108	69-139
95-49-8	o-Chlorotoluene	50	51.0	102	72-123
96-12-8	1,2-Dibromo-3-chloropropane	50	53.0	106	65-136
124-48-1	Dibromochloromethane	50	54.5	109	76-136
106-93-4	1,2-Dibromoethane	50	52.9	106	81-124
75-34-3	1,1-Dichloroethane	50	47.0	94	73-124
107-06-2	1,2-Dichloroethane	50	56.0	112	75-137
75-35-4	1,1-Dichloroethene	50	45.4	91	66-130
156-59-2	cis-1,2-Dichloroethene	50	45.1	90	73-121
156-60-5	trans-1,2-Dichloroethene	50	42.6	85	74-123
78-87-5	1,2-Dichloropropane	50	50.9	102	78-121
10061-01-5	cis-1,3-Dichloropropene	50	53.4	107	81-124
10061-02-6	trans-1,3-Dichloropropene	50	53.1	106	78-130
123-91-1	1,4-Dioxane	1250	1370	110	54-157

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-BS	X108255.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
106-89-8	Epichlorohydrin	250	180	72	62-138
141-78-6	Ethyl Acetate	50	48.8	98	60-140
60-29-7	Ethyl Ether	50	49.8	100	69-130
97-63-2	Ethyl methacrylate	50	47.4	95	72-128
100-41-4	Ethylbenzene	50	47.8	96	81-121
110-54-3	Hexane	50	46.3	93	52-144
78-83-1	Isobutyl alcohol	500	539	108	55-150
98-82-8	Isopropylbenzene	50	48.4	97	67-136
79-20-9	Methyl Acetate	50	39.6	79	59-149
1634-04-4	Methyl Tert Butyl Ether	100	87.9	88	75-124
80-62-6	Methyl methacrylate	50	48.0	96	70-134
108-10-1	4-Methyl-2-pentanone(MIBK)	50	51.5	103	64-142
74-95-3	Methylene bromide	50	57.9	116	79-126
75-09-2	Methylene chloride	50	45.4	91	69-123
79-46-9	2-Nitropropane	50	95.6	191* b	45-167
103-65-1	n-Propylbenzene	50	45.9	92	74-125
100-42-5	Styrene	50	47.8	96	79-127
630-20-6	1,1,1,2-Tetrachloroethane	50	53.8	108	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	50.5	101	71-123
127-18-4	Tetrachloroethene	50	54.1	108	73-134
108-88-3	Toluene	50	49.0	98	79-122
108-70-3	1,3,5-Trichlorobenzene	50	55.7	111	70-130
71-55-6	1,1,1-Trichloroethane	50	51.8	104	72-136
79-00-5	1,1,2-Trichloroethane	50	53.3	107	76-123
79-01-6	Trichloroethene	50	55.5	111	80-124
96-18-4	1,2,3-Trichloropropane	50	48.7	97	69-121
95-63-6	1,2,4-Trimethylbenzene	50	48.9	98	75-122
108-67-8	1,3,5-Trimethylbenzene	50	47.9	96	73-124
108-05-4	Vinyl Acetate	50	62.5	125	58-131
75-01-4	Vinyl chloride	50	43.2	86	59-145
1330-20-7	Xylene (total)	150	147	98	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	67-127%

Blank Spike Summary

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4575-BS	X108255.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	65-132%
2037-26-5	Toluene-D8	107%	74-129%
460-00-4	4-Bromofluorobenzene	108%	62-138%

(a) Advisory control limits.

(b) Outside control limits. No associated sample required/reported for this compound.

5.2.3

5

Blank Spike Summary

Page 1 of 3

Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-BS	X108302.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	60.4	121	45-168
75-05-8	Acetonitrile	500	555	111	60-143
107-02-8	Acrolein	500	522	104	20-198
107-13-1	Acrylonitrile	250	262	105	61-140
107-05-1	Allyl chloride	50	52.3	105	60-141
71-43-2	Benzene	50	46.8	94	78-120
100-44-7	Benzyl Chloride		55.9		50-150 ^a
74-97-5	Bromochloromethane	50	52.1	104	76-123
75-27-4	Bromodichloromethane	50	57.1	114	76-129
75-25-2	Bromoform	50	54.2	108	70-141
74-83-9	Bromomethane	50	36.3	73	57-142
78-93-3	2-Butanone (MEK)	50	58.8	118	59-140
71-36-3	n-Butyl Alcohol	2500	2840	114	58-145
104-51-8	n-Butylbenzene	50	53.7	107	64-129
135-98-8	sec-Butylbenzene	50	48.9	98	73-123
98-06-6	tert-Butylbenzene	50	49.0	98	71-128
75-15-0	Carbon disulfide	50	47.5	95	64-140
56-23-5	Carbon tetrachloride	50	56.6	113	66-151
108-90-7	Chlorobenzene	50	47.7	95	80-117
75-00-3	Chloroethane	50	37.5	75	60-142
67-66-3	Chloroform	50	52.9	106	75-122
74-87-3	Chloromethane	50	41.1	82	56-140
126-99-8	Chloroprene	50	57.0	114	69-139
95-49-8	o-Chlorotoluene	50	48.2	96	72-123
96-12-8	1,2-Dibromo-3-chloropropane	50	60.9	122	65-136
124-48-1	Dibromochloromethane	50	49.7	99	76-136
106-93-4	1,2-Dibromoethane	50	50.3	101	81-124
75-34-3	1,1-Dichloroethane	50	52.4	105	73-124
107-06-2	1,2-Dichloroethane	50	58.9	118	75-137
75-35-4	1,1-Dichloroethene	50	47.6	95	66-130
156-59-2	cis-1,2-Dichloroethene	50	51.8	104	73-121
156-60-5	trans-1,2-Dichloroethene	50	38.3	77	74-123
78-87-5	1,2-Dichloropropane	50	53.3	107	78-121
10061-01-5	cis-1,3-Dichloropropene	50	54.1	108	81-124
10061-02-6	trans-1,3-Dichloropropene	50	56.2	112	78-130
123-91-1	1,4-Dioxane	1250	1100	88	54-157

Blank Spike Summary

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-BS	X108302.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
106-89-8	Epichlorohydrin	250	242	97	62-138
141-78-6	Ethyl Acetate	50	54.9	110	60-140
60-29-7	Ethyl Ether	50	55.1	110	69-130
97-63-2	Ethyl methacrylate	50	54.8	110	72-128
100-41-4	Ethylbenzene	50	45.1	90	81-121
110-54-3	Hexane	50	40.6	81	52-144
78-83-1	Isobutyl alcohol	500	466	93	55-150
98-82-8	Isopropylbenzene	50	47.6	95	67-136
79-20-9	Methyl Acetate	50	45.6	91	59-149
1634-04-4	Methyl Tert Butyl Ether	100	103	103	75-124
80-62-6	Methyl methacrylate	50	52.6	105	70-134
108-10-1	4-Methyl-2-pentanone(MIBK)	50	61.7	123	64-142
74-95-3	Methylene bromide	50	57.1	114	79-126
75-09-2	Methylene chloride	50	48.4	97	69-123
79-46-9	2-Nitropropane	50	71.2	142	45-167
103-65-1	n-Propylbenzene	50	44.8	90	74-125
100-42-5	Styrene	50	45.0	90	79-127
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	80-128
79-34-5	1,1,2,2-Tetrachloroethane	50	53.3	107	71-123
127-18-4	Tetrachloroethene	50	44.6	89	73-134
108-88-3	Toluene	50	47.2	94	79-122
108-70-3	1,3,5-Trichlorobenzene	50	52.8	106	70-130
71-55-6	1,1,1-Trichloroethane	50	54.2	108	72-136
79-00-5	1,1,2-Trichloroethane	50	55.7	111	76-123
79-01-6	Trichloroethene	50	50.0	100	80-124
96-18-4	1,2,3-Trichloropropane	50	53.1	106	69-121
95-63-6	1,2,4-Trimethylbenzene	50	48.4	97	75-122
108-67-8	1,3,5-Trimethylbenzene	50	47.9	96	73-124
108-05-4	Vinyl Acetate	50	67.5	135* b	58-131
75-01-4	Vinyl chloride	50	40.5	81	59-145
1330-20-7	Xylene (total)	150	136	91	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	67-127%

Blank Spike Summary

Page 3 of 3

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4577-BS	X108302.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	116%	65-132%
2037-26-5	Toluene-D8	112%	74-129%
460-00-4	4-Bromofluorobenzene	111%	62-138%

(a) Advisory control limits.

(b) Outside control limits. No associated sample required/reported for this compound.

5.2.4
5

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58750-11MS	H100539.D	1	10/25/10	KLS	n/a	n/a	EH4373
JA58750-11MSD	H100540.D	1	10/25/10	KLS	n/a	n/a	EH4373
JA58750-11	H100541.D	1	10/25/10	KLS	n/a	n/a	EH4373

The QC reported here applies to the following samples:

Method: DAI BY GC/MS 8260SIM

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	JA58750-11 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
107-21-1	Ethylene Glycol	ND	5.910	1.88	32* a	1.70	29* a	10	39-156/57

CAS No.	Surrogate Recoveries	MS	MSD	JA58750-11	Limits
111-27-3	Hexanol	97%	91%	88%	50-150%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58750-11MS	X108256.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11MSD	X108257.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11	X108259.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:**Method:** SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	JA58750-11 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	27.2	61.0	224* a	61.7	227* a	1	26-178/32
75-05-8	Acetonitrile	ND	272	202	74	203	75	0	32-149/31
107-02-8	Acrolein	ND	272	202	74	209	77	3	1-182/41
107-13-1	Acrylonitrile	ND	136	101	74	97.5	72	4	37-147/26
107-05-1	Allyl chloride	ND	27.2	14.4	53	16.7	61	15	22-159/29
71-43-2	Benzene	ND	27.2	16.0	59	17.6	65	10	41-136/24
100-44-7	Benzyl Chloride	ND		26.8		21.8		21	-/28
74-97-5	Bromochloromethane	ND	27.2	18.3	67	19.1	70	4	45-135/23
75-27-4	Bromodichloromethane	ND	27.2	20.7	76	21.9	80	6	37-150/23
75-25-2	Bromoform	ND	27.2	25.5	94	24.6	90	4	31-153/24
74-83-9	Bromomethane	ND	27.2	15.0	55	16.7	61	11	4-154/32
78-93-3	2-Butanone (MEK)	ND	27.2	43.9	161* a	44.1	162* a	0	32-159/28
71-36-3	n-Butyl Alcohol	ND	1360	1260	93	1190	87	6	21-154/35
104-51-8	n-Butylbenzene	ND	27.2	17.6	65	17.3	64	2	4-165/35
135-98-8	sec-Butylbenzene	ND	27.2	24.9	91	20.2	74	21	10-161/32
98-06-6	tert-Butylbenzene	ND	27.2	27.0	99	21.3	78	24	14-161/30
75-15-0	Carbon disulfide	ND	27.2	12.3	45	13.4	49	9	27-148/28
56-23-5	Carbon tetrachloride	ND	27.2	19.5	72	22.0	81	12	27-165/26
108-90-7	Chlorobenzene	ND	27.2	15.7	58	17.0	62	8	33-140/26
75-00-3	Chloroethane	ND	27.2	16.8	62	19.4	71	14	5-151/33
67-66-3	Chloroform	ND	27.2	17.1	63	18.8	69	9	44-135/24
74-87-3	Chloromethane	ND	27.2	15.4	57	17.3	64	12	27-149/27
126-99-8	Chloroprene	ND	27.2	14.3	53	19.0	70	28* a	26-159/27
95-49-8	o-Chlorotoluene	ND	27.2	24.0	88	19.6	72	20	16-156/31
96-12-8	1,2-Dibromo-3-chloropropane	ND	27.2	39.5	145	28.1	103	34* a	24-154/27
124-48-1	Dibromochloromethane	ND	27.2	22.9	84	22.2	82	3	35-154/23
106-93-4	1,2-Dibromoethane	ND	27.2	19.3	71	19.3	71	0	41-140/23
75-34-3	1,1-Dichloroethane	ND	27.2	16.1	59	18.2	67	12	45-135/24
107-06-2	1,2-Dichloroethane	ND	27.2	21.0	77	21.7	80	3	44-143/23
75-35-4	1,1-Dichloroethene	ND	27.2	13.9	51	16.0	59	14	32-149/26
156-59-2	cis-1,2-Dichloroethene	ND	27.2	13.8	51	15.3	56	10	42-135/25
156-60-5	trans-1,2-Dichloroethene	ND	27.2	10.8	40	13.0	48	18	37-140/25
78-87-5	1,2-Dichloropropane	ND	27.2	18.8	69	20.1	74	7	45-136/23
10061-01-5	cis-1,3-Dichloropropene	ND	27.2	15.8	58	17.4	64	10	37-143/26
10061-02-6	trans-1,3-Dichloropropene	ND	27.2	13.1	48	15.4	57	16	34-148/26
123-91-1	1,4-Dioxane	ND	680	518	76	517	76	0	36-170/33

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58750-11MS	X108256.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11MSD	X108257.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11	X108259.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	JA58750-11 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-89-8	Epichlorohydrin	ND	136	74.2	55	76.6	56	3	26-163/26
141-78-6	Ethyl Acetate	ND	27.2	23.2	85	22.0	81	5	22-157/33
60-29-7	Ethyl Ether	ND	27.2	21.0	77	21.6	79	3	43-134/23
97-63-2	Ethyl methacrylate	ND	27.2	20.9	77	21.0	77	0	21-158/32
100-41-4	Ethylbenzene	ND	27.2	15.8	58	16.9	62	7	28-147/27
110-54-3	Hexane	ND	27.2	9.7	36	14.2	52	38* a	4-166/31
78-83-1	Isobutyl alcohol	ND	272	129	47	152	56	16	33-146/29
98-82-8	Isopropylbenzene	ND	27.2	24.3	89	19.7	72	21	19-157/30
79-20-9	Methyl Acetate	ND	27.2	19.7	72	19.3	71	2	40-177/29
1634-04-4	Methyl Tert Butyl Ether	ND	54.4	40.1	74	41.4	76	3	48-135/22
80-62-6	Methyl methacrylate	ND	27.2	21.5	79	21.4	79	0	37-157/26
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	27.2	30.1	111	29.8	109	1	31-158/26
74-95-3	Methylene bromide	ND	27.2	20.3	75	20.9	77	3	46-137/22
75-09-2	Methylene chloride	ND	27.2	16.0	59	16.8	62	5	39-138/24
79-46-9	2-Nitropropane	ND	27.2	55.5	204* a	50.6	186* a	9	9-183/29
103-65-1	n-Propylbenzene	ND	27.2	19.0	70	17.0	62	11	13-158/31
100-42-5	Styrene	ND	27.2	13.8	51	15.5	57	12	23-156/29
630-20-6	1,1,1,2-Tetrachloroethane	ND	27.2	22.7	83	22.8	84	0	36-147/24
79-34-5	1,1,2,2-Tetrachloroethane	ND	27.2	35.6	131	25.9	95	32* a	35-136/25
127-18-4	Tetrachloroethene	ND	27.2	17.4	64	19.3	71	10	27-164/28
108-88-3	Toluene	ND	27.2	15.2	56	16.8	62	10	32-145/26
108-70-3	1,3,5-Trichlorobenzene	ND	27.2	22.6	83	19.1	70	17	60-140/30
71-55-6	1,1,1-Trichloroethane	ND	27.2	17.2	63	19.5	72	13	36-150/24
79-00-5	1,1,2-Trichloroethane	ND	27.2	22.4	82	22.4	82	0	37-147/23
79-01-6	Trichloroethene	ND	27.2	15.2	56	17.9	66	16	34-149/25
96-18-4	1,2,3-Trichloropropane	ND	27.2	37.3	137	26.5	97	34* a	38-143/23
95-63-6	1,2,4-Trimethylbenzene	ND	27.2	23.9	88	19.3	71	21	13-158/36
108-67-8	1,3,5-Trimethylbenzene	ND	27.2	25.1	92	19.8	73	24	15-157/30
108-05-4	Vinyl Acetate	ND	27.2	25.2	93	24.6	90	2	20-144/35
75-01-4	Vinyl chloride	ND	27.2	14.5	53	17.4	64	18	29-152/26
1330-20-7	Xylene (total)	ND	81.7	49.3	60	52.9	65	7	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA58750-11	Limits
1868-53-7	Dibromofluoromethane	100%	99%	93%	67-127%

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58750-11MS	X108256.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11MSD	X108257.D	1	10/23/10	JTP	n/a	n/a	VX4575
JA58750-11	X108259.D	1	10/23/10	JTP	n/a	n/a	VX4575

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-11, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Surrogate Recoveries	MS	MSD	JA58750-11	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	102%	95%	65-132%
2037-26-5	Toluene-D8	107%	106%	106%	74-129%
460-00-4	4-Bromofluorobenzene	127%	107%	134%	62-138%

(a) Outside control limits due to matrix interference.

5.3.2

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA59318-2MS	X108303.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2MSD	X108304.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2	X108306.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	JA59318-2 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		63.5	149	235* a	126	198* a	17	26-178/32
75-05-8	Acetonitrile	ND		635	721	114	641	101	12	32-149/31
107-02-8	Acrolein	ND		635	541	85	554	87	2	1-182/41
107-13-1	Acrylonitrile	ND		317	346	109	303	95	13	37-147/26
107-05-1	Allyl chloride	ND		63.5	61.8	97	59.0	93	5	22-159/29
71-43-2	Benzene	ND		63.5	59.2	93	58.9	93	1	41-136/24
100-44-7	Benzyl Chloride	ND			72.1		65.1		10	-/28
74-97-5	Bromochloromethane	ND		63.5	63.3	100	58.1	92	9	45-135/23
75-27-4	Bromodichloromethane	ND		63.5	69.0	109	66.4	105	4	37-150/23
75-25-2	Bromoform	ND		63.5	67.1	106	62.0	98	8	31-153/24
74-83-9	Bromomethane	ND		63.5	47.2	74	45.7	72	3	4-154/32
78-93-3	2-Butanone (MEK)	ND		63.5	105	165* a	84.7	133	21	32-159/28
71-36-3	n-Butyl Alcohol	ND		3170	4160	131	3690	116	12	21-154/35
104-51-8	n-Butylbenzene	ND		63.5	63.4	100	59.7	94	6	4-165/35
135-98-8	sec-Butylbenzene	0.94	J	63.5	58.4	90	56.5	88	3	10-161/32
98-06-6	tert-Butylbenzene	ND		63.5	58.7	92	56.6	89	4	14-161/30
75-15-0	Carbon disulfide	ND		63.5	59.9	94	59.1	93	1	27-148/28
56-23-5	Carbon tetrachloride	ND		63.5	68.6	108	68.4	108	0	27-165/26
108-90-7	Chlorobenzene	ND		63.5	58.8	93	56.9	90	3	33-140/26
75-00-3	Chloroethane	ND		63.5	46.9	74	58.7	92	22	5-151/33
67-66-3	Chloroform	ND		63.5	64.6	102	62.7	99	3	44-135/24
74-87-3	Chloromethane	ND		63.5	57.4	90	53.1	84	8	27-149/27
126-99-8	Chloroprene	ND		63.5	70.3	111	69.0	109	2	26-159/27
95-49-8	o-Chlorotoluene	ND		63.5	57.4	90	56.0	88	2	16-156/31
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.5	78.7	124	69.3	109	13	24-154/27
124-48-1	Dibromochloromethane	ND		63.5	62.3	98	58.3	92	7	35-154/23
106-93-4	1,2-Dibromoethane	ND		63.5	62.9	99	58.5	92	7	41-140/23
75-34-3	1,1-Dichloroethane	ND		63.5	63.5	100	62.9	99	1	45-135/24
107-06-2	1,2-Dichloroethane	ND		63.5	73.8	116	69.9	110	5	44-143/23
75-35-4	1,1-Dichloroethene	ND		63.5	57.7	91	56.8	89	2	32-149/26
156-59-2	cis-1,2-Dichloroethene	ND		63.5	57.7	91	55.0	87	5	42-135/25
156-60-5	trans-1,2-Dichloroethene	ND		63.5	53.6	84	52.2	82	3	37-140/25
78-87-5	1,2-Dichloropropane	ND		63.5	64.7	102	63.0	99	3	45-136/23
10061-01-5	cis-1,3-Dichloropropene	ND		63.5	67.0	106	63.9	101	5	37-143/26
10061-02-6	trans-1,3-Dichloropropene	ND		63.5	69.1	109	64.8	102	6	34-148/26
123-91-1	1,4-Dioxane	ND		1590	1320	83	1440	91	9	36-170/33

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA59318-2MS	X108303.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2MSD	X108304.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2	X108306.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Compound	JA59318-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-89-8	Epichlorohydrin	ND		317	325	102	295	93	10	26-163/26
141-78-6	Ethyl Acetate	ND		63.5	77.5	122	64.3	101	19	22-157/33
60-29-7	Ethyl Ether	ND		63.5	70.8	112	62.2	98	13	43-134/23
97-63-2	Ethyl methacrylate	ND		63.5	69.4	109	61.9	97	11	21-158/32
100-41-4	Ethylbenzene	1.3		63.5	59.6	92	58.2	90	2	28-147/27
110-54-3	Hexane	ND		63.5	48.9	77	44.9	71	9	4-166/31
78-83-1	Isobutyl alcohol	ND		635	558	88	552	87	1	33-146/29
98-82-8	Isopropylbenzene	0.83	J	63.5	57.0	88	56.8	88	0	19-157/30
79-20-9	Methyl Acetate	ND		63.5	61.6	97	52.6	83	16	40-177/29
1634-04-4	Methyl Tert Butyl Ether	ND		127	130	102	117	92	11	48-135/22
80-62-6	Methyl methacrylate	ND		63.5	70.4	111	61.0	96	14	37-157/26
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		63.5	82.4	130	70.5	111	16	31-158/26
74-95-3	Methylene bromide	ND		63.5	71.0	112	65.0	102	9	46-137/22
75-09-2	Methylene chloride	ND		63.5	59.1	93	56.1	88	5	39-138/24
79-46-9	2-Nitropropane	ND		63.5	92.7	146	76.4	120	19	9-183/29
103-65-1	n-Propylbenzene	3.4	J	63.5	56.5	84	55.9	83	1	13-158/31
100-42-5	Styrene	ND		63.5	56.1	88	54.0	85	4	23-156/29
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.5	61.3	97	59.2	93	3	36-147/24
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.5	67.6	106	61.9	97	9	35-136/25
127-18-4	Tetrachloroethene	ND		63.5	56.4	89	55.3	87	2	27-164/28
108-88-3	Toluene	2.3		63.5	58.6	89	57.7	87	2	32-145/26
108-70-3	1,3,5-Trichlorobenzene	ND		63.5	61.9	97	56.0	88	10	60-140/30
71-55-6	1,1,1-Trichloroethane	ND		63.5	67.3	106	66.7	105	1	36-150/24
79-00-5	1,1,2-Trichloroethane	ND		63.5	67.8	107	63.3	100	7	37-147/23
79-01-6	Trichloroethene	ND		63.5	61.6	97	61.7	97	0	34-149/25
96-18-4	1,2,3-Trichloropropane	ND		63.5	68.4	108	62.4	98	9	38-143/23
95-63-6	1,2,4-Trimethylbenzene	5.5	J	63.5	60.8	87	59.0	84	3	13-158/36
108-67-8	1,3,5-Trimethylbenzene	1.7	J	63.5	57.7	88	56.4	86	2	15-157/30
108-05-4	Vinyl Acetate	ND		63.5	89.3	141	77.6	122	14	20-144/35
75-01-4	Vinyl chloride	ND		63.5	54.8	86	52.0	82	5	29-152/26
1330-20-7	Xylene (total)	1.3	J	190	168	88	164	85	2	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA59318-2	Limits
1868-53-7	Dibromofluoromethane	108%	103%	101%	67-127%

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA59318-2MS	X108303.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2MSD	X108304.D	1	10/25/10	JTP	n/a	n/a	VX4577
JA59318-2	X108306.D	1	10/25/10	JTP	n/a	n/a	VX4577

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58750-10, JA58750-12, JA58750-13, JA58750-14

CAS No.	Surrogate Recoveries	MS	MSD	JA59318-2	Limits
17060-07-0	1,2-Dichloroethane-D4	119%	113%	114%	65-132%
2037-26-5	Toluene-D8	111%	111%	112%	74-129%
460-00-4	4-Bromofluorobenzene	109%	111%	116%	62-138%

(a) Outside control limits due to matrix interference.

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JA58750**Account:** ENSRMAA AECOM, INC.**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA**Sample:** VX4516-BFB**Injection Date:** 09/14/10**Lab File ID:** X106943.D**Injection Time:** 08:52**Instrument ID:** GCMSX

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	6740	18.1	Pass
75	30.0 - 60.0% of mass 95	17354	46.5	Pass
95	Base peak, 100% relative abundance	37320	100.0	Pass
96	5.0 - 9.0% of mass 95	2449	6.56	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	31936	85.6	Pass
175	5.0 - 9.0% of mass 174	2469	6.62 (7.73) ^a	Pass
176	95.0 - 101.0% of mass 174	31277	83.8 (97.9) ^a	Pass
177	5.0 - 9.0% of mass 176	2136	5.72 (6.83) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4516-IC4516	X106944.D	09/14/10	09:27	00:35	Initial cal 1
VX4516-IC4516	X106945.D	09/14/10	10:06	01:14	Initial cal 5
VX4516-IC4516	X106946.D	09/14/10	10:45	01:53	Initial cal 2
VX4516-IC4516	X106947.D	09/14/10	11:16	02:24	Initial cal 0.5
VX4516-IC4516	X106948.D	09/14/10	11:45	02:53	Initial cal 10
VX4516-IC4516	X106949.D	09/14/10	12:14	03:22	Initial cal 20
VX4516-ICC4516	X106950.D	09/14/10	12:44	03:52	Initial cal 50
VX4516-ICV4516	X106951.D	09/14/10	13:14	04:22	Initial cal verification 50
VX4516-IC4516	X106952.D	09/14/10	13:43	04:51	Initial cal 100
VX4516-IC4516	X106953.D	09/14/10	14:12	05:20	Initial cal 200

5.4.1
5

Instrument Performance Check (BFB)

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4575-BFB

Injection Date: 10/23/10

Lab File ID: X108251.D

Injection Time: 13:46

Instrument ID: GCMSX

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	12333	18.4	Pass
75	30.0 - 60.0% of mass 95	31634	47.1	Pass
95	Base peak, 100% relative abundance	67208	100.0	Pass
96	5.0 - 9.0% of mass 95	4561	6.79	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	55330	82.3	Pass
175	5.0 - 9.0% of mass 174	4938	7.35 (8.92) ^a	Pass
176	95.0 - 101.0% of mass 174	54266	80.7 (98.1) ^a	Pass
177	5.0 - 9.0% of mass 176	3687	5.49 (6.79) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4575-CC4516	X108253.D	10/23/10	15:24	01:38	Continuing cal 20
VX4575-MB	X108254.D	10/23/10	16:12	02:26	Method Blank
VX4575-BS	X108255.D	10/23/10	16:50	03:04	Blank Spike
JA58750-11MS	X108256.D	10/23/10	17:29	03:43	Matrix Spike
JA58750-11MSD	X108257.D	10/23/10	17:59	04:13	Matrix Spike Duplicate
JA58750-11	X108259.D	10/23/10	18:57	05:11	BBNP-CW5-C
ZZZZZZ	X108259T.D	10/23/10	18:57	05:11	(unrelated sample)
JA58750-15	X108260.D	10/23/10	19:26	05:40	BBNP-CW17-C
ZZZZZZ	X108260T.D	10/23/10	19:26	05:40	(unrelated sample)
JA58750-16	X108261.D	10/23/10	19:55	06:09	BBNP-CW20-C
ZZZZZZ	X108261T.D	10/23/10	19:55	06:09	(unrelated sample)
JA58750-17	X108262.D	10/23/10	20:25	06:39	BBNP-CW23-C
ZZZZZZ	X108262T.D	10/23/10	20:25	06:39	(unrelated sample)
JA58750-18	X108263.D	10/23/10	20:53	07:07	BBNP-CW20-C-FD
ZZZZZZ	X108263T.D	10/23/10	20:53	07:07	(unrelated sample)
JA58750-1	X108264.D	10/23/10	21:22	07:36	BBNP-CW1-C
ZZZZZZ	X108264T.D	10/23/10	21:22	07:36	(unrelated sample)
JA58750-2	X108265.D	10/23/10	21:52	08:06	BBNP-CW2-C
ZZZZZZ	X108265T.D	10/23/10	21:52	08:06	(unrelated sample)
JA58750-3	X108266.D	10/23/10	22:21	08:35	BBNP-CW3-C
ZZZZZZ	X108266T.D	10/23/10	22:21	08:35	(unrelated sample)
JA58750-4	X108267.D	10/23/10	22:50	09:04	BBNP-CW6-C
ZZZZZZ	X108267T.D	10/23/10	22:50	09:04	(unrelated sample)
JA58750-5	X108268.D	10/23/10	23:20	09:34	BBNP-CW9-C

Instrument Performance Check (BFB)

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Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4575-BFB

Injection Date: 10/23/10

Lab File ID: X108251.D

Injection Time: 13:46

Instrument ID: GCMSX

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	X108268T.D	10/23/10	23:20	09:34	(unrelated sample)
JA58750-6	X108269.D	10/23/10	23:48	10:02	BBNP-CW9-FD
ZZZZZZ	X108269T.D	10/23/10	23:48	10:02	(unrelated sample)
JA58750-7	X108270.D	10/24/10	00:18	10:32	BBNP-CW12-C
ZZZZZZ	X108270T.D	10/24/10	00:18	10:32	(unrelated sample)
JA58750-8	X108271.D	10/24/10	00:47	11:01	BBNP-CW15-C
ZZZZZZ	X108271T.D	10/24/10	00:47	11:01	(unrelated sample)
JA58750-9	X108272.D	10/24/10	01:16	11:30	BBNP-CW18-C
ZZZZZZ	X108272T.D	10/24/10	01:16	11:30	(unrelated sample)

5.4.2

5

Instrument Performance Check (BFB)

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4577-BFB

Injection Date: 10/25/10

Lab File ID: X108299.D

Injection Time: 12:25

Instrument ID: GCMSX

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11372	20.0	Pass
75	30.0 - 60.0% of mass 95	28176	49.5	Pass
95	Base peak, 100% relative abundance	56882	100.0	Pass
96	5.0 - 9.0% of mass 95	3769	6.63	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	44442	78.1	Pass
175	5.0 - 9.0% of mass 174	3618	6.36 (8.14) ^a	Pass
176	95.0 - 101.0% of mass 174	43362	76.2 (97.6) ^a	Pass
177	5.0 - 9.0% of mass 176	2755	4.84 (6.35) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4577-CC4516	X108300.D	10/25/10	13:00	00:35	Continuing cal 20
VX4577-MB	X108301.D	10/25/10	13:50	01:25	Method Blank
VX4577-BS	X108302.D	10/25/10	14:36	02:11	Blank Spike
JA59318-2MS	X108303.D	10/25/10	15:25	03:00	Matrix Spike
JA59318-2MSD	X108304.D	10/25/10	15:53	03:28	Matrix Spike Duplicate
JA59318-2	X108306.D	10/25/10	16:52	04:27	(used for QC only; not part of job JA58750)
ZZZZZZ	X108308.D	10/25/10	17:50	05:25	(unrelated sample)
JA58750-10	X108309.D	10/25/10	18:19	05:54	BBNP-CW21-C
ZZZZZZ	X108309T.D	10/25/10	18:19	05:54	(unrelated sample)
JA58750-12	X108310.D	10/25/10	18:48	06:23	BBNP-CW8-C
ZZZZZZ	X108310T.D	10/25/10	18:48	06:23	(unrelated sample)
JA58750-13	X108311.D	10/25/10	19:17	06:52	BBNP-CW11-C
ZZZZZZ	X108311T.D	10/25/10	19:17	06:52	(unrelated sample)
JA58750-14	X108312.D	10/25/10	19:47	07:22	BBNP-CW14-C
ZZZZZZ	X108312T.D	10/25/10	19:47	07:22	(unrelated sample)
JA58750-17	X108313.D	10/25/10	20:16	07:51	BBNP-CW23-C
ZZZZZZ	X108313T.D	10/25/10	20:16	07:51	(unrelated sample)
ZZZZZZ	X108314.D	10/25/10	20:45	08:20	(unrelated sample)
ZZZZZZ	X108315.D	10/25/10	21:14	08:49	(unrelated sample)
ZZZZZZ	X108316.D	10/25/10	21:43	09:18	(unrelated sample)
ZZZZZZ	X108317.D	10/25/10	22:13	09:48	(unrelated sample)
ZZZZZZ	X108318.D	10/25/10	22:42	10:17	(unrelated sample)
ZZZZZZ	X108319.D	10/25/10	23:11	10:46	(unrelated sample)
ZZZZZZ	X108320.D	10/25/10	23:41	11:16	(unrelated sample)

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4578-BFB

Injection Date: 10/26/10

Lab File ID: X108322.D

Injection Time: 00:10

Instrument ID: GCMSX

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11006	22.0	Pass
75	30.0 - 60.0% of mass 95	25914	51.7	Pass
95	Base peak, 100% relative abundance	50106	100.0	Pass
96	5.0 - 9.0% of mass 95	3378	6.74	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	37168	74.2	Pass
175	5.0 - 9.0% of mass 174	3036	6.06 (8.17) ^a	Pass
176	95.0 - 101.0% of mass 174	36176	72.2 (97.3) ^a	Pass
177	5.0 - 9.0% of mass 176	2674	5.34 (7.39) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4578-CC4516	X108323.D	10/26/10	00:39	00:29	Continuing cal 50
VX4578-MB	X108325.D	10/26/10	01:37	01:27	Method Blank
VX4578-BS	X108326.D	10/26/10	02:06	01:56	Blank Spike
JA59307-15	X108330.D	10/26/10	03:05	02:55	(used for QC only; not part of job JA58750)
ZZZZZZ	X108332.D	10/26/10	04:04	03:54	(unrelated sample)
ZZZZZZ	X108333.D	10/26/10	04:32	04:22	(unrelated sample)
ZZZZZZ	X108334.D	10/26/10	05:01	04:51	(unrelated sample)
ZZZZZZ	X108335.D	10/26/10	05:31	05:21	(unrelated sample)
ZZZZZZ	X108336.D	10/26/10	06:00	05:50	(unrelated sample)
ZZZZZZ	X108337.D	10/26/10	06:29	06:19	(unrelated sample)
ZZZZZZ	X108338.D	10/26/10	06:58	06:48	(unrelated sample)
ZZZZZZ	X108339.D	10/26/10	07:28	07:18	(unrelated sample)
ZZZZZZ	X108340.D	10/26/10	07:57	07:47	(unrelated sample)
JA59307-15MS	X108341.D	10/26/10	09:13	09:03	Matrix Spike
JA59307-15MSD	X108342.D	10/26/10	09:41	09:31	Matrix Spike Duplicate
JA58750-13	X108344.D	10/26/10	10:40	10:30	BBNP-CW11-C

Volatile Internal Standard Area Summary

Page 1 of 2

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: VX4575-CC4516

Injection Date: 10/23/10

Lab File ID: X108253.D

Injection Time: 15:24

Instrument ID: GCMSX

Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	79116	7.33	194387	10.04	266346	11.20	257817	15.42	127825	18.19
Upper Limit ^a	158232	7.83	388774	10.54	532692	11.70	515634	15.92	255650	18.69
Lower Limit ^b	39558	6.83	97194	9.54	133173	10.70	128909	14.92	63913	17.69

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VX4575-MB	85342	7.34	199564	10.03	267327	11.19	257781	15.42	128524	18.19
VX4575-BS	64399	7.34	196487	10.04	270327	11.20	257605	15.42	124696	18.19
JA58750-11MS	73702	7.33	178054	10.04	246140	11.20	216019	15.42	74211	18.19
JA58750-11MSD	77776	7.34	198810	10.04	275652	11.20	255179	15.42	113348	18.19
JA58750-11	69311	7.35	198712	10.04	257367	11.20	218220	15.42	76471	18.19
ZZZZZZ	69311	7.35	198712	10.04	257367	11.20	218220	15.42	76471	18.19
JA58750-15	71542	7.33	205238	10.04	271790	11.20	249616	15.42	111815	18.19
ZZZZZZ	71542	7.33	205238	10.04	271790	11.20	249616	15.42	111815	18.19
JA58750-16	67692	7.35	212558	10.04	280592	11.20	261996	15.42	129805	18.19
ZZZZZZ	67692	7.35	212558	10.04	280592	11.20	261996	15.42	129805	18.19
JA58750-17	73419	7.33	195311	10.04	256953	11.20	214303	15.42	66701	18.19
ZZZZZZ	73419	7.33	195311	10.04	256953	11.20	214303	15.42	66701	18.19
JA58750-18	93013	7.34	211844	10.04	285856	11.20	270819	15.42	131227	18.19
ZZZZZZ	93013	7.34	211844	10.04	285856	11.20	270819	15.42	131227	18.19
JA58750-1	55340	7.35	207104	10.03	273695	11.20	253230	15.42	124839	18.19
ZZZZZZ	55340	7.35	207104	10.03	273695	11.20	253230	15.42	124839	18.19
JA58750-2	75637	7.34	209862	10.04	276434	11.20	247507	15.42	112272	18.19
ZZZZZZ	75637	7.34	209862	10.04	276434	11.20	247507	15.42	112272	18.19
JA58750-3	76233	7.34	213879	10.03	284576	11.20	263970	15.42	116762	18.19
ZZZZZZ	76233	7.34	213879	10.03	284576	11.20	263970	15.42	116762	18.19
JA58750-4	71085	7.33	206297	10.03	273212	11.20	232279	15.42	76740	18.19
ZZZZZZ	71085	7.33	206297	10.03	273212	11.20	232279	15.42	76740	18.19
JA58750-5	67207	7.34	209597	10.03	278148	11.20	252391	15.42	109348	18.19
ZZZZZZ	67207	7.34	209597	10.03	278148	11.20	252391	15.42	109348	18.19
JA58750-6	72068	7.36	202170	10.04	268382	11.20	245960	15.42	112386	18.19
ZZZZZZ	72068	7.36	202170	10.04	268382	11.20	245960	15.42	112386	18.19
JA58750-7	73146	7.33	200877	10.04	266193	11.20	242637	15.42	104253	18.19
ZZZZZZ	73146	7.33	200877	10.04	266193	11.20	242637	15.42	104253	18.19
JA58750-8	89518	7.34	204088	10.04	275716	11.20	269975	15.42	125913	18.19
ZZZZZZ	89518	7.34	204088	10.04	275716	11.20	269975	15.42	125913	18.19
JA58750-9	72403	7.33	208616	10.03	279430	11.20	262614	15.42	119438	18.19
ZZZZZZ	72403	7.33	208616	10.03	279430	11.20	262614	15.42	119438	18.19

IS 1 = Tert Butyl Alcohol-D9

IS 2 = Pentafluorobenzene

Volatile Internal Standard Area Summary

Page 2 of 2

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: VX4575-CC4516

Injection Date: 10/23/10

Lab File ID: X108253.D

Injection Time: 15:24

Instrument ID: GCMSX

Method: SW846 8260B

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
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IS 2 = 1,4-Difluorobenzene

IS 4 = Chlorobenzene-D5

IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.5.1

5

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: VX4577-CC4516	Injection Date: 10/25/10
Lab File ID: X108300.D	Injection Time: 13:00
Instrument ID: GCMSX	Method: SW846 8260B

	IS 1		IS 2		IS 3		IS 4		IS 5	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	62973	7.34	123238	10.04	182182	11.20	182079	15.42	85639	18.20
Upper Limit ^a	125946	7.84	246476	10.54	364364	11.70	364158	15.92	171278	18.70
Lower Limit ^b	31487	6.84	61619	9.54	91091	10.70	91040	14.92	42820	17.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VX4577-MB	61749	7.36	129485	10.05	185899	11.22	181260	15.43	86569	18.20
VX4577-BS	52570	7.35	119054	10.05	176161	11.21	178002	15.43	83454	18.20
JA59318-2MS	61999	7.34	121812	10.05	181530	11.21	180111	15.43	85545	18.20
JA59318-2MSD	52285	7.36	126096	10.05	184439	11.22	181376	15.43	84928	18.20
JA59318-2	61726	7.36	134270	10.05	187532	11.22	180669	15.43	87775	18.20
ZZZZZZ	55770	7.35	134253	10.05	190200	11.22	181837	15.43	85586	18.20
JA58750-10	54144	7.35	133556	10.05	187667	11.22	171843	15.43	63310	18.21
ZZZZZZ	54144	7.35	133556	10.05	187667	11.22	171843	15.43	63310	18.21
JA58750-12	56784	7.36	140261	10.05	195837	11.22	184042	15.43	73952	18.20
ZZZZZZ	56784	7.36	140261	10.05	195837	11.22	184042	15.43	73952	18.20
JA58750-13	56934	7.36	130205	10.05	187838	11.22	153042	15.43	37093*	18.20
ZZZZZZ	56934	7.36	130205	10.05	187838	11.22	153042	15.43	37093*	18.20
JA58750-14	62092	7.37	141405	10.05	200650	11.22	189618	15.43	81449	18.20
ZZZZZZ	62092	7.37	141405	10.05	200650	11.22	189618	15.43	81449	18.20
JA58750-17 ^c	54691	7.36	103208	10.05	139936	11.22	76549*	15.43	11224*	18.21
ZZZZZZ	54691	7.36	103208	10.05	139936	11.22	76549*	15.43	11224*	18.21
ZZZZZZ	58922	7.36	144435	10.05	206037	11.22	197431	15.43	92257	18.21
ZZZZZZ	60816	7.37	138785	10.05	198672	11.22	191072	15.43	90791	18.20
ZZZZZZ	54730	7.36	142271	10.05	202818	11.22	197418	15.43	93007	18.20
ZZZZZZ	57567	7.36	144640	10.05	205324	11.22	198563	15.43	93829	18.20
ZZZZZZ	54492	7.36	143701	10.05	204130	11.22	193017	15.43	86652	18.21
ZZZZZZ	43891	7.36	139849	10.05	200781	11.22	188610	15.43	74815	18.21
ZZZZZZ	58491	7.36	139020	10.05	198549	11.22	191902	15.43	81358	18.20

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) Confirmation run for surrogate recoveries.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std:	VX4578-CC4516	Injection Date:	10/26/10
Lab File ID:	X108323.D	Injection Time:	00:39
Instrument ID:	GCMSX	Method:	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	51295	7.37	128104	10.05	190145	11.22	188412	15.43	84963	18.20
Upper Limit ^a	102590	7.87	256208	10.55	380290	11.72	376824	15.93	169926	18.70
Lower Limit ^b	25648	6.87	64052	9.55	95073	10.72	94206	14.93	42482	17.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VX4578-MB	64406	7.35	138481	10.05	197880	11.22	191863	15.43	89961	18.20
VX4578-BS	50563	7.36	124050	10.05	183861	11.22	179313	15.43	83643	18.20
JA59307-15	61020	7.35	140630	10.05	197714	11.22	191911	15.43	91838	18.20
ZZZZZZ	58102	7.36	146315	10.05	209324	11.22	199676	15.43	94615	18.20
ZZZZZZ	58804	7.36	142895	10.05	204062	11.22	197784	15.43	93763	18.20
ZZZZZZ	62270	7.36	145825	10.05	210853	11.22	205156	15.43	94342	18.20
ZZZZZZ	61597	7.36	144869	10.05	205865	11.22	200679	15.43	93905	18.20
ZZZZZZ	66184	7.36	142050	10.05	204149	11.22	198690	15.43	92495	18.20
ZZZZZZ	57268	7.35	142872	10.05	206262	11.22	196744	15.43	88496	18.20
ZZZZZZ	69077	7.35	145004	10.05	205740	11.22	196204	15.43	86842	18.20
ZZZZZZ	41190	7.35	144836	10.05	206299	11.22	196973	15.43	78818	18.20
ZZZZZZ	45128	7.35	136873	10.04	197018	11.22	181693	15.43	74209	18.20
JA59307-15MS	60183	7.35	123365	10.04	188425	11.21	186039	15.43	82513	18.20
JA59307-15MSD	66476	7.34	125711	10.05	190113	11.22	188199	15.43	87900	18.20
JA58750-13 ^c	59733	7.36	123592	10.05	189600	11.22	157304	15.43	32987*	18.20

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) Confirmation run for surrogate recoveries.

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: DAI BY GC/MS 8260SIM

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JA58750-1	H100542.D	70.0
JA58750-2	H100543.D	108.0
JA58750-3	H100544.D	90.0
JA58750-4	H100545.D	110.0
JA58750-5	H100546.D	114.0
JA58750-6	H100547.D	124.0
JA58750-7	H100548.D	95.0
JA58750-8	H100549.D	120.0
JA58750-9	H100571.D	70.0
JA58750-10	H100563.D	92.0 ^a
JA58750-11	H100541.D	88.0
JA58750-12	H100564.D	81.0 ^a
JA58750-13	H100565.D	145.0
JA58750-14	H100566.D	148.0
JA58750-15	H100567.D	78.0 ^a
JA58750-16	H100568.D	67.0
JA58750-17	H100569.D	60.0
JA58750-18	H100570.D	81.0 ^a
EH4373-BS	H100538.D	86.0 ^b
EH4373-BS2	H100561.D	124.0
EH4373-MB	H100537.D	113.0 ^b
EH4373-MB2	H100560.D	128.0
JA58750-11MS	H100539.D	97.0
JA58750-11MSD	H100540.D	91.0

Surrogate Compounds	Recovery Limits
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S1 = Hexanol	50-150%
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(a) double spiked.

(b) Surrogate added twice.

5.6.1

5

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA58750-1	X108264.D	92.0	97.0	107.0	108.0
JA58750-2	X108265.D	95.0	98.0	106.0	114.0
JA58750-3	X108266.D	92.0	97.0	108.0	116.0
JA58750-4	X108267.D	94.0	96.0	106.0	138.0
JA58750-5	X108268.D	91.0	94.0	108.0	117.0
JA58750-6	X108269.D	93.0	97.0	107.0	113.0
JA58750-7	X108270.D	93.0	97.0	108.0	118.0
JA58750-8	X108271.D	94.0	103.0	110.0	112.0
JA58750-9	X108272.D	95.0	99.0	108.0	115.0
JA58750-10	X108309.D	101.0	110.0	112.0	137.0
JA58750-11	X108259.D	93.0	95.0	106.0	134.0
JA58750-12	X108310.D	98.0	109.0	112.0	129.0
JA58750-13	X108344.D	113.0	128.0	109.0	195.0*
JA58750-13	X108311.D	107.0	114.0	108.0	175.0*
JA58750-14	X108312.D	99.0	111.0	113.0	124.0
JA58750-15	X108260.D	91.0	97.0	108.0	116.0
JA58750-16	X108261.D	93.0	98.0	108.0	108.0
JA58750-17	X108262.D	95.0	97.0	106.0	143.0*
JA58750-17	X108313.D	120.0	115.0	98.0	198.0*
JA58750-18	X108263.D	94.0	102.0	108.0	109.0
JA58750-11MS	X108256.D	100.0	102.0	107.0	127.0
JA58750-11MSD	X108257.D	99.0	102.0	106.0	107.0
JA59318-2MS	X108303.D	108.0	119.0	111.0	109.0
JA59318-2MSD	X108304.D	103.0	113.0	111.0	111.0
VX4575-BS	X108255.D	95.0	98.0	107.0	108.0
VX4575-MB	X108254.D	97.0	106.0	108.0	109.0
VX4577-BS	X108302.D	106.0	116.0	112.0	111.0
VX4577-MB	X108301.D	103.0	118.0	114.0	115.0

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane	67-127%
S2 = 1,2-Dichloroethane-D4	65-132%
S3 = Toluene-D8	74-129%
S4 = 4-Bromofluorobenzene	62-138%

5.6.2
5

Initial Calibration Summary

Page 1 of 1

Job Number: JA58750**Sample:** EH4362-ICC4362**Account:** ENSRMAA AECOM, INC.**Lab FileID:** H100436.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report MSH

Method : C:\HPCHEM\1\METHODS\M4362EPG.M (Chemstation Integrator)
Title : Ethylene Glycol Propylene Glycol
Last Update : Wed Sep 01 11:22:22 2010
Response via : Initial Calibration

Calibration Files

100 =H100432.D 25 =H100434.D 10 =H100435.D 5 =H100436.D
1 =H100437.D .5 =H100438.D .25 =H100439.D 50 =H100433.D

Compound	100	25	10	5	1	.5	.25	50	Avg	%RSD
1) Ethylene Gly	2.390	2.376	2.493	2.557	2.518	3.040	3.084	2.431	2.611	E5 10.93
2) Propylene Gl	2.983	2.949	2.807	2.643	2.669	3.204	2.342	3.129	2.841	E5 10.00
3) Hexanol		1.137	0.795	1.119	0.649	0.975	1.337	1.122	1.019	E5 22.84

(#) = Out of Range ### Number of calibration levels exceeded format ###

M4362EPG.M

Wed Sep 01 11:28:08 2010

MSH

5.7.1

5

Initial Calibration Verification

Page 1 of 1

Job Number: JA58750**Sample:** EH4363-ICV4362**Account:** ENSRMAA AECOM, INC.**Lab FileID:** H100443.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\EH4363\H100443.D Vial: 2
Acq On : 31 Aug 2010 12:37 pm Operator: kristis
Sample : icv4362-5 Inst : MSH
Misc : ms1183,eh4363,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.E

Method : C:\HPCHEM\1\METHODS\M4362EPG.M (Chemstation Integrator)
Title : Ethylene Glycol Propylene Glycol
Last Update : Mon Aug 30 14:00:36 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	R.T.
1	Ethylene Glycol	261.100	277.496 E3	-6.3	109	0.04	6.44
2	Propylene Glycol	284.064	307.102 E3	-8.1	116	0.04	7.17
3 S	Hexanol		-----NA-----				

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

H100436.D M4362EPG.M

Tue Aug 31 16:04:04 2010 MSH

5.7.2
5

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58750**Sample:** EH4373-CC4362**Account:** ENSRMAA AECOM, INC.**Lab FileID:** H100536.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\EH4373\H100536.D Vial: 1
Acq On : 25 Oct 2010 5:18 pm Operator: kristis
Sample : cc4362-5 Inst : MSH
Misc : ms3472,eh4373,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.E

Method : C:\HPCHEM\1\METHODS\M4362EPG.M (Chemstation Integrator)
Title : Ethylene Glycol Propylene Glycol
Last Update : Tue Nov 02 18:07:57 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	Ethylene Glycol	261.100	308.222	E3 -18.0	121	0.26	6.44
2	Propylene Glycol	284.064	418.345	E3 -47.3#	158#	0.23	7.15
3 S	Hexanol	101.926	85.481	E3 16.1	76	0.05	8.15

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

H100588.D M4362EPG.M

Wed Nov 03 16:37:56 2010 MSH

5.7.3

5

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58750

Sample: EH4373-CC4362

Account: ENSRMAA AECOM, INC.

Lab FileID: H100559.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\EH4373\H100559.D Vial: 1
Acq On : 26 Oct 2010 8:20 am Operator: kristis
Sample : cc4362-5 Inst : MSH
Misc : ms3472,eh4373,1000,,,1,1 Multiplr: 1.00
MS Integration Params: LSCINT.E

Method : C:\HPCHEM\1\METHODS\M4362EPG.M (Chemstation Integrator)
Title : Ethylene Glycol Propylene Glycol
Last Update : Wed Nov 03 16:54:48 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	R.T.
1	Ethylene Glycol	261.100	285.950 E3	-9.5	112	0.00	6.71
2	Propylene Glycol	284.064	348.823 E3	-22.8#	132	0.00	7.39
3 S	Hexanol	101.926	98.483 E3	3.4	88	0.00	8.26

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

H100559.D M4362EPG.M

Wed Nov 03 16:55:53 2010 MSH

5.7.4
5

Initial Calibration Summary

Page 1 of 6

Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICC4516
Lab FileID: X106950.D

Response Factor Report MSX

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)
Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 25 16:35:25 2010
Response via : Initial Calibration

Calibration Files

1 =X106944.D 2 =X106946.D 100 =X106952.D 50 =X106950.D
20 =X106949.D 200 =X106953.D 5 =X106945.D 10 =X106948.D
0.5 =X106947.D =

Compound	1	2	100	50	20	200	5	10	0.5	Avg	%RSD
1) I tert butyl alcohol-d9 -----ISTD-----											
2) tertiary butyl alcohol											
	1.081	1.330	1.207	1.074	1.375	1.074	1.241			1.197	10.53
3) ethyl alcohol										0.000	-1.00
4) acrolein											
	1.863	1.670	2.158	2.079	1.981	2.155	1.709	2.045		1.957	9.77
5) 1,4-dioxane											
	0.111	0.094	0.081	0.114	0.067	0.089				0.093	18.99
----- Linear regression ----- Coefficient =										0.9987	
Response Ratio = -0.02655 + 0.11566 *A											
6) I pentafluorobenzene -----ISTD-----											
7) freon 23										0.000	-1.00
8) freon 115										0.000	-1.00
9) freon 143a										0.000	-1.00
10) freon 152a										0.000	-1.00
11) chlorotrifluoroethene										0.000	-1.00
12) chlorodifluoromethane											
	0.493	0.376	0.543	0.518	0.433	0.489	0.384	0.499		0.467	13.27
13) dichlorodifluoromethane											
	0.577	0.644	0.813	0.765	0.673	0.730	0.594	0.718		0.689	11.96
14) freon 114										0.000	-1.00
15) freon 142b										0.000	-1.00
16) chloromethane											
	0.963	1.011	1.009	0.978	0.923	0.840	0.891	1.039	0.921	0.953	6.75
17) vinyl chloride											
	0.706	0.768	0.806	0.796	0.745	0.710	0.700	0.806	0.597	0.737	9.19
18) acetaldehyde										0.000	-1.00
19) bromomethane											
	0.479	0.478	0.443	0.445	0.429		0.432	0.499	0.416	0.453	6.41
20) chloroethane											
	0.379	0.411	0.411	0.407	0.383	0.342	0.369	0.436		0.392	7.54
21) vinyl bromide											
	0.491	0.477	0.444	0.459	0.418	0.448	0.460			0.457	5.18

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Initial Calibration Summary

Page 2 of 6

Job Number: JA58750

Sample: VX4516-ICC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X106950.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

22)	trichlorofluoromethane	0.648 0.793 0.857 0.807 0.756 0.766 0.685 0.810	0.765	9.00
23)	ethyl ether	0.184 0.215 0.261 0.249 0.217 0.251 0.223 0.269	0.234	12.26
24)	freon 141b		0.000	-1.00
25)	freon 123a		0.000	-1.00
26)	freon 123		0.000	-1.00
27)	1,1-dichloroethene	0.519 0.398 0.445 0.436 0.380 0.406 0.436 0.509	0.441	11.37
28)	acetone	0.035 0.033 0.033 0.034 0.040 0.060	0.039	27.16
	----- Linear regression -----	Coefficient = 0.9981		
	Response Ratio = 0.00154 + 0.03326 *A			
29)	allyl chloride	0.238 0.258 0.293 0.287 0.255 0.260 0.273 0.336	0.275	11.13
30)	acetonitrile	0.046 0.037 0.036 0.036 0.033 0.039 0.040	0.038	10.90
31)	iodomethane	0.821 0.747 0.912 0.861 0.729 0.853 0.796 0.947 0.640	0.812	11.81
32)	iso-butyl alcohol	0.006 0.005 0.004 0.006 0.004 0.006	0.005	19.20
	----- Linear regression -----	Coefficient = 0.9939		
	Response Ratio = -0.00401 + 0.00589 *A			
33)	carbon disulfide	1.777 1.548 1.895 1.794 1.612 1.742 1.672 1.980 1.658	1.742	7.88
34)	methylene chloride	0.612 0.511 0.517 0.494 0.433 0.482 0.502 0.564	0.514	10.45
35)	methyl acetate	0.064 0.060 0.058 0.060 0.052 0.062	0.060	6.79
36)	methyl tert butyl ether	1.273 1.288 1.310 1.279 1.136 1.206 1.269 1.434 1.429	1.292	7.34
37)	trans-1,2-dichloroethene	0.556 0.475 0.477 0.470 0.418 0.434 0.478 0.559 0.550	0.491	10.69
38)	di-isopropyl ether	1.813 1.575 1.738 1.701 1.587 1.539 1.580 1.898 1.817	1.694	7.68
39)	2-butanone	0.045 0.043 0.039 0.042 0.034 0.057	0.043	18.12
	----- Linear regression -----	Coefficient = 0.9978		
	Response Ratio = 0.00102 + 0.04244 *A			
40)	1,1-dichloroethane	0.897 0.860 0.915 0.901 0.796 0.832 0.866 1.056 0.847	0.886	8.35
41)	chloroprene	0.678 0.528 0.696 0.659 0.607 0.637 0.585 0.713 0.496	0.622	12.02
42)	acrylonitrile	0.132 0.138 0.129 0.129 0.121 0.117 0.137 0.144 0.135	0.131	6.28
43)	vinyl acetate	0.048 0.048 0.044 0.045 0.036 0.052	0.046	11.81
44)	ethyl tert-butyl ether	1.467 1.404 1.622 1.555 1.422 1.464 1.398 1.705 1.441	1.498	7.12
45)	ethyl acetate	0.043 0.042 0.041 0.039 0.041 0.046	0.042	5.48
46)	2,2-dichloropropane	0.812 0.703 0.785 0.776 0.665 0.698 0.728 0.871	0.755	9.08
47)	cis-1,2-dichloroethene			

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Initial Calibration Summary

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICC4516
Lab FileID: X106950.D

	0.599	0.499	0.514	0.508	0.454	0.471	0.495	0.593	0.590	0.525	10.50
48)	propionitrile	0.047	0.058	0.053	0.051	0.047	0.051	0.054	0.056	0.055	7.04
49)	tert-Butyl Formate	0.305	0.321	0.425	0.396	0.368	0.387	0.338	0.437	0.372	12.87
50)	bromochloromethane	0.184	0.222	0.238	0.233	0.201	0.223	0.206	0.257	0.220	10.46
51)	tetrahydrofuran	0.156	0.144	0.140	0.133	0.134	0.158	0.162		0.147	8.15
52)	chloroform	0.852	0.807	0.828	0.815	0.722	0.763	0.807	0.938	0.760	7.67
53)	dibromofluoromethane (s)	0.461	0.437	0.375	0.405	0.401	0.448	0.464		0.427	7.99
54)	1,2-dichloroethane-d4 (s)	0.532	0.467	0.413	0.447	0.425	0.492	0.521		0.471	9.81
55)	freon 113		0.364	0.350	0.316	0.317	0.338	0.388		0.345	8.09
56)	methacrylonitrile	0.304	0.269	0.257	0.237	0.259	0.287	0.292		0.272	8.60
57)	1,1,1-trichloroethane	0.702	0.639	0.751	0.723	0.596	0.688	0.651	0.788	0.608	9.52
58)	cyclohexane	0.700	0.602	0.731	0.713	0.604	0.663	0.652	0.785	0.574	10.35
59)	tert amyl alcohol									0.000	-1.00
60)	iso-octane	2.171	1.551	1.878	1.855	1.741	1.591	1.716	2.112	1.709	11.81
61)	1,4-difluorobenzene	-----ISTD-----									
62)	di-isobutylene									0.000	-1.00
63)	epichlorohydrin	0.022	0.021	0.023	0.022	0.021	0.021	0.024	0.026	0.022	7.41
64)	n-butyl alcohol	0.008	0.008	0.008	0.008	0.007	0.008	0.007	0.008	0.008	4.73
65)	carbon tetrachloride	0.433	0.360	0.409	0.398	0.350	0.371	0.396	0.460	0.336	10.33
66)	1,1-dichloropropene	0.459	0.394	0.434	0.422	0.375	0.396	0.415	0.499	0.411	8.88
67)	hexane		0.060	0.056	0.053	0.053	0.042	0.064		0.055	13.52
68)	benzene	1.406	1.232	1.139	1.147	1.051	1.021	1.254	1.428	1.343	12.06
69)	tert-amyl methyl ether	0.906	0.832	0.805	0.783	0.766	0.720	0.813	0.948	0.963	10.01
70)	heptane	0.278	0.197	0.258	0.248	0.234	0.231	0.217	0.272	0.242	11.46
71)	isopropyl acetate	0.772	0.680	0.686	0.667	0.588	0.730	0.787		0.701	9.73
72)	1,2-dichloroethane	0.341	0.370	0.323	0.324	0.305	0.299	0.355	0.402	0.326	9.68
73)	trichloroethene	0.316	0.288	0.332	0.318	0.273	0.308	0.306	0.358	0.312	8.34
74)	ethyl acrylate									0.000	-1.00
75)	tert amyl ethyl ether									0.000	-1.00
76)	2-nitropropane		0.004	0.004	0.003	0.004				0.004	15.49
	----- Linear regression -----										Coefficient = 0.9994

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Initial Calibration Summary

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICC4516
Lab FileID: X106950.D

$$\text{Response Ratio} = -0.00050 + 0.00440 * A$$

77)	2-chloroethyl vinyl ether	0.112	0.109	0.119	0.110	0.105	0.106	0.109	0.127	0.105	0.111	6.55
78)	methyl methacrylate	0.191	0.178	0.164	0.163	0.154	0.153	0.175	0.194	0.135	0.167	11.44
79)	1,2-dichloropropane	0.350	0.322	0.336	0.336	0.298	0.310	0.339	0.388	0.291	0.330	8.93
80)	dibromomethane	0.132	0.161	0.176	0.167	0.149	0.165	0.170	0.193		0.164	10.93
81)	methylcyclohexane	0.568	0.411	0.565	0.542	0.509	0.494	0.472	0.594	0.461	0.513	11.58
82)	bromodichloromethane	0.381	0.413	0.428	0.412	0.362	0.396	0.411	0.478	0.402	0.409	7.92
83)	cis-1,3-dichloropropene	0.531	0.542	0.554	0.545	0.482	0.505	0.540	0.625	0.567	0.543	7.34
84)	toluene-d8 (s)	1.178	1.051	0.959	1.049	0.903	1.217	1.273			1.090	12.55
85)	4-methyl-2-pentanone	0.084	0.102	0.110	0.104	0.096	0.105	0.104	0.115		0.102	9.25
86)	toluene	0.995	0.838	0.760	0.761	0.668	0.689	0.825	0.921		0.807	13.81
87)	3-methyl-1-butanol	0.017	0.013	0.013	0.012	0.012	0.011	0.012	0.013	0.013	0.013	13.47
88)	trans-1,3-dichloropropene	0.485	0.493	0.462	0.458	0.409	0.419	0.464	0.538	0.508	0.471	8.69
89)	ethyl methacrylate	0.393	0.363	0.336	0.335	0.312	0.304	0.355	0.397	0.393	0.354	9.91
90)	1,1,2-trichloroethane	0.222	0.220	0.221	0.215	0.193	0.205	0.219	0.252	0.203	0.217	7.54
91)	2-hexanone	0.088	0.106	0.090	0.090	0.089	0.084	0.099	0.120		0.096	12.37
92)	I chlorobenzene-d5	-----ISTD-----										
93)	3,3-Dimethyl-1-butanol	0.032	0.031	0.030	0.026	0.025	0.027	0.025	0.028	0.036	0.029	12.62
94)	tetrachloroethene	0.307	0.269	0.305	0.294	0.260	0.286	0.298	0.347	0.270	0.293	8.96
95)	1,3-dichloropropane	0.463	0.486	0.430	0.428	0.403	0.394	0.471	0.529	0.507	0.457	10.11
96)	butyl acetate	0.223	0.202	0.198	0.187	0.188	0.185	0.202	0.230	0.223	0.204	8.41
97)	dibromochloromethane	0.349	0.339	0.335	0.325	0.290	0.316	0.336	0.379	0.309	0.331	7.65
98)	1,2-dibromoethane	0.278	0.280	0.285	0.272	0.243	0.271	0.279	0.309	0.259	0.275	6.60
99)	n-butyl ether										0.000	-1.00
100)	chlorobenzene	0.924	0.862	0.907	0.887	0.768	0.827	0.883	1.024	0.876	0.884	7.90
101)	1,1,1,2-tetrachloroethane	0.330	0.315	0.311	0.304	0.279	0.284	0.322	0.370	0.287	0.311	9.02
102)	ethylbenzene	1.786	1.562	1.474	1.495	1.364	1.279	1.612	1.845	1.648	1.563	11.78
103)	m,p-xylene	0.700	0.605	0.568	0.567	0.520	0.507	0.616	0.711	0.654	0.605	12.05
104)	o-xylene	0.677	0.624	0.626	0.614	0.543	0.559	0.628	0.734	0.684	0.632	9.47
105)	styrene	1.168	1.088	0.939	0.950	0.883	0.830	1.043	1.203		1.013	13.25

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Initial Calibration Summary

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Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICC4516
Lab FileID: X106950.D

106)	bromoform	0.216	0.220	0.230	0.219	0.192	0.216	0.217	0.244	0.195	0.217	7.35
107)	I 1,4-dichlorobenzene-d -----ISTD-----											
108)	isopropylbenzene	3.765	3.298	3.394	3.417	3.029	3.021	3.516	4.029	3.520	3.443	9.37
109)	4-bromofluorobenzene (s)	1.112	0.961	0.862	0.929	0.869	1.052	1.087			0.982	10.43
110)	bromobenzene	0.856	0.829	0.815	0.813	0.703	0.754	0.856	0.942	0.872	0.827	8.34
111)	1,1,2,2-tetrachloroethane	0.762	0.811	0.777	0.749	0.658	0.745	0.760	0.830	0.784	0.764	6.39
112)	trans-1,4-dichloro-2-butene	0.178	0.215	0.227	0.219	0.200	0.208	0.219	0.252		0.215	9.94
113)	1,2,3-trichloropropane	0.163	0.170	0.159	0.158	0.150	0.149	0.177	0.189		0.164	8.24
114)	n-propylbenzene	4.603	4.061	3.729	3.793	3.460	3.269	4.130	4.685	4.340	4.008	12.19
115)	4-ethyltoluene										0.000	-1.00
116)	2-chlorotoluene	0.891	0.800	0.832	0.810	0.701	0.770	0.798	0.939	0.755	0.811	8.76
117)	4-chlorotoluene	2.825	2.490	2.465	2.411	2.143	2.231	2.521	2.888	2.942	2.546	11.12
118)	1,3,5-trimethylbenzene	3.167	2.795	2.607	2.644	2.378	2.301	2.823	3.230	3.015	2.773	11.74
119)	tert-butylbenzene	2.636	2.376	2.517	2.445	2.115	2.273	2.464	2.813	2.428	2.452	8.16
120)	pentachloroethane	0.437	0.460	0.483	0.473	0.403	0.454	0.468	0.537	0.401	0.457	9.14
121)	1,2,4-trimethylbenzene	3.377	2.904	2.703	2.724	2.439	2.396	2.821	3.264	3.348	2.886	12.85
122)	1,2,3-trimethylbenzene										0.000	-1.00
123)	sec-butylbenzene	4.035	3.504	3.711	3.676	3.192	3.270	3.643	4.240	3.777	3.672	9.07
124)	1,3-dichlorobenzene	1.695	1.566	1.552	1.517	1.328	1.441	1.568	1.810	1.757	1.581	9.63
125)	p-isopropyltoluene	3.310	2.876	3.041	3.007	2.596	2.686	2.965	3.493	3.131	3.012	9.36
126)	1,4-dichlorobenzene	1.606	1.470	1.537	1.453	1.249	1.431	1.430	1.662	1.669	1.501	8.91
127)	1,2-dichlorobenzene	1.514	1.377	1.485	1.421	1.238	1.368	1.388	1.653	1.547	1.444	8.39
128)	benzyl chloride	1.562	1.418	1.593	1.474	1.359	1.452	1.348	1.621	1.670	1.500	7.77
129)	1,4-diethylbenzene										0.000	-1.00
130)	n-butylbenzene	1.664	1.517	1.730	1.662	1.415	1.545	1.592	1.877	1.513	1.613	8.54
131)	1,2,4,5-tetramethylbenzene										0.000	-1.00
132)	1,2-dibromo-3-chloropropane	0.162	0.140	0.130	0.114	0.140	0.137	0.140			0.138	10.43
133)	1,3,5-trichlorobenzene	1.199	1.083	1.275	1.242	1.025	1.168	1.093	1.382	1.180	1.183	9.20
134)	hexachlorobutadiene	0.657	0.516	0.588	0.584	0.491	0.562	0.550	0.679	0.526	0.573	10.94
135)	naphthalene	1.471	1.548	1.893	1.776	1.491	1.784	1.517	1.895	1.691	1.674	10.24

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Initial Calibration Summary

Page 6 of 6

Job Number: JA58750

Sample: VX4516-ICC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X106950.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

136)	1,2,4-trichlorobenzene	0.810	0.845	1.055	1.007	0.819	0.995	0.825	1.098	0.881	0.926	12.14
137)	1,2,3-trichlorobenzene	0.659	0.667	0.878	0.836	0.682	0.817	0.672	0.911	0.712	0.759	13.21
138)	hexachloroethane	0.513	0.446	0.590	0.551	0.440	0.559	0.489	0.583		0.522	11.25

(#) = Out of Range ### Number of calibration levels exceeded format ###

MX4516.M

Wed Nov 03 11:26:18 2010

VOA-05

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Initial Calibration Verification

Page 1 of 3

Job Number: JA58750

Sample: VX4516-ICV4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X106951.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\X106951.D

Vial: 9

Acq On : 14 Sep 2010 1:14 pm

Operator: JUNTAEP

Sample : ICV4516-50

Inst : MSX

Misc : MS1864,vx4516,5.0,,,,,1

Multiplr: 1.00

MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)

Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um

Last Update : Tue Sep 14 14:59:55 2010

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	116	0.00	7.37
2	tertiary butyl alcohol	1.197	1.132	5.4	109	0.00	7.50
3	ethyl alcohol			NA			
4	acrolein	1.957	1.936	1.1	108	0.00	6.42
	----- True	Calc.	% Drift	-----			
5	1,4-dioxane	1250.000	1029.092	17.7	104	0.00	12.17
	----- AvgRF	CCRF	% Dev	-----			
6 I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	10.06
7 m	freon 23			NA			
8 m	freon 115			NA			
9 m	freon 143a			NA			
10 m	freon 152a			NA			
11 m	chlorotrifluoroethene			NA			
12	chlorodifluoromethane	0.467	0.477	-2.1	93	0.00	3.81
13	dichlorodifluoromethane	0.689	0.711	-3.2	94	0.00	3.79
14 m	freon 114			NA			
15 m	freon 142b			NA			
16	chloromethane	0.953	0.947	0.6	98	0.00	4.12
17	vinyl chloride	0.737	0.755	-2.4	96	0.00	4.38
18 m	acetaldehyde			NA			
19	bromomethane	0.453	0.424	6.4	96	0.00	5.04
20	chloroethane	0.392	0.389	0.8	97	0.00	5.22
21	trichlorofluoromethane	0.765	0.768	-0.4	96	0.00	5.66
22	ethyl ether	0.234	0.252	-7.7	102	0.00	6.13
23 m	freon 141b			NA			
24 m	freon 123a			NA			
25 m	freon 123			NA			
26	1,1-dichloroethene	0.441	0.422	4.3	98	0.00	6.58
	----- True	Calc.	% Drift	-----			
27	acetone	50.000	47.443	5.1	103	0.00	6.66
	----- AvgRF	CCRF	% Dev	-----			
28	allyl chloride	0.275	0.276	-0.4	97	0.00	7.18
29	acetonitrile	0.038	0.037	2.6	104	0.01	7.17
30	iodomethane	0.812	0.842	-3.7	99	0.00	6.88
	----- True	Calc.	% Drift	-----			
31	iso-butyl alcohol	500.000	525.458	-5.1	129	0.00	10.38

Initial Calibration Verification

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICV4516

Lab FileID: X106951.D

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		AvgRF	CCRF	% Dev			
32	carbon disulfide	1.742	1.731	0.6	98	0.00	7.02
33	methylene chloride	0.514	0.484	5.8	99	0.00	7.40
34	methyl acetate	0.060	0.062	-3.3	104	0.00	7.16
35	methyl tert butyl ether	1.292	1.314	-1.7	104	0.00	7.75
36	trans-1,2-dichloroethene	0.491	0.452	7.9	97	0.00	7.82
37	di-isopropyl ether	1.694	1.661	1.9	99	0.00	8.45
		True	Calc.	% Drift			
38	2-butanone	50.000	53.441	-6.9	109	0.01	9.37
		AvgRF	CCRF	% Dev			
39	1,1-dichloroethane	0.886	0.881	0.6	99	0.00	8.49
40	chloroprene	0.622	0.615	1.1	94	0.00	8.61
41	acrylonitrile	0.131	0.137	-4.6	107	0.00	7.78
42	vinyl acetate	0.046	0.049	-6.5	102	0.00	8.48
43	ethyl tert-butyl ether	1.498	1.523	-1.7	99	0.00	9.02
44	ethyl acetate	0.042	0.044	-4.8	105	0.00	9.39
45	2,2-dichloropropane	0.755	0.740	2.0	96	0.00	9.38
46	cis-1,2-dichloroethene	0.525	0.498	5.1	99	0.00	9.40
47	propionitrile	0.052	0.054	-3.8	108	0.00	9.51
48	tert-Butyl Formate	0.372	0.397	-6.7	101	0.00	9.89
49	bromochloromethane	0.220	0.230	-4.5	100	0.00	9.79
50	tetrahydrofuran	0.147	0.149	-1.4	107	0.00	9.82
51	chloroform	0.810	0.801	1.1	99	0.00	9.87
52 S	dibromofluoromethane (s)	0.427	0.410	4.0	111	0.00	10.12
53 S	1,2-dichloroethane-d4 (s)	0.471	0.454	3.6	111	0.00	10.65
54	freon 113	0.345	0.326	5.5	94	0.00	6.56
55	methacrylonitrile	0.272	0.267	1.8	105	0.00	9.72
56	1,1,1-trichloroethane	0.683	0.695	-1.8	97	0.00	10.16
57	cyclohexane	0.669	0.687	-2.7	97	0.00	10.23
58 m	tert amyl alcohol		-----NA-----				
59 m	iso-octane	1.814	1.727	4.8	94	0.00	10.71
60 I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	11.22
61	di-isobutylene		-----NA-----				
62	epichlorohydrin	0.022	0.022	0.0	103	0.00	12.76
63	n-butyl alcohol	0.008	0.008	0.0	109	0.00	11.43
64	carbon tetrachloride	0.390	0.384	1.5	98	0.00	10.40
65	1,1-dichloropropene	0.423	0.408	3.5	98	0.00	10.38
66	hexane	0.055	0.052	5.5	94	0.01	8.16
67	benzene	1.225	1.113	9.1	98	0.00	10.72
68	tert-amyl methyl ether	0.837	0.776	7.3	100	0.00	10.77
69	heptane	0.242	0.226	6.6	92	0.00	10.95
70	isopropyl acetate	0.701	0.667	4.9	98	0.00	10.66
71	1,2-dichloroethane	0.338	0.327	3.3	102	0.00	10.76
72	trichloroethene	0.302	0.310	-2.6	99	0.00	11.65
73 m	ethyl acrylate		-----NA-----				
74 m	tert amyl ethyl ether		-----NA-----				
75	2-nitropropane		-----NA-----				
76	2-chloroethyl vinyl ether	0.111	0.112	-0.9	103	0.00	12.76
77	methyl methacrylate	0.167	0.169	-1.2	105	0.00	12.05
78	1,2-dichloropropane	0.330	0.328	0.6	99	0.00	12.02
79	dibromomethane	0.164	0.168	-2.4	102	0.00	12.23
80	methylcyclohexane	0.513	0.504	1.8	94	0.00	11.92
81	bromodichloromethane	0.409	0.405	1.0	100	0.00	12.42
82	cis-1,3-dichloropropene	0.543	0.537	1.1	100	0.00	13.04
83 S	toluene-d8 (s)	1.090	1.025	6.0	108	0.00	13.41
84	4-methyl-2-pentanone	0.102	0.110	-7.8	107	0.00	13.18

5.7.6
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Initial Calibration Verification

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICV4516

Lab FileID: X106951.D

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85		toluene	0.807	0.731	9.4	97	0.00	13.51
86		3-methyl-1-butanol	0.013	0.013	0.0	109	0.00	13.23
87		trans-1,3-dichloropropene	0.471	0.459	2.5	101	0.00	13.80
88		ethyl methacrylate	0.354	0.346	2.3	104	0.00	13.81
89		1,1,2-trichloroethane	0.217	0.216	0.5	101	0.00	14.09
90		2-hexanone	0.096	0.097	-1.0	108	0.00	14.34
91	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	15.43
92		3,3-Dimethyl-1-butanol	0.029	0.029	0.0	112	0.00	14.58
93		tetrachloroethene	0.293	0.283	3.4	97	0.00	14.28
94		1,3-dichloropropane	0.457	0.436	4.6	103	0.00	14.33
95		butyl acetate	0.204	0.194	4.9	105	0.00	14.45
96		dibromochloromethane	0.331	0.326	1.5	101	0.00	14.67
97		1,2-dibromoethane	0.275	0.276	-0.4	103	0.00	14.86
98	m	n-butyl ether			-----NA-----			
99		chlorobenzene	0.884	0.858	2.9	98	0.00	15.47
100		1,1,1,2-tetrachloroethane	0.311	0.303	2.6	101	0.00	15.57
101		ethylbenzene	1.563	1.436	8.1	97	0.00	15.55
102		m,p-xylene	0.605	0.547	9.6	98	0.00	15.70
103		o-xylene	0.632	0.597	5.5	98	0.00	16.24
104		styrene	1.013	0.930	8.2	99	0.00	16.26
105		bromoform	0.217	0.222	-2.3	103	0.00	16.60
106	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	18.21
107		isopropylbenzene	3.443	3.279	4.8	98	0.00	16.68
108	S	4-bromofluorobenzene (s)	0.982	0.929	5.4	110	0.00	16.93
109		bromobenzene	0.827	0.792	4.2	99	0.00	17.14
110		1,1,2,2-tetrachloroethane	0.764	0.777	-1.7	106	0.00	17.08
111		trans-1,4-dichloro-2-bute	0.215	0.228	-6.0	106	0.00	17.13
112		1,2,3-trichloropropane	0.164	0.167	-1.8	107	0.00	17.15
113		n-propylbenzene	4.008	3.628	9.5	98	0.00	17.17
114	m	4-ethyltoluene			-----NA-----			
115		2-chlorotoluene	0.811	0.785	3.2	99	0.00	17.33
116		4-chlorotoluene	2.546	2.337	8.2	99	0.00	17.44
117		1,3,5-trimethylbenzene	2.773	2.554	7.9	99	0.00	17.35
118		tert-butylbenzene	2.452	2.349	4.2	98	0.00	17.72
119		pentachloroethane	0.457	0.462	-1.1	100	0.00	17.82
120		1,2,4-trimethylbenzene	2.886	2.634	8.7	99	0.00	17.77
121	m	1,2,3-trimethylbenzene			-----NA-----			
122		sec-butylbenzene	3.672	3.517	4.2	98	0.00	17.95
123		1,3-dichlorobenzene	1.581	1.471	7.0	99	0.00	18.15
124		p-isopropyltoluene	3.012	2.897	3.8	98	0.00	18.08
125		1,4-dichlorobenzene	1.501	1.433	4.5	101	0.00	18.23
126		1,2-dichlorobenzene	1.444	1.413	2.1	101	0.00	18.62
127		benzyl chloride	1.500	1.468	2.1	102	0.00	18.35
128	m	1,4-diethylbenzene			-----NA-----			
129		n-butylbenzene	1.613	1.601	0.7	98	0.00	18.50
130	m	1,2,4,5-tetramethylbenzen			-----NA-----			
131		1,2-dibromo-3-chloropropa	0.138	0.138	0.0	108	0.00	19.38
132		1,3,5-trichlorobenzene	1.183	1.219	-3.0	100	0.00	19.54
133		hexachlorobutadiene	0.573	0.565	1.4	99	0.00	20.25
134		naphthalene	1.674	1.866	-11.5	107	0.00	20.43
135		1,2,4-trichlorobenzene	0.926	1.011	-9.2	102	0.00	20.15
136	m	1,2,3-trichlorobenzene	0.759	0.844	-11.2	103	0.00	20.67
137		hexachloroethane	0.508	0.527	-3.7	98	0.00	18.86

(#) = Out of Range

X106950.D MX4516.M

SPCC's out = 0 CCC's out = 0

Tue Sep 14 15:11:18 2010 MSX

Initial Calibration Verification

Page 1 of 4

Job Number: JA58750**Sample:** VX4516-ICV4516**Account:** ENSRMAA AECOM, INC.**Lab FileID:** X108247.D**Project:** Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\OLDDATA\VX4574\X108247.D Vial: 7
 Acq On : 23 Oct 2010 11:49 am Operator: JUNTAEP
 Sample : icv4516-50 Inst : MSX
 Misc : MS3510,vx4516,5.0,,,1 Multiplr: 1.00
 MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)
 Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um
 Last Update : Mon Oct 25 16:35:25 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	143	-0.03	7.34
2	tertiary butyl alcohol			-----NA-----			
3	ethyl alcohol			-----NA-----			
4	acrolein			-----NA-----			
	----- True		Calc.	% Drift	-----		
5	1,4-dioxane			-----NA-----			
	----- AvgRF		CCRF	% Dev	-----		
6 I	pentafluorobenzene	1.000	1.000	0.0	172	-0.02	10.03
7 m	freon 23			-----NA-----			
8 m	freon 115			-----NA-----			
9 m	freon 143a			-----NA-----			
10 m	freon 152a			-----NA-----			
11 m	chlorotrifluoroethene			-----NA-----			
12	chlorodifluoromethane			-----NA-----			
13	dichlorodifluoromethane			-----NA-----			
14 m	freon 114			-----NA-----			
15 m	freon 142b			-----NA-----			
16	chloromethane			-----NA-----			
17	vinyl chloride			-----NA-----			
18 m	acetaldehyde			-----NA-----			
19	bromomethane			-----NA-----			
20	chloroethane			-----NA-----			
21	vinyl bromide	0.457	0.438	4.2	170	-0.02	5.55
22	trichlorofluoromethane			-----NA-----			
23	ethyl ether			-----NA-----			
24 m	freon 141b			-----NA-----			
25 m	freon 123a			-----NA-----			
26 m	freon 123			-----NA-----			
27	1,1-dichloroethene			-----NA-----			
	----- True		Calc.	% Drift	-----		
28	acetone			-----NA-----			
	----- AvgRF		CCRF	% Dev	-----		
29	allyl chloride			-----NA-----			
30	acetonitrile			-----NA-----			
31	iodomethane			-----NA-----			
	----- True		Calc.	% Drift	-----		

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Sample: VX4516-ICV4516

Lab FileID: X108247.D

[illegible]

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Initial Calibration Verification

Page 3 of 4

Job Number: JA58750

Sample: VX4516-ICV4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108247.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

81	methylcyclohexane							
82	bromodichloromethane							
83	cis-1,3-dichloropropene							
84 S	toluene-d8 (s)	1.090	1.190	-9.2	181	-0.03	13.38	
85	4-methyl-2-pentanone							
86	toluene							
87	3-methyl-1-butanol							
88	trans-1,3-dichloropropene							
89	ethyl methacrylate							
90	1,1,2-trichloroethane							
91	2-hexanone							
92 I	chlorobenzene-d5	1.000	1.000	0.0	149	-0.03	15.41	
93	3,3-Dimethyl-1-butanol							
94	tetrachloroethene							
95	1,3-dichloropropane							
96	butyl acetate							
97	dibromochloromethane							
98	1,2-dibromoethane							
99 m	n-butyl ether							
100	chlorobenzene							
101	1,1,1,2-tetrachloroethane							
102	ethylbenzene							
103	m,p-xylene							
104	o-xylene							
105	styrene							
106	bromoform							
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	150	-0.02	18.19	
108	isopropylbenzene							
109 S	4-bromofluorobenzene (s)	0.982	1.098	-11.8	191	-0.02	16.91	
110	bromobenzene							
111	1,1,2,2-tetrachloroethane							
112	trans-1,4-dichloro-2-bute							
113	1,2,3-trichloropropane							
114	n-propylbenzene							
115 m	4-ethyltoluene							
116	2-chlorotoluene							
117	4-chlorotoluene							
118	1,3,5-trimethylbenzene							
119	tert-butylbenzene							
120	pentachloroethane							
121	1,2,4-trimethylbenzene							
122 m	1,2,3-trimethylbenzene							
123	sec-butylbenzene							
124	1,3-dichlorobenzene							
125	p-isopropyltoluene							
126	1,4-dichlorobenzene							
127	1,2-dichlorobenzene							
128	benzyl chloride							
129 m	1,4-diethylbenzene							
130	n-butylbenzene							
131 m	1,2,4,5-tetramethylbenzen							
132	1,2-dibromo-3-chloropropa							
133	1,3,5-trichlorobenzene							
134	hexachlorobutadiene							
135	naphthalene							
136	1,2,4-trichlorobenzene							
137 m	1,2,3-trichlorobenzene							
138	hexachloroethane							

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Initial Calibration Verification

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4516-ICV4516

Lab FileID: X108247.D

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(#) = Out of Range

X106950.D MX4516.M

SPCC's out = 0 CCC's out = 0

Wed Nov 03 12:06:19 2010 MSX

5.7.7

5

Continuing Calibration Summary

Page 1 of 4

Job Number: JA58750

Sample: VX4575-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108253.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\VX4575-4576\X108253.D Vial: 13
 Acq On : 23 Oct 2010 3:24 pm Operator: JUNTAEP
 Sample : cc4516-20 Inst : MSX
 Misc : MS3510,vx4575,5.0,,,,,1 Multiplr: 1.00
 MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)
 Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um
 Last Update : Mon Oct 25 16:35:25 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	145	-0.03	7.33
2	tertiary butyl alcohol	1.197	1.364	-14.0	184	-0.02	7.48
3	ethyl alcohol			NA			
4	acrolein	1.957	1.639	16.2	120	-0.02	6.40
		True	Calc.	% Drift			
5	1,4-dioxane	500.000	554.612	-10.9	182	-0.01	12.16
		AvgRF	CCRF	% Dev			
6 I	pentafluorobenzene	1.000	1.000	0.0	145	-0.02	10.04
7 m	freon 23			NA			
8 m	freon 115			NA			
9 m	freon 143a			NA			
10 m	freon 152a			NA			
11 m	chlorotrifluoroethene			NA			
12	chlorodifluoromethane	0.467	0.381	18.4	127	-0.02	3.79
13	dichlorodifluoromethane	0.689	0.870	-26.3#	187	-0.03	3.77
14 m	freon 114			NA			
15 m	freon 142b			NA			
16	chloromethane	0.953	0.883	7.3	139	-0.02	4.10
17	vinyl chloride	0.737	0.686	6.9	133	-0.03	4.36
18 m	acetaldehyde			NA			
19	bromomethane	0.453	0.408	9.9	138	-0.02	5.02
20	chloroethane	0.392	0.378	3.6	143	-0.02	5.20
21	vinyl bromide	0.457	0.489	-7.0	154	0.00	5.56
22	trichlorofluoromethane	0.765	0.890	-16.3	171	-0.02	5.64
23	ethyl ether	0.234	0.251	-7.3	168	-0.03	6.10
24 m	freon 141b			NA			
25 m	freon 123a			NA			
26 m	freon 123			NA			
27	1,1-dichloroethene	0.441	0.398	9.8	151	-0.02	6.56
		True	Calc.	% Drift			
28	acetone	20.000	18.212	8.9	152	-0.02	6.64
		AvgRF	CCRF	% Dev			
29	allyl chloride	0.275	0.261	5.1	148	-0.02	7.15
30	acetonitrile	0.038	0.036	5.3	142	-0.03	7.13
31	iodomethane	0.812	0.873	-7.5	174	-0.02	6.87
		True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: JA58750
Account: ENSRMAA AECOM, INC.
Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4575-CC4516
Lab FileID: X108253.D

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32	iso-butyl alcohol	200.000	184.342	7.8	165	-0.03	10.36
	----- AvgRF	CCRF	% Dev	-----			
33	carbon disulfide	1.742	1.598	8.3	144	-0.03	6.99
34	methylene chloride	0.514	0.498	3.1	167	-0.03	7.37
35	methyl acetate	0.060	0.059	1.7	147	-0.02	7.14
36	methyl tert butyl ether	1.292	1.330	-2.9	170	-0.03	7.73
37	trans-1,2-dichloroethene	0.491	0.434	11.6	150	-0.03	7.79
38	di-isopropyl ether	1.694	1.745	-3.0	159	-0.03	8.43
	----- True	Calc.	% Drift	-----			
39	2-butanone	20.000	21.462	-7.3	179	-0.02	9.34
	----- AvgRF	CCRF	% Dev	-----			
40	1,1-dichloroethane	0.886	0.863	2.6	157	-0.02	8.46
41	chloroprene	0.622	0.701	-12.7	167	-0.03	8.58
42	acrylonitrile	0.131	0.133	-1.5	160	-0.03	7.76
43	vinyl acetate	0.046	0.065	-41.3#	213#	-0.03	8.45
44	ethyl tert-butyl ether	1.498	1.678	-12.0	171	-0.01	9.01
45	ethyl acetate	0.042	0.051	-21.4#	178	-0.03	9.36
46	2,2-dichloropropane	0.755	0.682	9.7	149	-0.03	9.36
47	cis-1,2-dichloroethene	0.525	0.506	3.6	162	-0.03	9.37
48	propionitrile	0.052	0.054	-3.8	166	-0.02	9.48
49	tert-Butyl Formate	0.372	0.354	4.8	139	-0.03	9.87
50	bromochloromethane	0.220	0.241	-9.5	174	-0.03	9.76
51	tetrahydrofuran	0.147	0.140	4.8	152	-0.03	9.80
52	chloroform	0.810	0.832	-2.7	167	-0.03	9.84
53 S	dibromofluoromethane (s)	0.427	0.407	4.7	146	-0.03	10.09
54 S	1,2-dichloroethane-d4 (s)	0.471	0.469	0.4	152	-0.03	10.62
55	freon 113	0.345	0.368	-6.7	169	-0.03	6.53
56	methacrylonitrile	0.272	0.259	4.8	159	-0.02	9.70
57	1,1,1-trichloroethane	0.683	0.668	2.2	162	-0.02	10.14
58	cyclohexane	0.669	0.604	9.7	145	-0.02	10.22
59 m	tert amyl alcohol			-----NA-----			
60 m	iso-octane	1.814	1.984	-9.4	165	-0.02	10.69
61 I	1,4-difluorobenzene	1.000	1.000	0.0	130	-0.03	11.20
62	di-isobutylene			-----NA-----			
63	epichlorohydrin	0.022	0.020	9.1	123	-0.02	12.74
64	n-butyl alcohol	0.008	0.010	-25.0#	168	-0.01	11.41
65	carbon tetrachloride	0.390	0.456	-16.9	169	-0.03	10.38
66	1,1-dichloropropene	0.423	0.437	-3.3	151	-0.02	10.36
67	hexane	0.055	0.057	-3.6	139	-0.01	8.13
68	benzene	1.225	1.227	-0.2	151	-0.02	10.70
69	tert-amyl methyl ether	0.837	0.946	-13.0	160	-0.02	10.75
70	heptane	0.242	0.273	-12.8	151	-0.02	10.93
71	isopropyl acetate	0.701	0.918	-31.0#	178	-0.03	10.63
72	1,2-dichloroethane	0.338	0.426	-26.0#	181	-0.03	10.73
73	trichloroethene	0.312	0.348	-11.5	165	-0.03	11.63
74 m	ethyl acrylate			-----NA-----			
75 m	tert amyl ethyl ether			-----NA-----			
	----- True	Calc.	% Drift	-----			
76	2-nitropropane	20.000	46.577	-132.9#	388	-0.02	12.72
	----- AvgRF	CCRF	% Dev	-----			
77	2-chloroethyl vinyl ether	0.111	0.104	6.3	128	-0.02	12.74
78	methyl methacrylate	0.167	0.189	-13.2	160	-0.03	12.03
79	1,2-dichloropropane	0.330	0.355	-7.6	155	-0.02	12.00
80	dibromomethane	0.164	0.207	-26.2#	180	-0.02	12.21

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Continuing Calibration Summary

Page 3 of 4

Job Number: JA58750

Sample: VX4575-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108253.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

81	methylcyclohexane	0.513	0.580	-13.1	148	-0.02	11.91
82	bromodichloromethane	0.409	0.485	-18.6	174	-0.02	12.40
83	cis-1,3-dichloropropene	0.543	0.624	-14.9	168	-0.02	13.01
84 S	toluene-d8 (s)	1.090	1.169	-7.2	145	-0.02	13.39
85	4-methyl-2-pentanone	0.102	0.127	-24.5#	173	-0.02	13.16
86	toluene	0.807	0.802	0.6	156	-0.02	13.49
87	3-methyl-1-butanol	0.013	0.016	-23.1#	179	-0.02	13.22
88	trans-1,3-dichloropropene	0.471	0.545	-15.7	173	-0.02	13.78
89	ethyl methacrylate	0.354	0.398	-12.4	166	-0.02	13.79
90	1,1,2-trichloroethane	0.217	0.257	-18.4	173	-0.02	14.07
91	2-hexanone	0.096	0.111	-15.6	161	-0.01	14.32
92 I	chlorobenzene-d5	1.000	1.000	0.0	137	-0.02	15.42
93	3,3-Dimethyl-1-butanol	0.029	0.033	-13.8	182	-0.02	14.57
94	tetrachloroethene	0.293	0.311	-6.1	163	-0.02	14.27
95	1,3-dichloropropane	0.457	0.494	-8.1	168	-0.02	14.31
96	butyl acetate	0.204	0.232	-13.7	169	-0.02	14.43
97	dibromochloromethane	0.331	0.381	-15.1	179	-0.02	14.66
98	1,2-dibromoethane	0.275	0.317	-15.3	178	-0.01	14.85
99 m	n-butyl ether			NA			
100	chlorobenzene	0.884	0.937	-6.0	167	-0.01	15.46
101	1,1,1,2-tetrachloroethane	0.311	0.358	-15.1	175	-0.02	15.55
102	ethylbenzene	1.563	1.574	-0.7	158	-0.02	15.54
103	m,p-xylene	0.605	0.611	-1.0	161	-0.01	15.68
104	o-xylene	0.632	0.664	-5.1	167	-0.02	16.23
105	styrene	1.013	1.060	-4.6	164	-0.02	16.25
106	bromoform	0.217	0.273	-25.8#	194	-0.02	16.58
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	145	-0.02	18.19
108	isopropylbenzene	3.443	3.384	1.7	162	-0.02	16.67
109 S	4-bromofluorobenzene (s)	0.982	1.057	-7.6	165	-0.01	16.91
110	bromobenzene	0.827	0.896	-8.3	185	-0.01	17.13
111	1,1,2,2-tetrachloroethane	0.764	0.858	-12.3	190	-0.02	17.06
112	trans-1,4-dichloro-2-bute	0.215	0.259	-20.5#	189	-0.02	17.11
113	1,2,3-trichloropropane	0.164	0.190	-15.9	184	-0.01	17.14
114	n-propylbenzene	4.008	3.807	5.0	160	-0.01	17.16
115 m	4-ethyltoluene			NA			
116	2-chlorotoluene	0.811	0.849	-4.7	176	-0.02	17.31
117	4-chlorotoluene	2.546	2.651	-4.1	180	-0.02	17.43
118	1,3,5-trimethylbenzene	2.773	2.830	-2.1	173	-0.02	17.33
119	tert-butylbenzene	2.452	2.524	-2.9	174	-0.02	17.71
120	pentachloroethane	0.457	0.549	-20.1#	198	-0.01	17.80
121	1,2,4-trimethylbenzene	2.886	2.999	-3.9	179	-0.01	17.76
122 m	1,2,3-trimethylbenzene			NA			
123	sec-butylbenzene	3.672	3.781	-3.0	172	0.00	17.94
124	1,3-dichlorobenzene	1.581	1.700	-7.5	186	0.00	18.14
125	p-isopropyltoluene	3.012	3.137	-4.2	176	-0.01	18.07
126	1,4-dichlorobenzene	1.501	1.615	-7.6	188	-0.02	18.22
127	1,2-dichlorobenzene	1.444	1.640	-13.6	193	-0.01	18.61
128	benzyl chloride	1.500	1.631	-8.7	175	0.00	18.34
129 m	1,4-diethylbenzene			NA			
130	n-butylbenzene	1.613	1.752	-8.6	180	0.00	18.49
131 m	1,2,4,5-tetramethylbenzen			NA			
132	1,2-dibromo-3-chloropropa	0.138	0.169	-22.5#	216#	-0.01	19.36
133	1,3,5-trichlorobenzene	1.183	1.370	-15.8	194	-0.01	19.53
134	hexachlorobutadiene	0.573	0.682	-19.0	202#	-0.01	20.24
135	naphthalene	1.674	2.057	-22.9#	201#	-0.02	20.42
136	1,2,4-trichlorobenzene	0.926	1.156	-24.8#	205#	0.00	20.14
137 m	1,2,3-trichlorobenzene	0.759	0.980	-29.1#	209#	-0.01	20.66
138	hexachloroethane	0.522	0.584	-11.9	193	-0.01	18.85

5.7.8
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Continuing Calibration Summary

Page 4 of 4

Job Number: JA58750

Sample: VX4575-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108253.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

(#) = Out of Range
X106949.D MX4516.M

SPCC's out = 0 CCC's out = 0
Mon Oct 25 16:43:41 2010 MSX

5.7.8

5

Continuing Calibration Summary

Page 1 of 4

Job Number: JA58750

Sample: VX4577-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108300.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\X-...vx4577-4578\X108300.D Vial: 2
 Acq On : 25 Oct 2010 1:00 pm Operator: JUNTAEP
 Sample : cc4516-20 Inst : MSX
 Misc : MS3780,vx4577,5.0,,,,,1 Multiplr: 1.00
 MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)
 Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um
 Last Update : Mon Oct 25 16:35:25 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	115	-0.03	7.34
2	tertiary butyl alcohol	1.197	1.211	-1.2	130	-0.02	7.48
3	ethyl alcohol			-----NA-----			
4	acrolein	1.957	1.694	13.4	99	-0.02	6.40
	----- True	Calc.	% Drift	-----			
5	1,4-dioxane	500.000	480.974	3.8	120	0.00	12.17
	----- AvgRF	CCRF	% Dev	-----			
6 I	pentafluorobenzene	1.000	1.000	0.0	92	-0.01	10.04
7 m	freon 23			-----NA-----			
8 m	freon 115			-----NA-----			
9 m	freon 143a			-----NA-----			
10 m	freon 152a			-----NA-----			
11 m	chlorotrifluoroethene			-----NA-----			
12	chlorodifluoromethane	0.467	0.440	5.8	93	-0.01	3.80
13	dichlorodifluoromethane	0.689	0.819	-18.9	112	-0.01	3.78
14 m	freon 114			-----NA-----			
15 m	freon 142b			-----NA-----			
16	chloromethane	0.953	0.910	4.5	91	-0.01	4.11
17	vinyl chloride	0.737	0.676	8.3	83	-0.02	4.36
18 m	acetaldehyde			-----NA-----			
19	bromomethane	0.453	0.394	13.0	84	0.00	5.04
20	chloroethane	0.392	0.326	16.8	78	-0.01	5.21
21	vinyl bromide	0.457	0.404	11.6	81	0.00	5.57
22	trichlorofluoromethane	0.765	0.862	-12.7	105	0.00	5.65
23	ethyl ether	0.234	0.261	-11.5	110	-0.03	6.10
24 m	freon 141b			-----NA-----			
25 m	freon 123a			-----NA-----			
26 m	freon 123			-----NA-----			
27	1,1-dichloroethene	0.441	0.417	5.4	101	-0.01	6.57
	----- True	Calc.	% Drift	-----			
28	acetone	20.000	20.522	-2.6	107	-0.03	6.63
	----- AvgRF	CCRF	% Dev	-----			
29	allyl chloride	0.275	0.272	1.1	98	-0.02	7.16
30	acetonitrile	0.038	0.043	-13.2	109	0.00	7.15
31	iodomethane	0.812	0.792	2.5	100	-0.01	6.87
	----- True	Calc.	% Drift	-----			

Continuing Calibration Summary

Page 2 of 4

Job Number: JA58750

Sample: VX4577-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108300.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

32	iso-butyl alcohol	200.000	198.653	0.7	115	-0.01	10.38
	----- AvgRF	CCRF	% Dev	-----			
33	carbon disulfide	1.742	1.639	5.9	93	-0.02	7.00
34	methylene chloride	0.514	0.498	3.1	106	-0.02	7.38
35	methyl acetate	0.060	0.062	-3.3	98	-0.01	7.14
36	methyl tert butyl ether	1.292	1.387	-7.3	112	-0.02	7.74
37	trans-1,2-dichloroethene	0.491	0.416	15.3	91	-0.02	7.79
38	di-isopropyl ether	1.694	1.878	-10.9	109	-0.01	8.44
	----- True	Calc.	% Drift	-----			
39	2-butanone	20.000	21.878	-9.4	116	0.00	9.35
	----- AvgRF	CCRF	% Dev	-----			
40	1,1-dichloroethane	0.886	0.929	-4.9	107	-0.01	8.47
41	chloroprene	0.622	0.713	-14.6	108	-0.02	8.59
42	acrylonitrile	0.131	0.156	-19.1	119	-0.02	7.77
43	vinyl acetate	0.046	0.071	-54.3#	148	-0.02	8.46
44	ethyl tert-butyl ether	1.498	1.719	-14.8	111	-0.01	9.01
45	ethyl acetate	0.042	0.053	-26.2#	118	-0.02	9.37
46	2,2-dichloropropane	0.755	0.779	-3.2	108	-0.01	9.37
47	cis-1,2-dichloroethene	0.525	0.484	7.8	98	-0.02	9.38
48	propionitrile	0.052	0.063	-21.2#	122	-0.02	9.49
49	tert-Butyl Formate	0.372	0.385	-3.5	96	-0.02	9.88
50	bromochloromethane	0.220	0.225	-2.3	103	-0.02	9.77
51	tetrahydrofuran	0.147	0.180	-22.4#	124	-0.02	9.81
52	chloroform	0.810	0.841	-3.8	107	-0.02	9.85
53 S	dibromofluoromethane (s)	0.427	0.450	-5.4	102	-0.02	10.10
54 S	1,2-dichloroethane-d4 (s)	0.471	0.560	-18.9	115	-0.02	10.63
55	freon 113	0.345	0.316	8.4	92	0.00	6.55
56	methacrylonitrile	0.272	0.302	-11.0	117	-0.02	9.70
57	1,1,1-trichloroethane	0.683	0.701	-2.6	108	-0.02	10.14
58	cyclohexane	0.669	0.644	3.7	98	-0.01	10.22
59 m	tert amyl alcohol			-----NA-----			
60 m	iso-octane	1.814	1.894	-4.4	100	-0.02	10.69
61 I	1,4-difluorobenzene	1.000	1.000	0.0	89	-0.02	11.20
62	di-isobutylene			-----NA-----			
63	epichlorohydrin	0.022	0.023	-4.5	97	-0.01	12.75
64	n-butyl alcohol	0.008	0.010	-25.0#	121	-0.01	11.41
65	carbon tetrachloride	0.390	0.434	-11.3	110	-0.02	10.39
66	1,1-dichloropropene	0.423	0.430	-1.7	102	-0.01	10.37
67	hexane	0.055	0.043	21.8#	72	0.00	8.14
68	benzene	1.225	1.176	4.0	99	-0.02	10.70
69	tert-amyl methyl ether	0.837	0.916	-9.4	106	0.00	10.76
70	heptane	0.242	0.237	2.1	90	-0.02	10.93
71	isopropyl acetate	0.701	0.918	-31.0#	122	-0.01	10.65
72	1,2-dichloroethane	0.338	0.433	-28.1#	126	-0.02	10.74
73	trichloroethene	0.312	0.306	1.9	99	-0.01	11.64
74 m	ethyl acrylate			-----NA-----			
75 m	tert amyl ethyl ether			-----NA-----			
	----- True	Calc.	% Drift	-----			
76	2-nitropropane	20.000	20.063	-0.3	94	-0.03	12.71
	----- AvgRF	CCRF	% Dev	-----			
77	2-chloroethyl vinyl ether	0.111	0.118	-6.3	100	-0.02	12.74
78	methyl methacrylate	0.167	0.202	-21.0#	117	-0.02	12.04
79	1,2-dichloropropane	0.330	0.356	-7.9	106	-0.01	12.01
80	dibromomethane	0.164	0.188	-14.6	112	-0.01	12.22

5.7.9

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Continuing Calibration Summary

Page 3 of 4

Job Number: JA58750

Sample: VX4577-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108300.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

81	methylcyclohexane	0.513	0.505	1.6	88	0.00	11.92
82	bromodichloromethane	0.409	0.457	-11.7	112	-0.01	12.41
83	cis-1,3-dichloropropene	0.543	0.607	-11.8	112	-0.02	13.02
84 S	toluene-d8 (s)	1.090	1.217	-11.7	103	0.00	13.40
85	4-methyl-2-pentanone	0.102	0.137	-34.3#	127	-0.01	13.17
86	toluene	0.807	0.754	6.6	100	-0.01	13.50
87	3-methyl-1-butanol	0.013	0.017	-30.8#	127	-0.01	13.22
88	trans-1,3-dichloropropene	0.471	0.537	-14.0	116	-0.01	13.79
89	ethyl methacrylate	0.354	0.402	-13.6	114	0.00	13.80
90	1,1,2-trichloroethane	0.217	0.240	-10.6	110	-0.02	14.08
91	2-hexanone	0.096	0.122	-27.1#	121	0.00	14.33
92 I	chlorobenzene-d5	1.000	1.000	0.0	97	-0.02	15.42
93	3,3-Dimethyl-1-butanol	0.029	0.033	-13.8	126	0.00	14.57
94	tetrachloroethene	0.293	0.264	9.9	98	0.00	14.28
95	1,3-dichloropropane	0.457	0.484	-5.9	116	-0.02	14.32
96	butyl acetate	0.204	0.238	-16.7	123	-0.02	14.43
97	dibromochloromethane	0.331	0.339	-2.4	113	-0.01	14.66
98	1,2-dibromoethane	0.275	0.288	-4.7	115	-0.01	14.85
99 m	n-butyl ether			-----NA-----			
100	chlorobenzene	0.884	0.842	4.8	106	0.00	15.46
101	1,1,1,2-tetrachloroethane	0.311	0.321	-3.2	111	-0.01	15.55
102	ethylbenzene	1.563	1.482	5.2	105	0.00	15.55
103	m,p-xylene	0.605	0.557	7.9	104	0.00	15.69
104	o-xylene	0.632	0.594	6.0	106	0.00	16.23
105	styrene	1.013	0.952	6.0	104	0.00	16.25
106	bromoform	0.217	0.234	-7.8	117	-0.01	16.59
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	18.20
108	isopropylbenzene	3.443	3.314	3.7	107	-0.01	16.67
109 S	4-bromofluorobenzene (s)	0.982	1.110	-13.0	116	0.00	16.92
110	bromobenzene	0.827	0.813	1.7	113	0.00	17.14
111	1,1,2,2-tetrachloroethane	0.764	0.861	-12.7	128	0.00	17.07
112	trans-1,4-dichloro-2-bute	0.215	0.286	-33.0#	139	0.00	17.12
113	1,2,3-trichloropropane	0.164	0.203	-23.8#	132	0.00	17.14
114	n-propylbenzene	4.008	3.815	4.8	107	0.00	17.16
115 m	4-ethyltoluene			-----NA-----			
116	2-chlorotoluene	0.811	0.784	3.3	109	0.11	17.43
117	4-chlorotoluene	2.546	2.562	-0.6	116	0.00	17.43
118	1,3,5-trimethylbenzene	2.773	2.713	2.2	111	0.00	17.34
119	tert-butylbenzene	2.452	2.397	2.2	110	-0.01	17.72
120	pentachloroethane	0.457	0.506	-10.7	122	0.00	17.81
121	1,2,4-trimethylbenzene	2.886	2.851	1.2	114	0.00	17.77
122 m	1,2,3-trimethylbenzene			-----NA-----			
123	sec-butylbenzene	3.672	3.616	1.5	110	0.00	17.95
124	1,3-dichlorobenzene	1.581	1.546	2.2	113	0.00	18.14
125	p-isopropyltoluene	3.012	2.963	1.6	111	0.00	18.08
126	1,4-dichlorobenzene	1.501	1.445	3.7	113	-0.01	18.22
127	1,2-dichlorobenzene	1.444	1.456	-0.8	115	0.00	18.62
128	benzyl chloride	1.500	1.754	-16.9	126	0.00	18.35
129 m	1,4-diethylbenzene			-----NA-----			
130	n-butylbenzene	1.613	1.673	-3.7	115	0.00	18.49
131 m	1,2,4,5-tetramethylbenzen			-----NA-----			
132	1,2-dibromo-3-chloropropa	0.138	0.169	-22.5#	144	0.00	19.37
133	1,3,5-trichlorobenzene	1.183	1.197	-1.2	114	0.00	19.53
134	hexachlorobutadiene	0.573	0.588	-2.6	117	0.00	20.25
135	naphthalene	1.674	1.879	-12.2	123	-0.01	20.42
136	1,2,4-trichlorobenzene	0.926	0.976	-5.4	116	0.00	20.15
137 m	1,2,3-trichlorobenzene	0.759	0.832	-9.6	119	0.00	20.66
138	hexachloroethane	0.522	0.527	-1.0	117	-0.01	18.85

5.7.9
5

Continuing Calibration Summary

Job Number: JA58750

Account: ENSRMAA AECOM, INC.

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: VX4577-CC4516

Lab FileID: X108300.D

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(#) = Out of Range
X106949.D MX4516.M

SPCC's out = 0 CCC's out = 0
Fri Oct 29 11:35:34 2010 VOA-05

5.7.9

5

Continuing Calibration Summary

Page 1 of 4

Job Number: JA58750

Sample: VX4578-CC4516

Account: ENSRMAA AECOM, INC.

Lab FileID: X108323.D

Project: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\X-...vx4577-4578\X108323.D Vial: 25
 Acq On : 26 Oct 2010 12:39 am Operator: JUNTAEP
 Sample : cc4516-50 Inst : MSX
 Misc : MS3790,vx4578,5.0,,,,,1 Multiplr: 1.00
 MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\MX4516.M (RTE Integrator)
 Title : SW-846 Method 8260B, ZB624 60m x 0.25mm x 1.4um
 Last Update : Mon Oct 25 16:35:25 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	7.37
2	tertiary butyl alcohol	1.197	1.266	-5.8	113	0.00	7.50
3	ethyl alcohol			-----NA-----			
4	acrolein	1.957	1.962	-0.3	102	-0.01	6.41
	----- True		Calc.	% Drift			
5	1,4-dioxane	1250.000	1071.613	14.3	101	0.00	12.18
	----- AvgRF		CCRF	% Dev			
6 I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	10.05
7 m	freon 23			-----NA-----			
8 m	freon 115			-----NA-----			
9 m	freon 143a			-----NA-----			
10 m	freon 152a			-----NA-----			
11 m	chlorotrifluoroethene			-----NA-----			
12	chlorodifluoromethane	0.467	0.383	18.0	75	0.00	3.80
13	dichlorodifluoromethane	0.689	0.748	-8.6	100	-0.02	3.77
14 m	freon 114			-----NA-----			
15 m	freon 142b			-----NA-----			
16	chloromethane	0.953	0.810	15.0	84	0.00	4.11
17	vinyl chloride	0.737	0.603	18.2	77	-0.01	4.37
18 m	acetaldehyde			-----NA-----			
19	bromomethane	0.453	0.335	26.0#	77	0.00	5.04
20	chloroethane	0.392	0.373	4.8	93	0.00	5.21
21	vinyl bromide	0.457	0.401	12.3	92	0.02	5.58
22	trichlorofluoromethane	0.765	0.767	-0.3	97	0.00	5.66
23	ethyl ether	0.234	0.256	-9.4	105	-0.01	6.12
24 m	freon 141b			-----NA-----			
25 m	freon 123a			-----NA-----			
26 m	freon 123			-----NA-----			
27	1,1-dichloroethene	0.441	0.397	10.0	93	0.00	6.58
	----- True		Calc.	% Drift			
28	acetone	50.000	46.325	7.3	101	0.00	6.65
	----- AvgRF		CCRF	% Dev			
29	allyl chloride	0.275	0.272	1.1	96	0.00	7.17
30	acetonitrile	0.038	0.041	-7.9	116	0.00	7.15
31	iodomethane	0.812	0.799	1.6	94	0.00	6.88
	----- True		Calc.	% Drift			

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Continuing Calibration Summary

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Job Number: JA58750

Sample: VX4578-CC4516

Account: ENSRMAA AECOM, INC.

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Project: Bell Bend Nuclear Power Plant, Salem Township, PA

32	iso-butyl alcohol	500.000	544.527	-8.9	135	-0.01	10.38
	----- AvgRF	CCRF	% Dev	-----			
33	carbon disulfide	1.742	1.627	6.6	92	0.00	7.01
34	methylene chloride	0.514	0.497	3.3	102	0.00	7.39
35	methyl acetate	0.060	0.055	8.3	92	0.00	7.16
36	methyl tert butyl ether	1.292	1.290	0.2	103	-0.01	7.75
37	trans-1,2-dichloroethene	0.491	0.415	15.5	90	0.00	7.81
38	di-isopropyl ether	1.694	1.889	-11.5	113	0.00	8.45
	----- True	Calc.	% Drift	-----			
39	2-butanone	50.000	50.899	-1.8	105	0.00	9.36
	----- AvgRF	CCRF	% Dev	-----			
40	1,1-dichloroethane	0.886	0.909	-2.6	103	0.00	8.48
41	chloroprene	0.622	0.712	-14.5	110	0.00	8.60
42	acrylonitrile	0.131	0.137	-4.6	108	0.00	7.78
43	vinyl acetate	0.046	0.065	-41.3#	137	0.00	8.47
44	ethyl tert-butyl ether	1.498	1.695	-13.2	111	0.00	9.02
45	ethyl acetate	0.042	0.047	-11.9	115	-0.01	9.38
46	2,2-dichloropropane	0.755	0.695	7.9	91	0.00	9.38
47	cis-1,2-dichloroethene	0.525	0.484	7.8	97	-0.01	9.38
48	propionitrile	0.052	0.056	-7.7	113	-0.01	9.49
49	tert-Butyl Formate	0.372	0.448	-20.4#	115	0.00	9.90
50	bromochloromethane	0.220	0.225	-2.3	98	0.00	9.78
51	tetrahydrofuran	0.147	0.163	-10.9	118	-0.02	9.81
52	chloroform	0.810	0.844	-4.2	105	-0.01	9.86
53 S	dibromofluoromethane (s)	0.427	0.432	-1.2	117	-0.01	10.11
54 S	1,2-dichloroethane-d4 (s)	0.471	0.533	-13.2	132	0.00	10.64
55	freon 113	0.345	0.288	16.5	84	0.00	6.55
56	methacrylonitrile	0.272	0.292	-7.4	116	0.00	9.72
57	1,1,1-trichloroethane	0.683	0.708	-3.7	100	0.00	10.15
58	cyclohexane	0.669	0.615	8.1	88	0.00	10.23
59 m	tert amyl alcohol			-----NA-----			
60 m	iso-octane	1.814	1.853	-2.1	102	0.00	10.71
61 I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00	11.22
62	di-isobutylene			-----NA-----			
63	epichlorohydrin	0.022	0.030	-36.4#	131	0.00	12.75
64	n-butyl alcohol	0.008	0.009	-12.5	115	0.00	11.42
65	carbon tetrachloride	0.390	0.413	-5.9	100	0.00	10.40
66	1,1-dichloropropene	0.423	0.423	0.0	97	0.00	10.38
67	hexane	0.055	0.046	16.4	79	0.00	8.15
68	benzene	1.225	1.163	5.1	98	0.00	10.71
69	tert-amyl methyl ether	0.837	0.834	0.4	103	0.00	10.77
70	heptane	0.242	0.245	-1.2	95	0.00	10.94
71	isopropyl acetate	0.701	0.819	-16.8	115	0.00	10.66
72	1,2-dichloroethane	0.338	0.408	-20.7#	121	0.00	10.76
73	trichloroethene	0.312	0.310	0.6	94	0.00	11.65
74 m	ethyl acrylate			-----NA-----			
75 m	tert amyl ethyl ether			-----NA-----			
	----- True	Calc.	% Drift	-----			
76	2-nitropropane	50.000	76.309	-52.6#	158	0.00	12.74
	----- AvgRF	CCRF	% Dev	-----			
77	2-chloroethyl vinyl ether	0.111	0.150	-35.1#	131	0.00	12.75
78	methyl methacrylate	0.167	0.180	-7.8	107	-0.01	12.04
79	1,2-dichloropropane	0.330	0.359	-8.8	103	0.00	12.02
80	dibromomethane	0.164	0.187	-14.0	108	0.00	12.22

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Continuing Calibration Summary

Job Number: JA58750

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81	methylcyclohexane	0.513	0.472	8.0	84	0.00	11.93
82	bromodichloromethane	0.409	0.474	-15.9	111	0.00	12.41
83	cis-1,3-dichloropropene	0.543	0.593	-9.2	105	0.00	13.03
84 S	toluene-d8 (s)	1.090	1.228	-12.7	123	0.00	13.40
85	4-methyl-2-pentanone	0.102	0.122	-19.6	112	0.00	13.18
86	toluene	0.807	0.764	5.3	97	0.00	13.50
87	3-methyl-1-butanol	0.013	0.014	-7.7	117	0.00	13.23
88	trans-1,3-dichloropropene	0.471	0.522	-10.8	110	0.00	13.80
89	ethyl methacrylate	0.354	0.375	-5.9	108	0.00	13.80
90	1,1,2-trichloroethane	0.217	0.240	-10.6	107	0.00	14.09
91	2-hexanone	0.096	0.106	-10.4	113	0.00	14.33
92 I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	15.43
93	3,3-Dimethyl-1-butanol	0.029	0.029	0.0	113	0.00	14.58
94	tetrachloroethene	0.293	0.271	7.5	94	0.00	14.29
95	1,3-dichloropropane	0.457	0.457	0.0	110	0.00	14.33
96	butyl acetate	0.204	0.216	-5.9	118	0.00	14.44
97	dibromochloromethane	0.331	0.336	-1.5	106	0.00	14.67
98	1,2-dibromoethane	0.275	0.280	-1.8	106	0.00	14.86
99 m	n-butyl ether			-----NA-----			
100	chlorobenzene	0.884	0.854	3.4	99	0.00	15.47
101	1,1,1,2-tetrachloroethane	0.311	0.308	1.0	104	0.00	15.56
102	ethylbenzene	1.563	1.437	8.1	99	0.00	15.55
103	m,p-xylene	0.605	0.531	12.2	96	0.00	15.70
104	o-xylene	0.632	0.594	6.0	99	0.00	16.24
105	styrene	1.013	0.924	8.8	100	0.00	16.26
106	bromoform	0.217	0.228	-5.1	107	0.00	16.59
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	18.20
108	isopropylbenzene	3.443	3.286	4.6	98	0.00	16.68
109 S	4-bromofluorobenzene (s)	0.982	1.171	-19.2	138	0.00	16.92
110	bromobenzene	0.827	0.802	3.0	101	0.00	17.14
111	1,1,2,2-tetrachloroethane	0.764	0.822	-7.6	112	0.00	17.07
112	trans-1,4-dichloro-2-bute	0.215	0.253	-17.7	118	0.00	17.12
113	1,2,3-trichloropropane	0.164	0.178	-8.5	115	0.00	17.15
114	n-propylbenzene	4.008	3.749	6.5	101	0.00	17.17
115 m	4-ethyltoluene			-----NA-----			
116	2-chlorotoluene	0.811	0.786	3.1	99	0.00	17.33
117	4-chlorotoluene	2.546	2.588	-1.6	109	0.00	17.44
118	1,3,5-trimethylbenzene	2.773	2.628	5.2	101	0.00	17.35
119	tert-butylbenzene	2.452	2.389	2.6	100	0.00	17.72
120	pentachloroethane	0.457	0.472	-3.3	102	0.00	17.82
121	1,2,4-trimethylbenzene	2.886	2.769	4.1	104	0.00	17.77
122 m	1,2,3-trimethylbenzene			-----NA-----			
123	sec-butylbenzene	3.672	3.561	3.0	99	0.00	17.95
124	1,3-dichlorobenzene	1.581	1.496	5.4	101	0.00	18.15
125	p-isopropyltoluene	3.012	2.897	3.8	98	0.00	18.08
126	1,4-dichlorobenzene	1.501	1.433	4.5	101	0.00	18.23
127	1,2-dichlorobenzene	1.444	1.420	1.7	102	0.00	18.62
128	benzyl chloride	1.500	1.274	15.1	88	0.00	18.35
129 m	1,4-diethylbenzene			-----NA-----			
130	n-butylbenzene	1.613	1.651	-2.4	101	0.00	18.50
131 m	1,2,4,5-tetramethylbenzen			-----NA-----			
132	1,2-dibromo-3-chloropropa	0.138	0.163	-18.1	128	0.00	19.37
133	1,3,5-trichlorobenzene	1.183	1.166	1.4	96	0.00	19.54
134	hexachlorobutadiene	0.573	0.585	-2.1	102	0.00	20.25
135	naphthalene	1.674	1.832	-9.4	105	0.00	20.43
136	1,2,4-trichlorobenzene	0.926	0.981	-5.9	99	0.00	20.15
137 m	1,2,3-trichlorobenzene	0.759	0.858	-13.0	105	0.00	20.67
138	hexachloroethane	0.522	0.539	-3.3	100	0.00	18.86

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Project: Bell Bend Nuclear Power Plant, Salem Township, PA

(#) = Out of Range
X106950.D MX4516.M

SPCC's out = 0 CCC's out = 0
Wed Oct 27 08:37:16 2010 VOA-05

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